

HP Asset Manager

Software version: 5.21

Release Notes

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Foreword

This document gives you a preview of the changes that have been made to Asset Manager in version 5.21. It contains important information, some of which may not be included in the product's main guides or in the product's online help.

1 In this version

This chapter summarizes the main changes that have been made to Asset Manager since version 5.10.

For more information concerning these new functions, refer to the guides provided with Asset Manager, as referenced.

Changes introduced in version 5.21

Web client: enhancements

Contextual help on fields and links is supported on the Web client.

To access contextual help for fields and links, move the focus on the supported fields/links and press **SHIFT + F1**. The contents of contextual help window correspond to that on the Windows client.

 **Note:**

Contextual help is not available for itemized lists. Do not attempt to press **SHIFT+F1** on this type of fields.

Contextual help is available for the following types of controls:

- LinkEdit
- OneToOneLinkEdit

- MonetaryEdit
- CheckBox
- TimeSpanEdit
- CaptionedLabel
- ComboAlarm
- FileEdit
- TextBox
- Edit
- MultiLineEdit
- NumberEdit
- NumBox
- PasswordEdit
- ReversePasswordEdit
- DbPathCombo
- TableChoiceList
- ComboDate
- ComboList

► See the **Advanced use** and **Tailoring** guides for the description of these controls.

Contextual help on fields and links can be closed through any of the following ways:

- Pressing **SHIFT+F1** again on the focused field/link
- Pressing **ESC**
- Clicking **X** at the upper left corner of the help window
- Moving the focus off the field/link

Asset Manager Web: support for new third party product versions

- Support of Oracle WebLogic Server 10.3 /11g has been added
- Support of Microsoft Internet Explorer 8.0 has been added
- Support of Apache Tomcat 6.0 HTTP server has been added



Note:

If you are using Tomcat 6.0.x, the following file has to be deleted from `AssetManager.war` before the war file is deployed; otherwise Asset Manager Web may not load successfully:

`AssetManager.war\webapps\AssetManager\WEB-INF\lib\el_api.jar`


Support of Microsoft Windows 7 32-bit/64-bit: New

Microsoft Windows 7 is now supported on the Asset Manager Windows and Web clients.

Asset Manager Web Tier and Asset Manager Web Service can both be deployed on servers that run under the 32-bit/64-bit versions of Microsoft Windows 7.

Note:

When installing Asset Manager Windows client on 64-bit of Windows 7:

- Do not create an ODBC datasource through the **Control Panel/ System and Security/ Administrative Tools/ Data Sources (ODBC)**. This instance of ODBC is 64-bit and does not work with Asset Manager. Use Asset Manager to create the ODBC datasource (the  button on the **Manage connections** window).
- When creating a connection to a Microsoft SQL database on the Asset Manager Windows client, make sure the **System connection** box in the **Manage connections** window (**File/ Manage connections**) is not selected.

Integration with HP Discovery and Dependency Mapping Inventory (as part of the Service Asset and Configuration Management integration): enhancements

- The HP Connect-It scenarios have been modified.

Old scenarios	New scenarios
■ ddmiam.scn	■ ddmiam_hw.scn
■ ddmiam-reconc.scn	■ ddmiam_sw.scn
■ ddmiam-hpovcmse.scn	■ ddmiam-caevents_sw.scn
■ ddmiam-swnorm.scn	■ ddmiam-swnorm_sw.scn
■ ddmiam-mobile-devices.scn	

Description of changes and new scenarios:

- Hardware and software data are now replicated in separate scenarios to improve the performance of data replication.

In the new scenario setting, the hardware scenarios create or update CIs, and the software scenarios create software for these CIs.

- `ddmiam_hw.scn` is used to replicate hardware data for all kinds of devices, merging hardware data from all the old scenarios.
- `ddmiam_sw.scn` is used to replicate software data which were previously replicated by `ddmiam.scn`.

- `ddmiam-caevents_sw.scn` is used to replicate software data which were previously replicated by `ddmiam-hpovcmse.scn`, whose hardware data are now replicated using `ddmiam_hw.scn`.
This scenario does the same as the `ddmiam_sw.scn` scenario and in addition replicates some information from HP Client Automation to Asset Manager.
- `ddmiam-swnorm_sw.scn` is used to replicate software data which were previously replicated by `ddmiam-swnorm.scn`, whose hardware data are now replicated using `ddmiam_hw.scn`.
This scenario does the same as the `ddmiam_sw.scn` but uses the **amInventModel** records to assign a model to the software installations.
- The scenario `ddmiam-reconc.scn` is obsolete. All the data within this scenario are merged into `ddmiam_hw.scn`.
- The scenario `ddmiam-mobiledevices.scn` is obsolete. Mobile devices data are merged into other scenarios.
- Replication of software installations from HP Discovery and Dependency Mapping Inventory to Asset Manager only creates a record in the **software installations** table (`amSoftInstall`), and does not create a linked portfolio item with the same model (the **Do not link the installation with a portfolio item** (`bCompact`) box is checked by default).

Integration with HP Client Automation: enhancements

- This integration now supports HP Client Automation version 7.5 and 7.8.

Note:

The integration with HP Client Automation 7.5 requires HP Connect-It version 4.10 or above.

If you are using HP Connect-It 4.10, you need to download a patch for [HP Connect-It 4.10](#)

[http://h20229.www2.hp.com/uploads/ovrd/ovr_l_ovconnit_0001.html] for the integration to work. You will need an HP Passport user name and password to access the site.

- The enhanced HP Connect-It scenario **ws_groups_devices.scn** can import identification information for **policies** for devices, user accounts, groups of devices, and domains.

Integration with HP Project and Portfolio Management: enhancements

- This integration now supports the latest version of HP Project and Portfolio Management, version 8.0.
- The HP Connect-It scenarios are modified to take into account the changes in HP Project and Portfolio Management 8.0.

Support for Microsoft SQL Server Native Client 2008 ODBC driver: New

Support for Microsoft SQL Server Native Client 2008 ODBC driver has been added.

DBMS: support for IBM DB2 9.5 and 9.7

Support for IBM DB2 9.5 and 9.7 has been added for the Asset Manager DBMS.

Service Asset and Configuration Management integration: documentation update

The Service Asset and Configuration Management guide has been updated to include field mapping information for the following integrations:

- HP Discovery and Dependency Mapping Inventory to Asset Manager
- Asset Manager to HP Universal CMDB



Note:

For users of non-English Asset Manager, download the most up-to-date Service Asset and Configuration Management guide (in English only) from the following Web site:

<http://support.openview.hp.com/selfsolve/manuals>

Changes introduced in version 5.20

Web client: enhancements

- A contextual menu has been added to the main and tab lists. It contains the following entries, which provide an alternative means of accessing features also available in drop-down combo-boxes:
 - **Actions:** enables you to select and execute an action whose context is the table associated to the list.
 - **Statistics:** enables you to select and display one of the statistics that apply to the table associated to the list.

You get one statistic per:

- Table index, except if the index is on the primary key
- Statistic whose context is on the table
- **Filters**: enables you to select one of the filters available for the table associated to the list.

The menu entry displays:

- A table index filter, if the index is not on the primary key and only if one of the fields or links is part of the screen.

If an administrator adds an index that follows these rules to a table using Asset Manager Application Designer, then this new index will appear in the list of filters.

- A query filter whose context is the table for which the list displays the records.

If a user adds a query, it will appear in the list of filters.

- A filter if pre-filtering was defined for the screen (**QBE Fields** of the screen's detail in Asset Manager Application Designer).

- **Utilities/ Configure List ...** : This enables you define which columns to display in the list, and which will be exported to Excel.


The columns that can be displayed in a list correspond to the fields and links that are defined for the screen via Asset Manager Application Designer (**Columns** in the list field).

- **Utilities/ Export Excel**: this feature now supports the columns as configured with the **Configure List...** feature.

- A contextual menu has been added to the wizard lists. It contains the **Filters** entry (see above: contextual menu added to the main and tab lists).

- A contextual menu has been added to the detail screens. It contains an **Actions** entry that enables you to select and trigger a contextual action on the record.

- On wizard pages, the button triggered by default when you hit the keyboard carriage return has been set to **Next**.

- Users can customize the behavior of the Web client by clicking the  icon.

The behaviour customization is stored at the login level; if the same login is used to connect to the Asset Manager database on another computer, the stored customization will be loaded.

The following behaviours can be customized:

- Displaying or not the **Statistics...** drop-down list above main, tab and wizard lists.
- Number of rows per page in lists

- Display format of the list that displays database tables or fields (combinations of Description, Label and SQL name)
- Colors used in statistics
 - A color picker can be used to define the colors
- Autocompletion delay - This is the delay before the Web client updates the list of linked records that match the value you type; also used by fields that identify a field in the database such as the **amWfEvent:MonitFields** field (DbPathCombo control).
- It is now possible to create a linked record when you populate the detail of a record, either on the fly or in details.
- It is now possible to fully edit queries (**Administration/ Queries** link in the navigation bar).
 - The query editor displays the database structure, functions and operators.
- It is now possible to fully edit Basic scripts using a dedicated script editor.
- In the detail of a nature, it is now possible to select the overflow table (**Also create** field (OverflowTbl).
- It is possible to increase the size of multiline text edit boxes (+ button).
- ▶ For details see the **User Interface** and **Advanced use** guides.

Asset Manager Web: support of new third party product versions

- Support of the **Apache 2.2** HTTP server has been added
- Support of the **IIS 7** HTTP server has been added
 - ▶ For more details see the **Administration** guide, chapter **Controlling access to the database**, section **Managing user authentication for the Asset Manager database/ Asset Manager Web clients: Configuring Single Sign-On (SSO) with Active Directory on IIS 7**.
- **Lightweight Single Sign-On (LWSSO)**: when the Lightweight Single Sign-On (LW-SSO) framework is enabled, a user only needs to login once (to a single HP Software BTO application) during a session. The user's login information will be propagated to other HP Software BTO applications deployed on same domain.
 - LW-SSO solves both the Web and Web Services SSO problems for HP Software BTO products, using lightweight technology, and without having to install any additional infrastructure.
 - LW-SSO does this via shared cookies.
 - ▶ For more details see the **Administration** guide, chapter **Controlling access to the database**, section **Managing user authentication for the Asset Manager database/ Sharing user authentication using Lightweight Single Sign-On (LW-SSO)**.

- Support of **WebSphere 7.00** has been added on Windows and AIX platforms
- Support of **Java 6** has been added with Tomcat 5.5

DBMS: support of Oracle 11.1

The support of Oracle 11.1 has been added for the Asset Manager DBMS.

Asset Manager Web: support of Microsoft Windows Server 2008 64-bit

Asset Manager Web Tier and Asset Manager Web Service can now be deployed on servers that run under the 64-bit version of Microsoft Windows Server 2008.

- ▶ For details see the **Installation and upgrade** guide, chapter **Installing, configuring, removing and updating Asset Manager Web**.

HP Data Center Infrastructure Management integration: enhancements

- HP Connect-It scenarios are now provided with HP Connect-It and no longer in a .zip file with Asset Manager.

For details see the **Integration with HP Data Center Infrastructure Management** guide, chapter **Implementing Required Components**, section **Installing the integration package/ Installing the HP Connect-It scenarios and connectors**.

- It is no longer necessary to customize the Asset Manager database structure before implementing the integration.

The following manual tasks are no longer required:

- Add the **amCatProduct:bCanBeInstByDCIM** field
- Add the **amRequest:DCIMFormID** field
- Add the **amReqLine:bInstByDCIM** field
- Add the **amRequest:Req_DCIMFormID** index
- Add the **sysCoreWebDCIMAssetLocation** calculated field
- Replace the **amCatProduct:pgCatProductAcquisition** page with **amCatProduct:pgCustCatProductAcquisition**
- Replace the **amRequest:pgReqGen** page with **amRequest:pgCustReqGen**
- Replace the **amRequest:PgAcwReqGen** page with **amRequest:PgCustAcwReqGen**
- Replace the **amPortfolio:pgPItemGen** page with **amPortfolio:PgCustPItemGen**

- Replace the **amReqline:pgReqLineGen** page with **amReqline:pgCustReqLineGen**

These fields and indexes have been added to the default Asset Manager database structure.

This calculated field has been added to the default Asset Manager database database content.

The default Asset Manager database pages are correct by default.

- ▶ For more details see the **Integration with HP Data Center Infrastructure Management** guide.

Management of virtual environments: enhancements

- The label of the **amComputer:VmType** field has been renamed to **Virtualization technology**.
- A new **Role** (amComputer:seRole) field has been added.
- A new **Role** (amComputer:Role) field has been added to store additional information when **amComputer:seRole=Other**.
- New reports have been added:
 - Physical computers eligible to host virtualization platforms
 - Physical computers eligible to convert to VMs
 - Status of virtual machines
 - Count virtual versus physical machines by location

These reports can be found in the **Portfolio management/ IT/ Reports** navigation bar entry.

Asset Manager licensing control: tool change

Licensing of Asset Manager is now controlled with HP AutoPass License Management Tool. The license keys provided to you by HP Software contain authorizations to use the list of Asset Manager modules, functions and related services that you have acquired with your contract.

For new customers, permanent license file can be redeemed on-line at <http://www.webware.hp.com> .

Click the **Learn More** link below the **Generate New license** icon to see the information needed to generate the license file and proceed the license generation process by following the instructions. After you have completed the procedure and specified the owner of the license, you will receive an e-mail notification and a copy of your license file is displayed in Webware. You can

save the license file immediately to your system. Then, you will need to install the license with HP AutoPass License Management Tool.



hp HP License Key Delivery Service
License keys delivered through the web

Welcome

Welcome to Hewlett-Packard's software licensing center, HP's license key delivery service.

Click [here](#) to see if this site is applicable for your product.
Click [here](#) to migrate license(s) using a migration password.

» Generate
New licenses [Learn more](#)

» Manage
Licenses [Learn more](#)

► For details see the **Administration** guide, chapter **Installing License Keys**. For upgrading customers, because of the upgrade to HP standard autopass technology, you must obtain new license keys. To obtain these new keys, please execute the following:

- Go to the on-line support website at <http://support.openview.hp.com>.
- Click on the link **Submit support case** under **Problem reporting**.
- Sign-in with your HP Passport user-id and password. If you do not have HP Passport credentials please register.
- Submit a support case under the **Non-Technical/business** section, and selecting the **Licensing problem category**.
- You will then enter your licensing request info as requested in that process.
- You will receive your upgrade order key and further instructions via email.

Procurement: enhancements

A new wizard has been introduced: **Reassign cost center and/or end user of request lines** (sysProcModifyReqline).

This wizard can be used to change the user and cost center associated to a collection of request lines within a collection of requests.

To start the wizard:

- 1 Display the list of requests (**Procurement/ Purchase requests** in the navigation bar).
- 2 Select the requests to change.

- 3 Start the wizard (**Procurement/ Requests/ Reassign cost center and/or end user of request lines** link in the navigation bar).
 - ▶ For details see the **Procurement** guide, part **General overview**, chapter **Requests**, section **Procedures/ Reassigning cost center and/or end user of request lines**.

Portfolio management: enhancements

- The **Manage Software** (sysSamLauncher) wizard has undergone major enhancements and restructuring.
 - ▶ For details see the **Software assets** guide, part **Overview**, chapter **Licenses, entitlements, installations, utilizations and contracts**, section **Manage Software wizard structure (sysSamLauncher)**.
- New fields have been added to the database structure:
 - **Core CPU count** (amComputer:ICPUCoreNumber): This field stores the total number of execution cores for the physical machine. This is the product of: physical CPUs * cores per CPU.
 - **Physical CPU count** (amComputer:fCPUNumber): This field stores the total number of physical processors for the physical machine.

Where possible these fields will be populated by an automated inventory scanning tool such as HP Discovery and Dependency Mapping Inventory. They are also used by software counters such as the SQL Server V2005 and V2008 counters, where CPU configuration is taken into account in licensing.

- The **Link/unlink an installation to/from a portfolio item...** (sysCompactInstall) wizard has been enhanced.

You access this wizard using the **Portfolio management/ IT/ Link/unlink an installation to/from a portfolio item...** link from the navigation bar. The layout of the wizard was changed.

New options have been added:

- Also unlink all software installations with the same model from their portfolio item (the portfolio item will be deleted)
- Create a portfolio item for each software installation with same model and link it to the software installation
 - ▶ For details see **Software assets** guide, part **Using the Software assets module**, chapter **Using the Software assets module**, section **Software installations and utilizations management/ Link/unlink an installation to/from a portfolio item**.
- The UNSPSC classification codes provided with Asset Manager have been updated to version 11.1201 of the UNSPC catalog.

You can import the updated UNSPSC classification codes using the following process:

- 1 Execute Asset Manager Application Designer.
- 2 Select the **File/ Open** menu item.
- 3 Select the **Open database description file - create new database** option.
- 4 Select the `gbbase.xml` file which is located in the `config` sub-folder of the Asset Manager installation folder.
- 5 Start the database creation wizard (**Action/ Create database** menu).
- 6 Populate the pages of the wizard as follows (navigate through the wizard pages using the **Next** and **Previous** buttons):

Generate SQL script / Create database page:

Fields	Value
Database	Select the connection to the database into which you wish to import the line-of-business data.
Creation	Import line-of-business data.
Use advanced creation options	Do not select this option.

Creation parameters page:

Fields	Value
Password	Enter the administrator's password.
	<p>Note:</p> <p>The Asset Manager database administrator is the record in the Employees and departments (<code>amEmplDept</code>) table for which the Name (Name) field is set to Admin.</p> <p>The database connection login is stored in the User name (UserLogin) field. The administration name is Admin.</p> <p>The password is stored in the Password field (LoginPassword).</p>

Data to import page:

Fields	Value
Available data	Catalog - UNSPSC product classification
Stop import if error	Select this option for the import to stop if a problem is encountered.

Fields	Value
Log file	Full name of the file to which all import operations, including errors and warnings, are logged.

7 Execute the options defined using the wizard (**Finish** button).

This populates the **Classification codes** (amProdClassCode) table.

The **EGCI Identifier** (amProdClassCode:Identifier) and **Version of the standard** (amProdClassCode:Version) fields are no longer populated during the import.

- The amComputer table has been renamed to **IT equipment**.

Platform: support of Citrix XenApp 5

Citrix XenApp is an application virtualization / application delivery product that allows users to connect to corporate applications hosted on a remote server.

XenApp can either host applications on central servers and allow users to interact with them remotely, or stream and deliver them to user devices for local execution.

Citrix XenApp can be used in either of the following configurations:

- **Remote Desktop mode:**
 - Asset Manager is installed on a Citrix XenApp server.
 - An administrator grants users the right to access the Citrix XenApp server.
 - Users access Asset Manager Windows client via a Citrix XenApp remote desktop session using Remote Desktop Protocol (RDP).
- **Shared application mode:**
 - Asset Manager is installed on a Citrix XenApp server.
 - An administrator grants users the right to access Asset Manager on the Citrix XenApp server.
 - Users access the Asset Manager Windows client via a Citrix XenApp client or via a URL.

Known Citrix XenApp related limitations:

- Asset Manager modal windows cannot be moved or resized.
- When a user creates an Asset Manager connection to the database (via a remote desktop session or a Citrix XenApp client), the connection information is stored in a virtualisation folder on the Citrix XenApp server, rather than in the correct amdb.ini file.

Workaround: administrators should create Asset Manager connections directly on the Citrix XenApp server using the Asset Manager Windows client.

- Users cannot create ODBC connections to the Asset Manager database using the Asset Manager Windows client.

Workaround: administrators should create ODBC connections to the Asset Manager database directly on the Citrix XenApp server.

- ▶ For details see the **Administration** guide, chapter **Accessing the database using Citrix XenApp**.

DBMS: LONG / LONGRAW datatypes are replaced by CLOB/BLOB in Oracle databases

Starting with version 5.20, an Asset Manager database based on Oracle employs CLOB/BLOB data types for fields that previously used LONG and LONGRAW respectively.

For details see the **Installation and upgrade** guide, **Upgrading a previous version** chapter, **Detail of certain upgrade operations / Upgrading the copy of the old-format production database/ Prerequisite if the old-format production database is inferior to version 5.20 of Asset Manager and uses Oracle** section.

Self-service catalog integration with HP Service Manager: enhancements

- The Asset Manager **Priority** (amRequest:Priority) field is now populated with the text value that appears in HP Service Manager instead of just a number.
- The value of the Asset Manager **Req. status** (amRequest:seStatus) field is now pushed to the status of the HP Service Manager shopping cart:

Value of Priority (amRequest:Priority) in Asset Manager	Value updated in HP Service Manager at the shopping cart level
In preparation	Awaiting approval
Awaiting approval	Awaiting approval
Validated	Approved
Satisfied	Fullfilled
Refused	Refused
Rejected	Rejected
Closed	Closed
Cancelled	Cancelled
Reserved	Reserved

The status of the shopping cart items is no longer updated according to the Asset Manager request.

- Images associated to Asset Manager models and products are now transferred to HP Service Manager.
- The integration is now based on the Asset Manager Web Service tagged 5.20.

Integration with HP Project and Portfolio Management: enhancements

Automatic labor costs are now retrieved from HP Project and Portfolio Management by the HP Connect-It scenarios.

- ▶ For details, see the **Portfolio** guide, **Projects** chapter, **Synchronizing project data from HP Project and Portfolio Management** section.

Integration with HP Data Center Infrastructure Management: support of HP Data Center Infrastructure Management, version 2.00

This integration now supports the latest version of HP Data Center Infrastructure Management, version 2.00 (Aperture VISTA 600).

- ▶ For details see the **Integration with HP Data Center Infrastructure Management** guide.

Service Asset and Configuration Management integration: support of new component versions

This integration supports new versions of its components:

- HP Service Manager 7.11
- HP Connect-It 4.10
- HP Universal CMDB 8.02
- HP Discovery and Dependency Mapping Inventory 7.60
- ▶ For details see the **Service Asset and Configuration Management** guide.

Integration with HP Discovery and Dependency Mapping Inventory: enhancements

- Support of the latest Software Applications Index (SAI) library: The most recent software installation models and corresponding inventoried models can now be imported in the Asset Manager database.
- Reconciliation keys for IT equipment used by the following HP Connect-It scenarios have been improved:
 - `ddmiac.scn`
 - `ddmiac-reconc.scn`
 - `ddmiac-swnorm.scn`

- ddmiac-mobiledevices.scn
- ddmiac-hpovcmse.scn

The following logic is now applied:

- 1 HP Connect-It searches for an existing asset with a given **Serial #** (amAsset:SerialNo) + **Model** (amAsset:Model):

If no matching records are found, HP Connect-It tries the next key.

If 1 record is found, the HP Discovery and Dependency Mapping Inventory record is reconciled with the Asset Manager record.

If 2 or more records are found, HP Connect-It does not update nor create any record in Asset Manager

- 2 HP Connect-It searches for an existing asset with a given **Asset tag** (amAsset:AssetTag):

If no matching records are found, HP Connect-It tries the next key.

If 1 record is found, the HP Discovery and Dependency Mapping Inventory record is reconciled with the Asset Manager record.

If 2 or more records are found, HP Connect-It does not update nor create any record in Asset Manager

- 3 HP Connect-It searches for an existing IT equipment with a given **Domain/Group** (amComputer:Workgroup) + **Name** (amComputer:Name):

If no matching records are found, HP Connect-It creates a new IT equipment in Asset Manager.

If 1 record is found, the HP Discovery and Dependency Mapping Inventory record is reconciled with the Asset Manager record.

If 2 or more records are found, HP Connect-It does not update nor create any record in Asset Manager

- ▶ For details see the **Service Asset and Configuration Management** guide, chapter **Technical Reference**, section **HP Discovery and Dependency Mapping Inventory -> Asset Manager/ Reconciliation keys used for HP Discovery and Dependency Mapping Inventory scanned computers, computers without agent and network devices (including network printers)**

SAM for BTO: update to the latest SAI

SAM for BTO now uses the latest SAI library: The most recent HP Operations Center software installation, license models and inventoried models can now be imported in the Asset Manager database.

- ▶ For details see the **SAM for BTO** guide.

Software Asset Management: enhancements

- IT equipment can now be linked to a collection of licensing policies (license models) through the **Valid license models** (amComputer:InstallLicType) link.

The **Valid license models** collection can be seen in the detail of IT equipment, in the new **Licensing** page.

This link is used to select a license model from those applicable to a given software installation found on a computer and possibly the virtual machines hosted by the computer.

Software counters can base their calculations on the license models selected with this link.

You should select only one of the license models per software product. Asset Manager does not automatically check this rule.

Example of usage:

Microsoft SQL Server can be covered by 4 different license models although the same program is installed in all 4 instances.

The **Valid license models** link is used to decide what license model applies to the computer when an installation instance of Microsoft SQL Server is found on the computer. You should select only 1 of the multiple Microsoft SQL Server license models.

- Sample software counters and related license models are provided for SQL Server V2005 and SQL Server V2008 installations.

New counters and a wizard have been added to check the compliance of Microsoft SQL Server 2005 and 2008 installations with license agreements.

► For details see the **Software assets** guide, part **Using the Software assets module**, chapter **Monitoring license compliance of installations**, section **Managing SQL Server licenses and installations with software counters**.

Basic scripting engine: change in the size of the INTEGER and LONG data types

In order to support the 64 bit version of the Asset Manager APIs, the size of the **INTEGER** and **LONG** data types in the Basic scripting engine.

The **INTEGER** data type is now 32 bit and **LONG** is now 64 bit.

This change affects both the 32 bit and 64 bit versions of Asset Manager.

All handles returned by Basic functions such as **amQueryCreate** are now 64 bits.

All Basic scripts that store primary or foreign keys of records in variables must use the **LONG** data types which are now 64 bit.

You do not need to make any change to existing primary or foreign key values.
You do not need to update any Basic script variable data type.

Changes introduced in version 5.12

The following feature enhancements are available with version 5.12 (including optional add-ons):

SACM: New

SACM is an optional enhancement, providing more powerful data integration between HP Discovery and Dependency Mapping Inventory, Asset Manager, HP Universal CMDB and HP Service Manager.

Benefits of the SACM integration

- **Asset Tracking:** provides full-lifecycle management for physical and logical CIs.
- **Real time access to actual state of IT assets :** enables comparison to the desired state.
- **IT Governance & Compliance:** enriches physical and discovery data with business data (contracts, warranties, cost centers, pricing, etc) to assist in change management and other processes.
- **Centralization:** gathers cost information from hardware, software and services for centralized roll-up of TCO.
- **Consolidation:** eliminates redundancy, enforces standards, leverages virtualization.
- **Business Services:** relates services to contracts/warranties and enables service-based chargeback.

Having Asset Manager in the picture allows organizations to:

- Manage Assets from their initial stage in the organization through procurement.
- Have an authoritative reference source for all Asset data throughout the Service Lifecycle.
- Track and log Service downtime.
- Track and log TCO (Total Cost of Ownership) of Services:
 - Procurement costs.
 - Operational costs.
 - Loss of productivity costs.

- Maintain records for Services even after they have been decommissioned for both financial and review purposes.

Further information

A detailed guide is provided as part of the Asset Manager documentation set.

- ▶ [Service Asset and Configuration Management](#) [page 170]

SAM for BTO: New

What does SAM for BTO do?

SAM for BTO is an extension to the **Asset Manager Software assets** module. It provides additional features and tools specifically designed to help you to manage licensing of HP BTO software products. Among its benefits:

- to demonstrate compliance and due diligence for licensing audit purposes
- to identify areas of potential licensing overspend where you may be able to make economies

SAM for BTO and the Asset Manager Software Assets module

Asset Manager provides an optional module for Software Asset Management. This provides comprehensive facilities for managing software application assets. For further details including general concepts and background to Software Asset Management, see the Asset Manager guide called **Software assets**.

SAM for BTO is an optional module for clients who wish to better manage their installations of HP BTO software products. These installations typically have a more complex architecture than, say, many 3rd-party client applications. Inventory scanning and license monitoring thus require additional tools. The SAM for BTO module is thus complementary to the Software assets module. Together they provide a suite of tools that can be configured to manage and monitor all levels of software installations and licensing within your enterprise.

Further information

A detailed guide is provided as part of the Asset Manager documentation set.

- ▶ [SAM for BTO](#) [page 163]

Changes introduced in version 5.11

User can define custom colors for charted statistics: New

Users can now specify a set of custom colors to be used by a scripted query which returns charted statistics results for a set of subgroups or series. (It only makes sense to define colors in queries which involve multiple subgroups.)

To define a color for a series, use the **color=** parameter with the subgroup definition statement. For example

```
<subgroup Name="Germany" filtertable="amEmplDept" filter="Location.FullName like '/Germany/%' and MrMrs='Mr'" value="9" color="#cc0066"/>
```

















Note:

To ensure compatibility with Asset Manager Windows and Web clients, colors need to be specified with the hex equivalent of their RGB values, for example **#6f006f** for purple.

Standard graphic colors are represented with the following values (however you can specify any other color with the hex equivalent of its RGB value) :



Color specifications for standard graphics

 Blue R:28 G:107 B:227 (Hex:1C6BE3)	 Aqua R:51 G:166 B:182 (Hex:33A6B6)	 Gray R:156 G:156 B:156 (Hex:9C9C9C)
 R:186 G:210 B:246 (Hex:BAD2F6)	 R:168 G:215 B:223 (Hex:A8D7DF)	 R:215 G:215 B:215 (Hex:D7D7D7)
 Dark Blue R:15 G:71 B:128 (Hex:0F4780)	 Magenta R:204 G:0 B:102 (Hex:CC0066)	 Dark Green R:51 G:102 B:51 (Hex:336633)
 R:183 G:197 B:212 (Hex:B7C5D4)	 R:255 G:173 B:198 (Hex:FFADC6)	 R:193 G:209 B:193 (Hex:C1D1C1)
 Purple R:138 G:40 B:145 (Hex:8A2891)	 Brown R:146 G:93 B:73 (Hex:925D49)	
 R:202 G:163 B:205 (Hex:CAA3CD)	 R:212 G:183 B:174 (Hex:D4B7AE)	

Error handling

The following rules are used to resolve anomalies in color definitions:

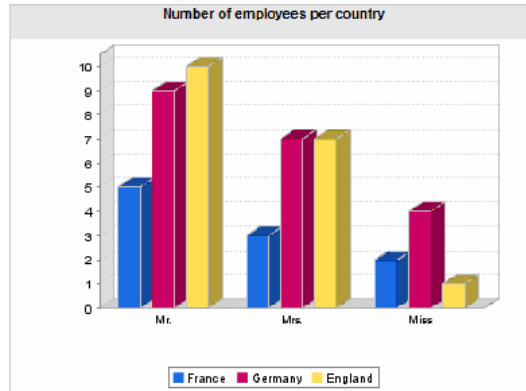
- If the **color=** parameter is undefined for one or more subgroups in a query, default colors will be applied to those subgroups.
- If the **color=** parameter uses an unrecognized value, a default color will be applied.
- Colors can only be defined once per subgroup. (Any attempt to redefine them will be ignored.)

Practical Case

The following query defined below defines the custom colors blue, purple and yellow for three subgroups of the **Mr** group.

```
<group Name="Mr.">
<subgroup Name="France" filtertable="amEmplDept" filter="Location.FullName
like '/France/%' and MrMrs='Mr'" value="5" color="#1c6be3" />
<subgroup Name="Germany" filtertable="amEmplDept" filter="Location.FullName
e like '/Germany/%' and MrMrs='Mr'" value="9" color="#cc0066"/>
<subgroup Name="England" filtertable="amEmplDept" filter="Location.FullName
e like '/England/%' and MrMrs='Mr'" value="10" color="#ffde53"/>
</group>
```

The query results in the following chart:



To learn more about defining scripts to display statistics: ► **Advanced use** guide, chapter **Statistics**, section **Examples of statistics/ Scripted statistics**.

Integration with HP Project and Portfolio Management: New

Introduction

The Asset Manager and HP Project and Portfolio Management software solutions enable customers to both measure and communicate the value the IT organization is providing to the businesses it supports.

Integrating Asset Manager and HP Project and Portfolio Management provides a unified portal for all operational and strategic IT investments, to help managers select optimal investments and wring cost savings out of their operational IT spend. Labor and non-labor costs associated with a project are centralized in Asset Manager.

HP Project and Portfolio Management provides the best-practice templates and processes needed to get started on the road to optimized project and portfolio management. HP Project and Portfolio Management integrates and unifies all of the discrete elements that make up the IT workload - from IT demand management to financial management, time management and resource management, to project management and program management - to enable real-time visibility into all IT activities. In addition, HP Project and Portfolio Management is built on top of a powerful workflow process engine that can automate project management processes. These capabilities enable HP Project and Portfolio Management to provide the Project Management Office with the visibility, controls and flexibility needed to align IT services with business objectives.

Asset Manager's powerful ITIL-aligned financial management capabilities and robust computation engine help organizations manage the full life cycle of assets, from procurement to retirement and capture costs, report them against any kind of asset, chargeback for service usage, and make this information available to C-level executives for business decision-making.

Prerequisites

Installations of the following products are required before the integration:

- Asset Manager 5.1
- HP Project and Portfolio Management 7.5
- HP Connect-It 3.9

Integration procedure

This section explains how to implement the first level integration between Asset Manager and HP Project and Portfolio Management. (Further enhancements are then possible, depending on your project management requirements.)

The dedicated HP Connect-It connector called **Project and Portfolio Management Center** allows Asset Manager to access two of the HP Project and Portfolio Management Web Services, (via two instances of the connector):

- Project Service (to retrieve information about the projects)
- Finance Service (to retrieve actual costs for the projects)

To configure the link to the HP Project and Portfolio Management application server:

- 1 Select the **Administration/ Edit the URL address of the application servers...** navigation bar link
- 2 On the **Add and/or modify properties of the application servers** screen, select the **PPM** application server (or add an entry if it is not already present in the list)
- 3 Click in the corresponding field in the **Server's URL address** column
- 4 Enter the URL to the HP Project and Portfolio Management server, for instance **http://localhost:8082**
- 5 Click **Next**, then **Finish**

To install the new scenario and connector:

- 1 From the HP Connect-It Support server, obtain the new HP Project and Portfolio Management integration scenario called `ppmam.scn` and the new connector. These are supplied in a zip archive.
 - 1 Connect to http://h20229.www2.hp.com/uploads/ovrd/ovr_1_ovconnit_0001.html
An HP Passport is required with the appropriate rights.
 - 2 Fill out the HP Connect-It scenario download form.
 - 3 Click **Next**.
 - 4 In the **Connect-It 3.90** section, select the HP Project and Portfolio Management-Asset Manager integration ZIP file.
- 2 Extract the contents of the zip file to the HP Connect-It installation folder, for instance `C:\Program Files\HP\Connect-IT 3.90 en\`
- 3 Run HP Connect-It
- 4 Open the `ppmam.scn` scenario from the location where you installed it, in the previous step.
- 5 Configure each of the two connector instances (**PPM 7.5 Project Service** and **PPM 7.5 Finance Service**), by right-clicking them then following the wizard. The parameters whose labels highlighted in red are compulsory.
On the **Define connection parameters** screen, populate and/or adapt the server and port details as necessary.

Use HP Connect-It to transfer data from HP Project and Portfolio Management to Asset Manager

Data is transferred only if the scenario is executed (either manually or on a regular, programmed basis.)

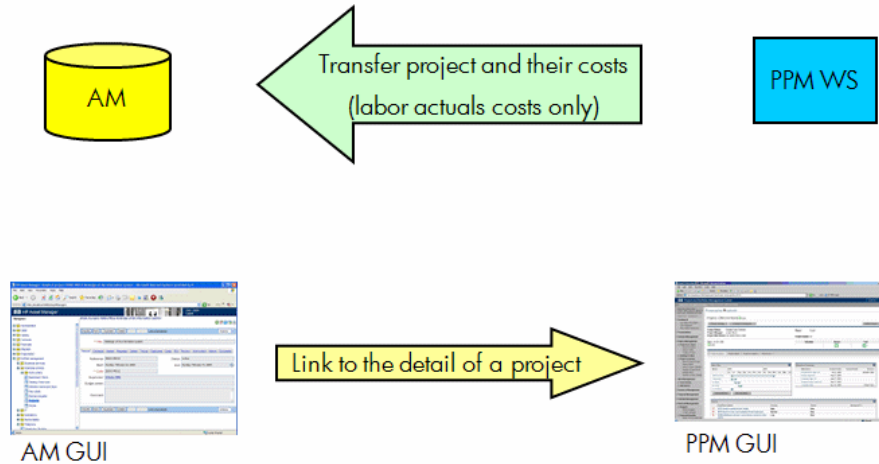
HP Connect-It imports projects from HP Project and Portfolio Management to Asset Manager, including details of their expense lines, cost types, actual labor costs from the budget associated with the project, project status, purpose, and multi-currencies. The new project details are then available in both the Windows and Web client versions of Asset Manager.

What the integration provides

Overview

The following schematic summarizes the benefits provided by the integration.

Integration levels



Listing Projects

All projects from the HP Project and Portfolio Management database are added to the Asset Manager database, with a **Reference** (Ref) prefixed with PPM. Thus to display all and only those projects originating in HP Project and Portfolio Management, you can filter on the **Reference** (Ref) field using the

contextual menu option **Filter on this field**, then selecting the **LIKE** operator and the value **PPM%**.

When you list projects in Asset Manager (using the **Portfolio Management/Extended portfolio/ Projects** link from the navigation bar), the project TCO is available via a calculated field:

The **Project TCO** (CoreProjectTCO) field shows Total Cost of Ownership, on the **Costs** and **ROI** tabs. This figure is the total for expense lines attached to the project and whose status is **Incurred** or **Incurred and Locked**.

 **Note:**

The result calculated in this field includes a conversion, if necessary, from the defined source currency, to the Reference currency 1. Any changes to the result will be reflected following a forced manual refresh.

When you create a budget in HP Project and Portfolio Management it is associated with a **Region**, for example **France** or **US**. A currency is associated with each Region, and hence with costs for projects to which the budget is associated.

The HP Connect-It integration scenario includes a mapping table that tells Asset Manager which currencies are used for the following Regions: France, Germany, Japan, UK, US. Costs imported from HP Project and Portfolio Management for projects linked to these Regions can thus be properly represented or converted.

 **Tip:**

If you wish to redefine an existing currency mapping, or to create a mapping to be used in importing costs for a newly defined Region from HP Project and Portfolio Management to Asset Manager use the following procedure:

- 1 Run HP Connect-It
- 2 Open the ppmam.scn scenario
- 3 Open the Mappable editor using the **Scenario/ Maptables...** menu
- 4 Select the currency map table located under the HP Connect-It installation folder:
\\scenario\ppm\mpt\ppmam.mpt
- 5 To change the currency mapping for an existing Region, edit the corresponding mapping parameter, for example

UK		GBP
----	--	-----

so that the second value is the three-letter ISO currency code (Asset Manager **Name**) of the source currency for the HP Project and Portfolio Management costs. Asset Manager will then assume that all amounts imported from HP Project and Portfolio Management for a project associated to that Region are in that currency. For instance, if you edit the parameter to read

UK		EUR
----	--	-----

Asset Manager will assume that costs from projects whose budgets are linked to the UK Region are henceforth represented in Euros.

OR

To create a new mapping for a Region newly defined in HP Project and Portfolio Management add a new parameter with the Region name followed by the | symbol and the ISO currency code. For instance, to create a mapping for a new **China** Region, you might add the following entry to the mapping table:

China		CNY
-------	--	-----

If you are unsure of the correct ISO currency code to use, you can check it in Asset Manager by displaying the **Currencies** (amCurrency) table with the **Financials/ Currencies/ Currencies** navigation bar link.

Viewing detailed project costs from Asset Manager

Asset Manager federates all IT costs, including project costs. You can browse from Asset Manager all costs of each project. (In the example screen below, costs derived from PPM have Labor in their name). Hence, Asset Manager provides in the Project Total Cost of Ownership that includes IT material, contract as well as labor costs.

Having an operational view of projects from Asset Manager

You can launch HP Project and Portfolio Management from Asset Manager to focus on labor aspects by clicking on the **Display the detail in Project Portfolio Management** link on the **General** tab.

Project: Partner Management System ■ Green

Project Settings | Configure Participants | Delete Project

Project Status: Detailed Project Definition
 Project Manager: Nicole Smith
 Project Plan Period: January 2008 to June 2008

Phase: Project
 Project Region: US

Status: Nov 3, 2008
■ Green

Schedule	Issues	Cost
	■	■

Project Summary | Project Details | References

Work Plan

Name	January 2008	February 2008	March 2008	April 2008
Partner Man...	[Gantt bar]			
I. Requirem...	[Gantt bar]			
II. Solutio...	[Gantt bar]			
III. Protot...	[Gantt bar]			
IV. Purchas...	[Gantt bar]			

Edit Work Plan | View Baselines

Milestone Summary

Milestone	Sched Finish	Actual Finish	Owners
Requirements Sign-Off	Jan 16, 2008		
Design Approval	Jan 29, 2008		
Prototype Sign-Off	Jan 29, 2008		
Purchases - Capitalized	Jan 7, 2008		
Purchases - Expensed	Jan 7, 2008		

Issues

Req#	Description	Priority	Status	Assigned To
30271	More filters to report	High	New	
30278	Acceptance criteria undefined	High	New	
30281	Change in support hours	Normal	New	
30249	Report layout needs change	Normal	New	
30245	Inventory balance is wrong	Normal	New	

Log Issue | Show Full List

Risks

Req#	Description	Status	Probability	Impact Level	Assigned To
30122	training schedule	New	Unlikely (0-40%)	High	
30126	Missing Key inputs on Requirements from remote sales offices	New	Unlikely (0-40%)	Low	
30049	Glitches in building move during testing	New	Unlikely (0-40%)	Low	
30085	Patch release incompatibility with desktop publishing SW	New	Unlikely (0-40%)	Low	

Show Full List

Cost import limitations

- Costs generated out of the tasks declared at the work plan level in HP Project and Portfolio Management and that are rolled up automatically to the Budget cannot be retrieved with the version of HP Project and Portfolio Management Web Services that is currently integrated with Asset Manager.

- Only actual costs are imported. For instance in the example project budget shown below, the **Plan** (planned) costs would not be imported.

This Budget is for **Asset - Corporate Help Desk**; actuals are **entered manually**. This Budget occurs in **Region - US**; Cost are entered in **United States Dollar**. This Budget has capitalized costs.

Start Period: January 2007 **Finish Period:** December 2008 [Change Periods](#)

Asset Budget Summary

Planned Budget		Actual Budget	
Total Planned Capital	\$240,000	Total Actual Capital	\$52,000
Total Planned Operating	\$1,152,000	Total Actual Operating	\$86,000
Total Planned Budget:	\$1,392,000	Total Actual Budget:	\$138,000

Asset Budget Breakdown

Budget Status: Approved [Rework Plan](#) **Show:** [Plan Only](#) | [Plan and Actuals](#) **View Lines In:** [Months](#) | [Quarters](#)

Breakdown from January 2007 to December 2008 (Numbers in Table in 000s)												
	Q1 2007						Q2 2007					
	Jan 07		Feb 07		Mar 07		Apr 07		May 07		Jun	
Capital	Plan	Act	Plan	Act	Plan	Act	Plan	Act	Plan	Act	Plan	
Training Non-Labor	10	20	10	20	10	5	10	4	10	3	10	
Capital Total	\$10	\$20	\$10	\$20	\$10	\$5	\$10	\$4	\$10	\$3	\$10	
Operating												
Employee Labor	48	24	48	36	48	12	48	14	48	36	48	
Operating Total	\$48	\$24	\$48	\$36	\$48	\$12	\$48	\$14	\$48	\$0	\$48	
Month Total	\$58	\$44	\$58	\$56	\$58	\$17	\$58	\$18	\$58	\$3	\$58	
Quarter Total	Plan: \$174 Actual: \$117						Plan: \$174 Act					

Software license rights compliance - integration with HP Client Automation: Improvements

- The **License rights compliance** module did not function correctly and has been fixed.
- New HP Connect-It scenarios have been provided.
- Labels have been changed.

Management of virtual environments: Improvements

The management of virtual environments has been extended and improved:

- **Virtualization - Line-of-business data** are now provided.

They include:

- Client-resource relationship types that are necessary for virtual environment management servers to be imported from HP Discovery and Dependency Mapping Inventory through HP Connect-It:

- Manages VM host (ManagesVmHost)
 - Manages virtual machines (ManagesVm)
- Natures:
 - Virtual machine (CPUVM)
 - Business service (BIZSVC)
- Models:
 - Virtual machine (VMCPU)
 - VMware ESX Server (SIESX)
 - VMware VirtualCenter (SIVC)
 - VMware ESX Server (ESXSERVER)
 - VirtualCenter Server (VCSERVER)
 - Virtual machine management software (SIVM)
- **Dashboard** type actions:
 - ◆ Dashboard: Virtualization (BstVirtualizDashBoard)
- Statistics:
 - Breakdown of physical computers versus virtual machines (StdStatVirtPhys_virt)
 - Breakdown of virtual machines by Oper. System (StdStatVirtOS_virt)
 - Breakdown of virtual machines by State (StdStatVirtStatus_virt)
 - Breakdown of virtual machines per CPU speed (StdStatVirtCPUSpeed_virt)
 - Breakdown of virtual machines by Assignment (BstStatVMsByAssignment_virt)
- The model tree has been restructured.

You will find models related to virtual environments attached to the **IT and Telecom/ IT accessories and equipment/ Computers** and **IT and Telecom/ IT accessories and equipment/ Computers/ Computer servers** tree nodes.
- The HP Connect-It scenarios used to import virtual environment components from HP Discovery and Dependency Mapping Inventory have been improved in the following ways:
 - Virtualization servers (VMWare VirtualCenter, VMWare ESX Server, Solaris Zone, etc.) are imported as computers.
 - A software installation is created to describe the virtual machine management software. It is attached to the virtualization server where it was found.



Note:

These software installations are not scanned by HP Discovery and Dependency Mapping Inventory.

- The **Computer type** (ComputerType) field in the **Computers** (amComputer) make it possible to distinguishing the various servers (VMWare VirtualCenter, VMWare ESX Server, Solaris Zone, etc.).
- A client-resource relationship is created between:
 - A virtual machine and the virtualization server hosting it
 - A virtualization server and a virtual environment management server (such as VirtualCenter)
- The **Portfolio management/ IT/ IT equipment/ Virtual environment management servers** entry on the navigation bar displays a list of servers and details on the selected one.

Database password encryption: Improvements

Asset Manager previously used its own security algorithm to encrypt database passwords stored in the `amdb.ini` file. In version 5.1, sign-in security is enhanced with the stronger, industry-standard **AES 256** algorithm.

When you create a new connection to a database using the **File/ Manage connections** Windows client menu, or modify sign-in details of an existing connection, the password stored in the `amdb.ini` file will be encrypted using AES 256.

When opening an existing database connection from `amdb.ini`, Asset Manager is backward compatible with the previous encryption system and can connect using the old password.

If you wish to enhance security of an existing database connection with AES 256 encryption, you should change the old password. In this way the old password, encrypted with the weaker method, will no longer be usable.

For details of the new method, see

http://en.wikipedia.org/wiki/Advanced_Encryption_Standard.

Full support for Oracle 10 clients: Improvements

Support for the use of Oracle 10 clients, in combination with the Oracle 10 DBMS, has been improved. The limited instances where it was previously necessary to use an Oracle 9 client with Asset Manager running on an Oracle 10 DBMS have been fixed.

Full support for Oracle 11: New

Asset Manager 5.1 provides support for Oracle 11.

Performance on Solaris and AIX: Improvements

Performance of Asset Manager executed on Solaris and AIX environments has been significantly improved.

Changes introduced in version 5.10

Brand name used for the product and its components: Modifications

Former name	New name
HP OpenView	HP Software
AssetCenter	Asset Manager
AssetCenter Database Administrator	Asset Manager Application Designer
AssetCenter Server	Asset Manager Automated Process Manager
AssetCenter Export	Asset Manager Export Tool
AssetCenter Base	Retired
AssetCenter Portfolio	Asset Portfolio

Name and location of files and parameters: Modifications

Below are some examples of file names and locations, and parameters that have changed:

File or parameter	Former name or location	New name or location
Installation folder of the Asset Manager components	C:\Program Files\HP OpenView\AssetCenter...	C:\Program Files\HP\Asset Manager 5.21 xx, where xx corresponds to the Asset Manager installation language.
Asset Manager entries on the Windows Start menu	Start/ Programs/ HP OpenView/ AssetCenter...	Start/ Programs/ HP/ Asset Manager...
Name of the MSDE instance used for the demonstration database	ASSETCENTER	ASSETMANAGER
Password used for the MSDE sa user	saacpassword	saampassword
Name of the connection to the demonstration database	ACDemo...	AMDemo...

File or parameter	Former name or location	New name or location
File name	ac-jni-51.jar	am-jni-51.jar
File name	ac-constants-51.jar	am-constants-51.jar
File name	AssetCenter.xml	AssetManager.xml
File name	AssetCenterWebService.xml	AssetManagerWebService.xml
Asset Manager Web Tier URL	http://.../AssetCenter	http://.../AssetManager
File name	ac-pwd-crypt-51.jar	am-pwd-crypt-51.jar
File name	AssetCenterWebService.war	AssetManagerWebService.war
File name	AssetCenter-webservice.ear	AssetManager-webservice.ear
File name	AssetCenter.war	AssetManager.war
File name	AssetCenter-webtier.ear	AssetManager-webtier.ear
Location of .ini and .cfg files on Windows NT systems	\Documents and Settings\ <windows user="">\Application Data\Hewlett-Packard\HP OpenView\conf folder</windows>	\Documents and Settings\ <windows user="">\Application Data\HP\AssetManager\conf folder</windows>
Location of .ini and .cfg files on Windows Vista systems	\Users\ <windows user="">\AppData\Roaming\Hewlett-Packard\HP OpenView\conf folder</windows>	\Users\ <windows user="">\AppData\Roaming\HP\AssetManager\conf folder</windows>
Location of .ini and .cfg files on Unix systems	~/ .ov/conf/ folder	~/HP/AssetManager/conf folder
Location of the amdb.ini file on Windows NT systems (system connections)	\<Documents and Settings>\All Users\Application Data\Hewlett-Packard\HP OpenView\conf folder	\<Documents and Settings>\All Users\Application Data\HP\AssetManager\conf folder
Location of the amdb.ini file on Windows NT systems (user connections)	\Documents and Settings\ <windows user="">\Application Data\Hewlett-Packard\HP OpenView\conf folder</windows>	\Documents and Settings\ <windows user="">\Application Data\HP\AssetManager\conf folder</windows>
Location of the amdb.ini file on Windows Vista systems (system connections)	\ProgramData\Hewlett-Packard\HP OpenView\conf\ folder	\ProgramData\HP\AssetManager\conf folder
Location of the amdb.ini file on Windows Vista systems (user connections)	\Users\ <windows user="">\AppData\Roaming\Hewlett-Packard\HP OpenView\conf\ folder</windows>	\Users\ <windows user="">\AppData\Roaming\HP\AssetManager\conf folder</windows>
Location of the amdb.ini file on Unix systems (system connections)	/var/opt/OV/conf/ folder	/var/opt/HP/AssetManager/conf folder

File or parameter	Former name or location	New name or location
Location of the amdb.ini file on Unix systems (user connections)	~/ .ov/conf/ folder	~/HP/AssetManager/conf folder

User profiles: Improvements

In version 5.10, Asset Manager has improved the way in which it controls access to its databases:

- **User roles:** Users are no longer associated with a unique user profile, but with one or more user roles.
When connecting, the user selects the user role that corresponds to what that user would like to do with Asset Manager.
Example of a user role: **Asset Manager for site X**.
A user role comprises one or more user profiles.
Example of a user profile: **Request validation**.
 - **User profiles:** Profiles continue to be used.
They remain composed of user rights, functional rights and access restrictions.
On the contrary, a user profile can no longer be directly associated with a user (it is, indirectly, via a user role).
 - **User rights:** No change.
 - **Functional rights:** No change.
 - Asset Manager is installed with line-of-business data that you can import into your production database.
The line of business data is named **Administration - Roles profiles user rights and restrictions**. They contain standard user profiles.
 - The **Select your Asset Manager user role** (sysCoreChangeMasterProfil) can be associated with a user as an action to execute when the user connects.
This wizard lets the user modify his or her default user role when the user connects to the Asset Manager database.
- **Administration** guide, chapter **Controlling access to the database**.

Web client: Improvements

- Time required to display pages has been greatly reduced.
- The deployment procedure has been modified.
► **Installation and upgrade** guide, chapter **Installing, configuring, uninstalling and updating Asset Manager Web**.

- Workflow schemes (graphical representation) can now be viewed via the Web client.
 - ▶ **Advanced use** guide, chapter **Workflow**, section **Workflow tracking**.
- BEA WebLogic is now supported.
 - ▶ **Installation and upgrade** guide, chapter **Installing, configuring, removing and updating Asset Manager Web**, section **Installing Asset Manager Web**.
- Using screens, which can be configured just like views, it is now possible to have a view equivalent in the Web client.

Shared views are automatically converted to screens when migrating the old-format database.

Views created after the migration can be converted to screens via a wizard.

 - ▶ **Tailoring** guide, section **Customizing shared views**.
- Filters: Filters remain displayed above lists after they have been applied.

Records from wizard or tab lists can be filtered and sorted.

 - ▶ **User Interface** guide, chapter **First steps with Asset Manager**, section **Record lists/ List display parameters**.
- Lists from hierarchic tables can be displayed in tree view for main lists and tab lists (but not wizard lists).
 - ▶ **User Interface** guide, chapter **First steps with Asset Manager**, section **Record lists/ List display parameters**.
- Statistics can be displayed.
 - ▶ **User Interface** guide, chapter **First steps with Asset Manager**, section **Record lists/ Viewing statistics**.
- The appearance of the Web clients can now be customized.
 - ▶ **Tailoring** guide, section **Customizing Web clients**
- Users can now reference a page in the Microsoft Internet Explorer favorites.
 - ▶ **User Interface** guide, chapter **First steps with Asset Manager**, section **Asset Manager workspace/ Favorites**.

Financial management: Improvements

- Budgets are now easier to create.
 - ▶ **Financials** guide, chapter **Expenses** section **Budgets**.
- Chargeback features have been improved.

IT expenses are now more easily charged back to the appropriate department making the IT cost center equal zero.

To assist you, Asset Manager provides you with predefined chargeback rules and systems.

They are included in the **Financials - Line-of-business data (TCO-budgets-chargeback)** line-of-business data that you can import into your production database.

▶ **Financials** guide, chapter **Chargeback**.

- The calculation method used to calculate an asset's or a business service's total cost of ownership (TCO) has been modified: Calculation formulae have been improved and the result of the calculation, which was previously stored in a calculated field, is now stored in a monetary field (doing so accelerates the display of the TCO in lists).
 - ▶ **Financials** guide, chapter **Total Cost of Ownership (TCO)**, section **Calculate the Total Cost of Ownership (TCO) in Asset Manager/ TCO of an asset/ How is TCO for an asset calculated?**.
 - ▶ **Financials** guide, chapter **Total Cost of Ownership (TCO)**, section **Calculate the Total Cost of Ownership (TCO) in Asset Manager/ TCO of a business service/ How is a business service's TCO calculated?**.
- **Cost categories** have been renamed to **cost types** to comply with ITIL terminology.
- Budget modification possibilities are now dependent on the value of the **Status** (seStatus) field.

Once the budget has been validated, budget modifications can be frozen and, if the budget is modified, a new validation request can be triggered.

Native support for Microsoft SQL Server 2005: New

Microsoft SQL Server 2005 is now fully supported. You no longer need to activate Microsoft SQL Server 2000 compatibility on the server.

No additional specific configuration is needed to use it.

▶ **Administration** guide, chapter **Creating, modifying and deleting an Asset Manager database**, section **Creating an empty shell with the DBMS/ Creating a database at the DBMS level/ Microsoft SQL Server**.

Support for Windows Vista: Improvements

Support for Windows Vista has been improved.

No additional specific configuration is needed to use it.

▶ **Installation and upgrade** guide, chapter **Installing and uninstalling in Windows (except Asset Manager Web)**.

Integration with HP Client Automation: Modifications

In Asset Manager version 5.0x, the HP Client Automation integration was only available for the English version of Asset Manager and required that a specific configuration be implemented. This was especially true for the database structure.

Integration with HP Client Automation is now standard for all Asset Manager language versions.

► **Integration with software distribution and configuration management tools** guide, section **Integration with HP Client Automation**.

Integration with HP Discovery and Dependency Mapping Inventory: Improvements

It is now possible to import the software library read by HP Discovery and Dependency Mapping Inventory.

This is possible using the **edac-swnorm.scn** scenario.

This scenario is installed with HP Connect-It.

► **Software assets** guide, section **Using the Software assets module**, chapter **Software installations and utilizations management**, section **Creating installations/utilizations automatically**.

Procurement Management: Modifications

- When processing a request, users can check if a portfolio item exists before making a purchase, and reserve the portfolio item.
 - **Procurement** guide, section **Special cases**, chapter **Reserving items to be acquired**.
- Only guest access (detail of the user) is required to create or approve requests
- The **Purchase request validation** (REQAPPR) workflow scheme has been modified:

Functional approval is required if, in the detail of the cost center associated with the request, the **Functional approval is required** (bFuncApproval) option is selected.

Financial approval is required if the request's pre-tax total amount exceeds the threshold amount defined in the associated cost center.

A budget approval step was added for cases when the financial approver requests that the budget be approved during the financial approval phase.

► **Procurement** guide, section **General overview**, chapter **Requests**, section **Procedures/ Automating request validation**.

Request self-service: New

A request self-service system is now available.

This system is more user-friendly and provides you with the HP Service Manager interface that you can use to carry out your requests:

- 1 You describe your catalog of services (standard requests) and products which can be transferred in HP Service Manager, and specify when an off-catalog product can be requested for a given asset category (models).
- 2 Models, standard requests and products are exported from Asset Manager to the HP Service Manager catalog.
- 3 Users create requests via the HP Service Manager self-service catalog and make their selection based on the standard requests, products and off-catalog product categories in Asset Manager.
- 4 The request is then sent from HP Service Manager to Asset Manager.
- 5 After this step, the procurement cycle is carried out in Asset Manager.
- 6 Then, the status of the request is updated in HP Service Manager via a HP Connect-It scenario.

Users can view the status of their requests.

► **Procurement** guide, section **General overview**, chapter **Request self-service**.

Managing software assets: Improvements

The software asset management module has been improved globally to make it easier to use.

Terminology and processes have been aligned with ITIL and ISO terminology and processes.

- Filters have been added to wizards
- Software upgrades and license rights transfers are now managed by counters.
 - **Software assets** guide, chapter **Monitoring license compliance of installations**, section **Optimize compliance with software updates and license transfers**.
- Software installations can be created without creating a portfolio item (optional).

Advantage: Less space is used in the database.

- **Software assets** guide, chapter **Software installations and utilizations management**, section **Linking/unlinking an installation to/from a portfolio item**.
- New license types can be managed including demonstration licenses
- Named entitlements can now assign rights to groups and departments.
Installations are now authorized instead of licenses.

The **Assign user/installation rights...** (sysSamEntitlement) wizard has been modified to take this change into account.

Forms: Support no longer provided

Forms are no longer supported.

The **Tools/ Reporting/ Forms...** menu was removed from the Windows client. However, if you converted an Asset Manager old-format database to the 5.10 format, then the forms will still be present in your database.

You can continue creating the forms in the Windows client via the **Administration/ List of screens...** menu. Once you've clicked this menu item, select the **Internal forms** (amForm) table.

Replace the forms with reports from Crystal Reports:

- **Creating and editing reports:** Use the designer sold by Business Objects or the OEM version named Crystal Reports for Asset Manager, delivered with Asset Manager.
 - **Saving reports:** Use the Asset Manager database or the server database sold by Business Objects or the OEM version named Crystal Reports Server for Asset Manager, delivered with Asset Manager.
 - **Displaying in the Windows client:** Install the Crystal Reports viewer distributed by Business Objects or delivered with Asset Manager.
 - **Displaying in the web client:** Use the server sold by Business Objects or the OEM version called Crystal Reports Server for Asset Manager, delivered with Asset Manager.
- ▶ **Advanced usage** guide, chapter **Crystal Reports**.

API: Additions

The following APIs have been added:

- AmCalculateStatistic
 - AmCalculateStatisticFromSQLName
 - AmCalculateAndStoreStatistic
 - AmDbGetLimitedList
- ▶ **Programmer's reference**.

Business home pages: New

When you click a node in the Asset Manager Web client, the business home page of the selected domain is displayed (for example, **Finance**).

The page has several sections relevant to the functional domain of the selected node and the connection role of the connected user:

- Statistics
- Useful links (open a screen, start a wizard, open a Web site, etc.)
- Actions
- Reports
- ▶ **Tailoring** guide, section **Customizing Web clients** , chapter **Business home pages** .

Navigation bar: Modifications

The structure of the navigation bar has been modified: Some entries have been moved, others have been renamed.

Statistics: Improvements

You can now define statistics in one of two ways:

- By using a standard query
- By writing a complex script to display statistics

You can use scripts to define more complex statistics.

For example, if you want to group records by period, compare records in different tables or group using data from a full name type field, you will need to write a script.

- ▶ **Advanced use** guide, chapter **Statistics**, section **Using a script instead of a query**.

Managing mobile devices: New

Mobile devices include communication devices and accessories such as mobile phones, PDAs, etc.

Like computers, mobile devices are stored as portfolio items. They are listed in the computers table but have specific fields.

- ▶ **Portfolio** guide, chapter **IT portfolio**, section **Mobile devices**.

Managing virtual machines: New

Like computers, virtual machines are stored as portfolio items. They are listed in the computers table but have specific fields.

- ▶ **Portfolio** guide, chapter **IT portfolio**, section **Virtual machines**.

Service level management: New

Asset Manager lets you:

- Describe service level agreements.
 - Describe a service level objectives contract for each time division (for example, for 2008), for each service level agreement.
 - Describe performance objectives for each period covered by the time division (for example, each quarter of 2008), for each service level objectives contract.
These objectives are used to evaluate the availability of the service.
 - Define downtime penalty calculation rules for each service level objectives contract.
 - Calculate availability levels and any penalties.
 - Chargeback penalties.
- **Contracts** guide, section **Utilization**, chapter **Manage service levels**.

Reports: Modifications

An OEM version that includes two Crystal Reports applications is now bundled with Asset Manager:

- Crystal Reports for Asset Manager
- Crystal Reports Server for Asset Manager

However, you may continue using a commercial version of these two Crystal Reports products as long as its version number is listed in the Asset Manager compatibility matrix.

The Crystal Reports implementation procedure depends on whether you are using a commercial or OEM version.

► **Advanced Use** guide, chapter **Crystal reports**.

Sybase SQL Server: Support no longer provided

Sybase SQL Server is no longer supported.

Contract terms and conditions: New

Asset Manager now lets you describe detailed terms and conditions of a contract.

► **Contracts** guide, section **Utilization**, chapter **Step 1 - Creating the contract**, section **Contract terms and conditions**.

Delegations: New

Workflow tasks can now be delegated to designated users.

Delegations let users transmit task assignments from one user (Employee delegating) to another user (Employee delegated to) and do so for a determined or undetermined period of time.

► **Advanced use** guide, chapter **Workflow**, section **Tasks/ Delegating a task**.

Documentation: Modifications

All of the guides have been modified.

► The list of all guides that are provided and where to find them are listed in this manual, in section [Related documentation](#) [page 153].

Storage of Unicode data: New

In all Asset Manager installations, regardless of language, Unicode strings can be stored in the Asset Manager database by activating this option with Asset Manager Application Designer

If this option is activated you can use all of the following together within a field:

- Characters from most languages, including Asian languages.
For a complete list of supported code pages, see the compatibility matrix: ► [Product compatibility](#) [page 58].
- Left-to-right character order
- Right-to-left character order (for example, Arab or Hebrew)
- Combination of left-to-right and right-to-left character orders (bidirectional)

This can only be used if the following components are installed under Windows: Asset Manager API, Asset Manager Web Service Asset Manager Automated Process Manager, Asset Manager Export Tool, Asset Manager Import Tool.

In any event, the database may be hosted on a Unix server.

► **Administration** guide, chapter **Creation, modification and deletion of a Asset Manager database**, section **Languages that can be used in text fields**.

Environments, platforms and software: End of support

The following third party environments, platforms and software which were part of a Asset Manager integration are no longer supported:

- Windows 2000
- RedHat Enterprise Linux 3
- Solaris 8
- AIX 5.2

- Oracle 9.2
- Microsoft SQL 7
- DB2 8.x
- WebSphere 6.0
- Apache 1.3
- Get-Resources
- Crystal Reports 10, 11.0
- Sybase Adaptive Server

2 Updates to this guide

The cover page of these Release Notes contains the following information:

- Software version
- Document Release Date, which changes each time the guide is updated

For the latest updates or to find out if you are using the most recent version, please visit the following Web site:

<http://h20230.www2.hp.com/selfsolve/manuals>

 Note:

Acrobat Reader must be installed on your system to read the PDF files (* .pdf). You can download Adobe Acrobat Reader from the following site:

<http://www.adobe.com/>

3 Installation notes

Specifications and Asset Manager installation instructions are detailed in the **Installation and upgrade** guide provided in Adobe Acrobat format (.pdf). This document is located on the Asset Manager CD-ROM in this folder:

```
ac\program files\HP\Asset Manager 5.21 <installation language code>\doc\pdf
```

After the installation, this document can also be found in the following folder: doc\pdf subfolder of the Asset Manager installation folder. (Generally this is C:\Program Files\HP\Asset Manager 5.21 xx\doc\pdf)



Note:

Replace **xx** with the two letter language code of your Asset Manager installation.

Saving time when installing client machines

Performing a full installation of Asset Manager (called **Typical** by the setup program) may take a significant amount of time; this is true for installation as well as subsequent uninstallation and update.

In many cases, you will not need all program features to be installed; this is particularly true when you install a regular Asset Manager client.

If that is the case, on the first page of the setup screen, select **Custom** and click **Next**.

On the following screen, features that can typically be omitted are:

- Asset Manager Automated Process Manager
- Database administration (includes Asset Manager Application Designer and database migration)
- Demonstration database (MSDE)
- Bar-code reader
- Web Services and Web Client

Upgrading a beta version of Asset Manager 5.21

If you have already installed a BETA version of Asset Manager 5.21 you must uninstall it manually before installing this version.

Upgrading a previous version of Asset Manager

The operations to perform to upgrade Asset Manager depend on the previous version number:

Table 3.1. Upgrading a previous version of Asset Manager - Operations to perform

Number of the version to be updated	Operations to perform	Documentation to consult
Version 5.20 or later	Update procedure	This guide, section Updating Asset Manager version 5.20 or later [page 55]
Versions 4.2.x, 4.3.x, 4.4.x, 5.0x or 5.1x	In most cases, a simple upgrade will suffice	Installation and upgrade guide, chapter Upgrading a previous version , section Upgrading Asset Manager 4.2.x, 4.3.x, 4.4.x, 5.0x or 5.1x - Overview
	If the simple upgrade fails, you will need to perform a simplified migration	Migration guide
Versions 4.1.x or earlier	Full migration	Migration guide

Updating Asset Manager version 5.20 or later

Why update?

Some slight modifications have been made to Asset Manager between the previous version (5.20) and 5.21:

- Database structure:
Certain structural parameters (default values, screens or pages for example) have been modified or added.
On the other hand, no tables, fields or links have been added or deleted.
- The programs have been slightly changed.

Required competencies

The update process is relatively simple and requires:

- An understanding of Asset Manager (installation, administration).
- Preparation
- Technical competency: database administration.
- Methodology

Update procedure

- 1 Make a backup of the old-format production database.
- 2 Block the old-format production database.



Blocking the **old-format production database** consists of stopping the **old-format production database** from being used so that no modifications are made during the upgrade process (they would not be taken into account in this case).

Perform the following tasks:

- 1 Disconnect all users from the old-format production database.
- 2 Shut down the following programs:
 - Asset Manager Automated Process Manager
 - Asset Manager APIs
 - External programs that access the old-format production database.
- 3 Block access to the old-format production database.
- 3 Update the Asset Manager programs.

► **Installation and upgrade** guide, chapter **Upgrading a previous version**, section **Detail of certain upgrade operations/ Updating Asset Manager programs**

- 4 Import the **version 5.21 system data**.
 - 1 Launch Asset Manager.
 - 2 Connect to the **old-format production database**, which is blocked, via **File/ Connect to database**.
 - 3 Select **File/Import**, option **Execute a script**.
 - 4 Select `upgrade.lst` (usually located in the folder: `C:\Program Files\HP\Asset Manager 5.21 xx\migration\fromxxx`, where **xxx** stands for the version of the **old-format production database**).
 - 5 Click **Import**.
 - 6 Click **Close**.
 - 7 The database you obtain by doing this is called the **5.21-format production database**.
- 5 Start Asset Manager Automated Process Manager on the **5.21-format production database**.
- 6 Update database screens with `amdbal`, the command line version of Asset Manager Application Designer:
 - 1 Open a command window in the `<Asset Manager 5.21 installation folder>\bin`
 - 2 Run the command

```
amdbal -upgradescreens:<Name of the 5.21-format production database>  
;<password of the Asset Manager Admin login>;<location of the Asset  
Manager installation folder>
```



Tip:

<Name of the 5.21-format production database> is the name as it appears in the **Manage connections** dialog displayed by the **File/ Connect to database** menu of the Asset Manager Windows client.

<password of Admin> is the password of the Admin user used to connect to the 5.21-format production database. For example:

```
amdbal -upgradescreens:AM52;anypassword;"C:\Program Files\HP\Asset Mana  
ger 5.21 en"
```

- 7 Relaunch the external programs that access the **5.21-format production database**.
- 8 Inform users that they can use the database.

Supported DBMSs

- Oracle
- Microsoft SQL Server
- DB2

 Note:

Among these supported DBMSs, only those versions currently available at the time of release are supported.

 Note:

In Oracle, we highly recommend configuring your database so that it is case-sensitive. To do this, use the Oracle administration tools.

 Note:

Microsoft MSDE is supported for demonstration purposes only.

For further information on the supported DBMSs, please refer to the Asset Manager 5.21 Support matrix.

This matrix is available on the HP support site at the following address:

www.hp.com/go/hpsoftwaresupport

 Note:

You will need a valid login and password to access this site.

Environments, platforms and software: End of support

The following third party environments, platforms and software which were part of a Asset Manager integration are no longer supported:

- Windows 2000
- RedHat Enterprise Linux 3
- Solaris 8
- AIX 5.2
- Oracle 9.2
- Microsoft SQL 7

- DB2 8.x
- WebSphere 6.0
- Apache 1.3
- Get-Resources
- Crystal Reports 10, 11.0
- Sybase Adaptive Server

Product compatibility

Before attempting to install or upgrade Asset Manager or any related components, you should verify them against the Asset Manager support matrix. It details required hardware, software components and product combinations that are certified for use with Asset Manager 5.21. They are available on the HP support site at:

www.hp.com/go/hpsoftwaresupport

You will need a user name and password to access the site.

Creating the database / License key

When you create your database using Asset Manager Application Designer, you need to provide a license key file to activate the access rights to the database.

This file conforms to your Asset Manager license. For more information about license keys, consult the online help provided with the software or refer to the **Administration** guide, chapter **Installing License Keys**, section **Obtaining HP AutoPass License Keys**.

 **Note:**

The availability of certain modules and functions for integration with other software depends on your license. Contact HP technical support.

Demonstration database

The **Admin** login provides access to the demonstration database. It does not have a password. When connecting to the demonstration database for the first

time, you must provide a license file. To obtain a demonstration license file, contact HP support.

4 Enhancements and fixes

This chapter is a cumulative history of the main enhancements and fixes that have been introduced in releases of Asset Manager since version 5.10.

Enhancements and fixes introduced in version 5.21

Defect **AM111616152** (Support case **4605808102**)

Application	Asset Manager Windows client
Symptoms	Certain fields for selected criteria are not always grayed out on screens opened through the QBE filter.
Description	Screens opened through QBE filter are started with a system hidden filter corresponding to the QBE selected criteria. Those criteria, when non-equivocal, should prevent the modification of corresponding fields of matching records. This rule is called 'fixed fields enforcement'. However, fields were not always consistently grayed out in all cases. Note: Non-equivocal indicates that the criteria includes no wildcards and can specifically point to those records which meet the criteria.

Resolution Fixed fields enforcement will now work with any non-equivocal filter definition.

Note:

Equivocal QBE criteria won't trigger the fixed fields enforcement. Using SQL wildcards for a text field filter would eliminate filtered text from the potential 'fixed fields' list.

Defect **AM716165827** (Support case **4601730750**)

Application	Asset Manager Windows client
Symptoms	When a currency symbol partially overlaps with another one, it might become unusable.
Description	<p>Currency symbols that contain characters used as other currency symbols are not allowed.</p> <p>When currency symbols contain characters used as other currency symbols, the following error occurs: Value 'X' is not a valid double-precision number (where 'X' is the currency value you entered).</p> <p>For example, the symbol for Sweden's currency (SEK) contains an 'E', which is also used to represent the Euro, entering SEK100.00 would cause error.</p>
Resolution	The currency symbol parser has been adjusted to recognize all currencies.

Defect **AM922155630** (Support case **4603922401**)

Application	Asset Manager Windows client
Symptoms	The +Screen wizard allows nonexistent functional domain.

Description	<p>If you enter a nonexistent functional domain in the +Screen wizard, the screen will be created with an empty functional domain.</p> <p>The following procedure shows you how to add a screen through +Screen wizard:</p> <ol style="list-style-type: none"> 1 Click Portfolio/ Assets and Batches to display the amAsset table. 2 Click Tools/ Views/ Create a custom view from the current table. Name the view EOL-WEBSITE1 , check Visible in menus and uncheck Not Shared, then click Add. 3 Click Tools/ Views/ Edit custom views and select EOL-WEBSITE1 . 4 Click +Screen and enter the following parameters (assume /View/ is not exist in function domain): <ul style="list-style-type: none"> ■ Screen name: EOL-WEBSITE1 ■ SQL name: EOL_WEBSITE1 ■ Functional domain: /Views/ ■ Screen set: Full 5 Click Finish. 6 In Asset Manager Application Designer, verify that the view EOL-WEBSITE1 has an empty domain.
Resolution	The functional domain field in +Screen wizard is now Linkedit class, which ensures this value exists in functional domain.

Defect [AM10122226](#) (Support case [4603929178](#))

Application	Asset Manager Windows client
Symptoms	The screen with htmlLabel class fields displays slowly in certain situations.
Description	The screen displays slowly if it contains calculated field which uses htmlLabel . The performance of htmlLabel needs improvement. For details about htmlLabel , refer to the Tailoring Guide, Chapter Customize a page: Insert HTML content .
Resolution	Field positions are no longer flushed to display until the definitive positions are ready for all of them. The displaying performance of htmlLabel is improved.

Defect [AM109163443](#) (Support case [4603854787](#))

Application	Asset Manager Windows client
Symptoms	Asset Manager memory usage remains high after database disconnection

Description	Memory usage upraised during a working session is not released when disconnecting from database. Must quit application to get memory usage back to its initial level.
Resolution	Disconnection operation now releases the memory previously locked during the connected session.

Defect **AM106205322** (Support case **4601233886**)

Application	Asset Manager Web client
Symptoms	The Location field of the amComputer table cannot be updated through the Web client.
Description	Updating the Location field of the amComputer table works in the Windows GUI, however, it fails in the Web client.
	<p>Tip:</p> <p>To modify the Location of a computer record: click the record in the amComputer table (Portfolio management/ IT/ IT Equipment/ Computers), select a new value for the Location field, and click Modify.</p>
Resolution	AM persistence controller is now fixed to correctly handle such situations.

Defect **AM106212912** (Support case **4602816218**)

Application	Asset Manager Web client
Symptoms	Impossible to open a screen in the Organization domain on a specific database. Cryptic error message:
	message java.lang.NullPointerException
Description	The error is due to some mistake in the specific database.
Resolution	Clearer error message is provided to help identify and solve the problem.

Defect **AM108113614** (Support case **4602809791**)

Application	Asset Manager Application Designer
Symptoms	Repairing triggers may corrupt database in certain situations.

Description	When repairing a database with missing triggers using Asset Manager Application Designer (Action/ Diagnostics / Repair database menu), the database sometimes corrupts because Application Designer stopped the repair process as soon as the destruction of a missing trigger was attempted.
Resolution	Missing triggers are no longer an obstacle to completing the "repair trigger" operation.

Defect [AM10818410](#) (Support case [4602816218](#))

Application	Asset Manager Web client
Symptoms	Cryptic error message appears while displaying the Projects tab of a record from the Employees table on a specific database.
Description	The error is due to some mistake in the specific database.
Resolution	Clearer error message is provided to help identify and solve the problem.

Defect [AM108183635](#) (Support case [4602816218](#))

Application	Asset Manager Web client
Symptoms	When a monetary value could not be displayed properly in a number entry control (because such data conversion is not supported), the following error appeared in the error log of the Tomcat WebTier (no error message on the web GUI): NumberEdit - Unsupported datatype conversion: com.peregrine.ac.data.types.base.ACMonetary on the Web
Resolution	The message was re-categorized to "warning" and the message wording was improved to eliminate confusion.

Defect [AM102713222](#) (Support case [4602073472](#))

Application	Asset Manager API
Symptoms	Reconciliation fails for data created/read through the Asset Manager API DLL.
Description	The reconciliation process would be disabled/broken if the data is created/read through Asset Manager API DLL. For more information about the API DLL, refer to the Programmer's reference guide, chapter Using the API .

Resolution	The reconciliation process is now enabled also when running the Asset Manager API DLL.
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Defect **AM101515154** (Support case **4603389178**)

Application	Asset Manager Web client
Symptoms	Some customized screens which contained a large number of columns for the main list could fail to open on the web client, although they opened correctly on the Windows client. Error message: Error: Duplicate component ID 'listForm:mainList-mainList:c-1890005471' found in view.
Resolution	Fixed

Defect **AM101516339** (Support case **4603770846**)

Application	Asset Manager Web client
Symptoms	Applying a filter defined by a query wizard (QBE) that contains an itemized list type field, then clicking the Current filter: <QBE name> link causes a blank page to appear.
Description	The query wizard is accessible from the drop-down on top of the records list.
Resolution	Fixed

Defect **AM108182051** (Support case **4602816218**)

Application	Asset Manager Web client
Symptoms	Cryptic error message appears while displaying the Stocks tab of a record from the Locations table on a specific database.
Description	The error is due to some mistake in the specific database.
Resolution	Clearer error message is provided to help identify and solve the problem.

Defect **AM1022185949** (Support case **4603255997**)

Application	Asset Manager clients
Symptoms	HP-UX versions of Asset Manager products could not use OpenLDAP.
Description	HP-UX versions of Asset Manager products could not use OpenLDAP because the OpenLDAP library is not correctly linked with Asset Manager.

Resolution	The build process was fixed to correctly link the OpenLDAP library with HP-UX versions of Asset Manager.
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Defect **AM411152814** (Support case **4605022895**)

Application	Asset Manager Windows client
Symptoms	When the user of a portfolio item was changed, the change of user was propagated to the components of the portfolio item, which in many circumstances is not the desired behavior.
Resolution	A database option Agent (Administration/ Database options menu) is added which allows the user to stop propagating the portfolio item's user to its component.

Defect **AM1029111429** (Support case **4605756168**)


Application	Asset Manager Web client
Symptoms	The Go back to document being edited link did not work for records that were created by duplicating another record. User had to log out and log in again to be able to edit any record.
Resolution	Fixed

Defect **AM106212843** (Support case **4605756168**)

Application	Asset Manager Web client
Symptoms	Impossible to open a screen in the Portfolio domain on a specific database. Cryptic error message: <code>message java.lang.NullPointerException</code>
Description	The error is due to some mistake in the specific database.
Resolution	Clearer error message is provided to help identify and solve the problem.

Defect **AM102117556** (Support case **4603920807**)

Application	Asset Manager Web client
Symptoms	When using the BASIC script to create a new record in a table, Asset Manager does not always check whether mandatory fields are populated.

Description	<p>New records created through Basic script with the mandatory field value missing are still accepted. This happens when the script of the Mandatory property reads remote fields whose path is denormalized (refer to the Administration guide, chapter Denormalization). To get access to the script of the Mandatory property:</p> <ul style="list-style-type: none"> ■ Select the View/ Fields menu item in Asset Manager Application Designer. ■ Select a field, then select the Scripts tab in the lower part of the interface. ■ Select (Script) for Mandatory property. ■ Click  behind Mandatory to set the mandatory condition of this field through Basic script.
Resolution	New records cannot be created through Basic script when the mandatory field value is missing.

Defect **AM1019193515** (Support case **4604797169, 4606420154, 4605961466**)

Application	Asset Manager Web client
Symptoms	The Wizard filter does not function in tree view mode.
Description	The filter of a wizard works in table view mode. However, when switching to tree view mode, all records will display. The filter is no longer taken into account.
Resolution	The wizard filter can now work in the tree view mode.

Defect **AM4815101** (Support case **2216685411**)

Application	Asset Manager Clients
Symptoms	Comments containing carriage return in records of amEmplDept(Organization\ Employees and departments) table does not go to the same line when exported.
Description	<ul style="list-style-type: none"> ■ When exported to Excel sheet, multi-line comments would not go to the same cell; ■ when exported to TEXT file, it would occupy several lines. <p>Tip:</p> <p>The comment can be added in the Comment tab of the amEmplDept record.</p> <p>Before exporting, select Utilities\ Configure list from the context menu, make the Comment column visible in the table.</p> <p>The carriage return symbol has seperated the comments when exported:</p>

Resolution Carriage return symbols are replaced with two spaces when exported.

Defect [AM624164347](#)

Application	Asset Manager clients
Symptoms	The function CountValues is not working properly.
Description	<p>API function CountValues fails to take empty elements into account. The details are as follows:</p> <ul style="list-style-type: none">■ Execute CountValues("MAIN MENUE,x,HOME", ","), the result returns as 3 which is correct.■ Execute CountValues("MAIN MENUE,,HOME", ","), the result returns as 2. It is incorrect because an empty element is still an element, the correct value should be 3. <p>The correct behavior for this API function should allow users to take the empty string into account. Moreover, it should be compatible with old version and legacy scripts.</p>
Resolution	A new parameter, bIncludeEmpty , is now available to take the empty string into account. The default value is set to FALSE to allow compatibility with older APIs and scripts.

Defect [AM1013133158](#) (Support case [4601790420](#))

Application	Asset Manager Windows Client
Symptoms	A negative value is returned if the result of DateDiff is too large.

Description

The following error arises when the calculation result of **DateDiff** is too large:

Value 'negative value' for field tsAccrualPeriod is invalid:
It must be positive.

Note:

This problem also occurs when using **DateDiffEx**.

For example, when we run the following scripts:

```
Dim dStart As Date
Dim dEnd As Date

dStart = "2009/1/1 00:00:00"

dEnd = "9999/12/31 00:00:00"
Print "DateDiff1 = " & DateDiff(dEnd, dStart)
Print "DateDiffEx1 = " & DateDiffEx(dEnd, dStart)
Print "Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 ) = " & Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 )
Print "86400 * Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 ) = " & 86400 * Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 )

RetVal = 0
```

The returned value is:

```
[Thrd#:4544]DateDiff1 = -1231624064
[Thrd#:4544]DateDiffEx1 = 252171446400
[Thrd#:4544]Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 ) = 2876699
[Thrd#:4544]86400 * Int( 360 / 365.25 * DateDiffEx( dEnd, dStart ) / 86400 + .5 ) = -561309568
```

The cause of the problem is 86400 is recognized as a 32-bit data .

Resolution

Use 86400.00 instead of 86400 in the function to calculate the date difference so that the result would be 64-bit.

Defect **AM1030161236**

Application

Asset Manager Web client

Symptoms

Web Service freezes after several hours of stress test.

Description

Web Service freezes on a customer's database because the memory reaches the limit.

Resolution	A new advanced option which cleans the connection pool to prevent this problem is available in <code>aamapi51.ini</code> file. To use the option, set the variable <code>/Advanced/CnxPoolLifeTimeMinutes</code> to a value in minutes. For example, this cleaning period can be set to 30 minutes in this way: [Option] <code>/Advanced/CnxPoolLifeTimeMinutes=30</code>
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Defect **AM1112121159** (Support case **4602816218**)

Application	Asset Manager Windows client
Symptoms	Tagging a Web Service with a screen which calls a non-existent query is not prevented, and no warning appears.
Description	The existence of the "Query Filter" attached to the screen is not checked when tagging a Web Service.
Resolution	The existence of the "Query Filter" is checked in amQuery table when tagging a web Service.

Defect **AM111914626** (Support case **4605881713**)

Application	Asset Manager Windows client
Symptoms	Tab configuration is not preserved upon reconnecting the database in some cases.
Description	The screen name is truncated when it exceeds the maximum length definition. This results in the name overlapping of different screens, thus, causes the tab display problem.




Tip:

To configure the display of the tabs on a screen:

- 1 Select **Administration/ List of screens** from the Windows client.
 - 2 Select the screen from the **Access to screens** box.
 - 3 In the displayed screen, select **Configure tabs** from the context menu of either tab.
 - 4 Configure the visibility and the order of the tabs.
-

Resolution Screen name is encoded before using it to make sure the length is within the maximum length.

Defect **AM1224112230** (Support case **4606810888**)

Application	Asset Manager Web client
Symptoms	The  (hour glass) does not disappear after clicking on the root navigation tree on Web clients.
Description	In the navigation tree integrated from Asset Manager 5.21 and Service Manager 7.02, click on the root node AssetManager , the  appears which prompts the user to wait, however, it does not disappear until refreshing the browser. The problem reoccurs whenever the node is clicked.
Resolution	Javascript has been added to prevent  from appearing and blocking the page when no hyperlink has been called.

Defect **AM1113181255** (Support case **4603922401**)

Application	Asset Manager clients
Symptoms	The following error arises on Web client when accessing the screen created from a custom view on amAsset table: <code>Error: Duplicate component ID 'detail:pgAstMain_tab' found in view.</code>

Description	<p>This error occurs because duplicate page names are created in the amAsset table when creating a screen from a custom view.</p> <p>The following steps reproduce the error:</p> <ol style="list-style-type: none"> 1 Refer to the description of Defect AM922155630 to create a custom view EOL-WEBSITE1. 2 Create a new screen from the view: click +Screen, then click Next twice, enter the following parameters: <ul style="list-style-type: none"> ■ Screen name: EOL-WEBSITE1 ■ SQL name: EOL_WEBSITE1 ■ Functional domain: /Portfolio management/ ■ Screen set: Views <p>Click Finish.</p> 3 Check the page details of EOL_WEBSITE1 screen in Asset Manager Application Designer: select View/ Screen for amAsset table, select the EOL_WEBSITE1 item from the screen list, click the Page tab to view the Page in detail. <p>Both pgAstMain and PgAstMain exist on the screen, which is the root of the issue.</p>
Resolution	One of the duplicated page names are deleted to prevent this problem.

Defect **AM71515106**

Application	Asset Manager Web client
Symptoms	A discrepancy exists between Asset Manager Web and Windows client on the number of software counter templates retrieved in Create a software license management counter (sysSamCreateSoftware-Counter) wizard .

Description	<p>In Windows client</p> <ol style="list-style-type: none"> 1 Select Portfolio Management\ IT\ Licenses\ Create a software license management counter. 2 Select how software installations/utilizations are to be counted: <ol style="list-style-type: none"> 1 In the Create a software license management counter wizard, select Non-commercial\ Temporary\ Demonstration license (non-commercial) from the License Type tree. 2 Click Next. 3 Select a counter template: <ol style="list-style-type: none"> 1 Select the displayed template: Actual utilization and entitlements by department/employee (temporary demonstration license). 2 Click Next to proceed. <p>In Web client</p> <ol style="list-style-type: none"> 1 Select Portfolio Management\ software Asset Management\ Create a software license management counter. 2 In the Create a software license management counter interface, select Demonstration license on the second page of the license type list. 3 Select Next. No template will appear, which is inconsistent with the behavior on the Windows client. <p>There are two types of demonstration licenses: commercial and non-commercial. For the Web client, both of these licenses are named Demonstration license. Because the template applies to the non-commercial license only, no template appears when the user incorrectly selects the Demonstration license that represents the commercial license.</p>
Resolution	<p>Distinguish the two Demonstration license by appending commercial and non-commercial behind the name.</p>

Defect [AM81410844](#) (Support case [4601026376](#))

Application	Asset Manager Application Designer
Symptoms	<p>When trying to denormalize the Start (amFinancialYear:dStart) and End (amFinancialYear:dEnd) fields linked to the Budgets (am Budget) table, the following error occurred:</p>
Description	<p>DATETIME is unknown in table 'amBudget'</p> <p>This error happens specifically to fields of type Date where the DBMS is Microsoft SQL Server.</p>

Resolution Field handling in this context now works correctly.

Defect [AM101132618](#) (Support case [4603507127](#))

Application	Asset Manager Web client
Symptoms	Access restriction for amStatistics and amAction works on Windows client, but does not work on the Web client.
Description	In Windows client, login as a user with access restriction for amStatistic and amAction , the restricted tables cannot be accessed by the user. In Web client, However, login as the same user, the restricted tables can still be accessed.
Resolution	Access restriction for amStatistics and amAction has been added in Web client.

Defect [AM111918566](#) (Support case [4606184331](#))

Application	Asset Manager Application Designer
Symptoms	Asset Manager Application Designer does not prevent tagging the Web Service to protect predefined tags such as R520, R512.
Description	Asset Manager Application Designer should reject tagging Web Service with any of those predefined tags to avoid the predefined tags being replaced by customized tags.
Resolution	A rule is defined to check the name of new tag, so tagging Web Service with identifier such as 'R'+digits (for example: 'R520') is not allowed.

Defect [AM1231172511](#) (Support case [4608030487](#))

Application	Asset Manager Windows client
Symptoms	The Models table in the Create a new request wizard (Procurement/ Request/ Create a new request and Procurement/ Request/ Create a request from products) cannot display properly when switched from Table view to Tree view .
Description	When switched from Table view to Tree view , empty lines appear instead of the previous records in the Models table. The problem occurs because the column width is not assigned for the GUI upon first visiting of tree view. Therefore, all the column width is sized to 0, which causes the "disappearing" of the records.

Resolution	Code has been changed to skip the error-causing operation if the column width got from the GUI is 0.
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Defect **AM101313731** (Support case **4603847971**)

Application	Asset Manager Windows client
Symptoms	No label is displayed for the comment field on the Windows client after adding a MultilineLabel comment in the new page through Asset Manager Application Designer.
Description	<p>The following steps reproduce this issue:</p> <ol style="list-style-type: none"> 1 In Asset Manager Application Designer, create a new page for the amEmplDept table (Label: Employees and Departments, Screen set: Full). 2 Enter MultilineLabel-Comment Id="1" for the Contents of this page. 3 Select File/ Update database structure to commit the change of the database structure. 4 Connect to the database through the Windows client, select the new tab in Organization/ Employees and departments to display the contents of this tab. <p>A label should appear, but does not.</p>
Resolution	The useLabel option is enabled for MultilineLabel class.

Defect **AM11374356**

Application	Asset Manager Web client
Symptoms	Web Service freezes after several hours' stress test on wizards.
Description	<p>Web Service freezes on a customer's database because the memory reaches the limit.</p> <p>When excessive scripts with queries are written for the properties of wizard controls, the refreshing rate would be hardly controllable.</p>

Resolution	<p>To avoid this problem, excessive scripts contained in wizard should be moved to non-refreshable properties.</p> <p>For example: for a wizard page with a LISTBOX control which contains excessive scripts to initialize the VALUES properties of the LISTBOX, move this script to the ONENTER property. Thus, prevent Web Service freezing due to memory exhaustion.</p> <p>An advanced option is now available in aamapi51.ini file, it can help to prevent Web Service freezing by periodically cleaning the connection pool.</p>
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Defect **AM1110145656** (Support case **4605753498**)


Application	Asset Manager Web client
Symptoms	After modifying the Model of a duplicated portfolio item, the Web client did not take this modification into account.
Description	<p>Before the duplication is saved, modifying the Model of a duplicated portfolio item is forbidden.</p> <p>On the Web client, modifying the Model of a duplicated record during duplication would neither be accepted nor prevented by a warning message. On the Windows client, however, a warning message is displayed to prevent the operation:</p> <p>An asset's model cannot be changed during duplication. You must save the duplicated asset first and then try to change its model.</p>
Resolution	The Web client can now display the warning message as the Windows client does.

Defect **AM115173933** (Support case **4608811773**)

Application	Asset Manager Web client
Symptoms	The records are not always sorted correctly when accessed through the link of another table.
Description	<p>The following steps reproduce this issue:</p> <ol style="list-style-type: none"> 1 Select Portfolio management/ IT/ Software installations to display the List of software installations. 2 Select Model as the filter criteria. 3 Click <input type="checkbox"/> behind the Model field to display the List of Models. 4 Click Name on the table head to display the models in ascending order. 5 Click Name again to display the models in descending order. <p>In step 4 and step 5, the records are not sorted correctly.</p>

Resolution The table linked from another table is now sorted correctly.

Defect [AM112516541](#) (Support case [4606531595](#))


Application	Asset Manager Web client
Symptoms	The Enter key is not functioning properly in the calendar widget on Web client.
Description	<ol style="list-style-type: none">1 Select a record from the Organization/ Employees table, and click Modify2 Click  to display the calendar widget, press Enter. Pressing Enter in the calendar widget would save the whole record which is improper.
Resolution	When you move the mouse over a day in the calendar widget, pressing Enter closes the widget and displays the corresponding date value.

Defect [AM151296](#) (Support case [4608104211](#))

Application	Asset Manager Web client
Symptoms	Asian characters cannot be entered in the combobox of a wizard on a customer's database.
Description	<p>The AutoCompletion starts before user has completed entering the Asian characters, the combobox keeps the AutoCompletion value instead of the characters entered, even after confirming the selection.</p> <p>Tip:</p> <p>A combobox is a combination of a drop-down list and a single-line textbox, allowing the user to either type a value directly into the control or choose from the list of existing options.</p>
Resolution	<p>A Javascript problem has been fixed and now works with Microsoft Input Method Editor (IME) so that Asian characters can be entered normally in combobox.</p> <p>Note:</p> <p>As javascript might be cached in the web browser, customers need to clear the browser cache after installing the new build.</p>


Defect [AM1228152053](#) (Support case [4607007409](#))

Application Asset Manager Windows client

Symptoms	The behavior of TAB key is inconsistent in the listbox control of a wizard.
Description	<p>Note:</p> <p>This problem occurs only when:</p> <ul style="list-style-type: none"> ■ There are large number of records in the listbox which needs a scroll bar to display all of them. ■ There is an editable column in this listbox. <p>The following uses an example to demonstrate this problem:</p> <ol style="list-style-type: none"> 1 Click New in the amAction table (Administration/ Actions). 2 Enter/select the following values for the fields: <ul style="list-style-type: none"> ■ Name: AM1228152053test ■ Context: (No table) ■ Type: Wizard 3 Select the Wizard tab and switch to text editing mode by clicking A, enter the following scripts: <pre style="border: 1px solid black; padding: 5px;">Name = "Wizard" Version = "8301" { Page PAGE1 { ListBox LISTBOX1 ColTitle = "Name FirstName Field1" Editable = "0 0 1" Value = "" Values = amdbGetStringEx("Select Name, FirstName, Field1 from amEmplDept ORDER BY lEmplDeptId", " ", ",", "=") } } { Finish FINISH }</pre> 4 Click Modify to finish the creation. 5 Click  to test the wizard. <p>Entering tab after modifying Field1 of a record might cause different results:</p> <ul style="list-style-type: none"> ■ If the first record of the list is selected for the listbox, entering tab would move the cursor to the next record of the listbox. ■ If a record at the bottom of the list (displaying the next record would cause the scroll bar to appear) is selected, entering tab would move the cursor to a random record of the listbox.
Resolution	Entering tab now moves the cursor to the next record.

Defect [AM121614758](#) (Support case [4607716760](#))

Application	Asset Manager Windows client
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Symptoms	The conditional mandatory field Classification code cannot be filled in amCatRef table (Catalog/ Catalog references), where it is mandatory according to the condition scripts.
Description	<p>The following describes the issue in detail.</p> <ol style="list-style-type: none"> 1 In the amCatalog table (Catalog/ Catalogs), select an existing catalog and select UNSPSC for Classification standard, click Modify. 2 Select the References tab and click + to add a new catalog reference. 3 In the Catalog reference screen, where Classification code is mandatory, the drop-down list of this field is empty. <p>Note:</p> <p>This problem happens wherever condition scripts of Classification code contain TableName:Link:Field. This condition would be evaluated incorrectly in some cases.</p> <p>The Mandatory property of Classification code can be retrieved in Asset Manager Application Designer.</p> <ol style="list-style-type: none"> 1 Select the Catalog references (amCatRef) table from the left navigation tree. 2 Select View/ Links to display all of the links. 3 Select the link Classification code and click the Scripts tab. 4 Click  behind Mandatory to display the condition scripts.
Resolution	<p>The value of Classification standard can be selected from the drop-down list normally now.</p> <p>This problem is also fixed for other conditional mandatory fields which contain TableName:Link:Field in their condition scripts.</p>

Defect **AM109105634** (Support case **4602816218**)

Application	Asset Manager Windows client
Symptoms	Several Web Services are unavailable (the generated WSDLs cannot be opened) on a specific database although the Web Services were tagged without errors.
Description	When one Web Service contains a reference of another Web Service which is not exposed, the WSDLs of such a Web Service cannot be opened.

Resolution	Tagging Web Service which contains a unexposed reference is prevented.
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Defect **QCCR1E51747** (Support case **4610455208**)

Application	Asset Manager Windows client
Symptoms	Cannot delete a screen with empty Screen set property.
Description	It is impossible to delete a screen with empty Screen set property. Tip: The Screen set property can be edited/retrieved in Application Designer. The deleted screen will be re-generated upon updating the database structure and re-connecting to the database.
Resolution	For screens without Screen set property which were created in previous versions of Asset Manager, they can now be deleted without errors. In subsequent versions, Screen set will be a mandatory field when creating a new screen.

Defect **QCCR1E52796** (Support case **4612165495**)

Application	Windows Client
Symptoms	The actual capacity of the floating license is not consistent with what is defined in the license
Description	A maximum of 20 users whose access type is floating can log in the Windows client.
Resolution	Change code to use the correct value defined in the license.

Enhancements and fixes introduced in version 5.20

The following defects were fixed as part of this release, in addition to those in the previous release:

Defect **AM216143635** (Support case **1603163811**)

Application	Asset Manager Web client
Symptoms	The sysCoreWebServiceCheck(Check definitions of the Web services...) wizard doesn't provide clear message of Web client's connection failure in some conditions.

Description	Customized database might prevent Web client connection if a non-existent field is used in some customer wizard, but it doesn't give the real cause of such connection failure even when running the sysCoreWebServiceCheck wizard.
Resolution	The sysCoreWebServiceCheck now logs clear message to help customers to fix the database content.

Defect **AM42418384** (Support case **1604716996**)

Application	Asset Manager clients
Symptoms	The purchase order can be created successfully through sysProcRequestGenPOrder wizard even the product validity has expired, the dtEndValidity (End of Validity) is not checked before creating the purchase order.

Description

The purchase order should not be created if the product has passed its end date of validity. However, when selecting **Choose from a catalog or a supplier** in the **sysProcRequestGenPOrder** wizard, the purchase order would be created without validating the **dtEndValidity**.

Tip:

The **End of Validity** of a product can be retrieved from **amCatRef** table (**Catalog\ Catalog references**).

Tip:

The following takes Pavilion Notebook zd7300EA (**Model**: Compaq zd7300EA, **End of Validity**: 16/03/2008) of demo database as an example to demonstrate this issue:

- 1 Create a new purchase request in **amRequest(Procurement\ Purchase Request)** table.
- 2 Select the **Composition** tab, enter the following values: **Model**: Compaq zd7300EA, **Reference**: CI000549 - Pavilion Notebook zd7300EA - (Interleasing).
- 3 Change **Req. Status** from **In preparation** to **Validated**.
- 4 Click **Quote/PO** in the **amRequest** table to create a purchase order based on current request.
- 5 Choose the type of request: **Generate a purchase order**, click **Next**.
- 6 Generate a purchase order: **Take all lines into account**, click **Next**.
- 7 Select the lines to take into account: check **Choose from a catalog or a supplier**, select the Pavilion Notebook zd7300EA record, click **Next**.
- 8 Choose from a supplier or catalog: **Select from a supplier**, click **Next**.
- 9 Select from a supplier: Interleasing, click **Next**.
- 10 Modify the reference used by the request: click **Next**, then **Finish**.

The purchase order is created successfully which is impossible.

Resolution

The values of **dtEndValidity** and **dtStartValidity** are checked when creating the purchase order.

Tip:

If **dtEndValidity** is NULL, the reference would be considered valid without end date limitation.

Defect **AM513193243** (Support case **3605800616**)

Application

Asset Manager Windows client

Symptoms	Archival operation might cause duplicate archive records inserted on certain customized databases.
Description	In certain conditions, archiving a record could cause abusive inserts of duplicated and wrong records in the archive table.
Resolution	Archive function has been fixed to prevent redundant inserts in archive repository.

Defect **AM618115819** (Support case **3606064516**)

Application	Asset Manager Web client
Symptoms	Designing a screen's main list with invalid column(1-n link) would cause it to silently display a wrong list of records with no warning message.
Description	When a screen's main list contains a column of 1-n link, then, the displayed result might be erratic because any record taken from the linked items could be included in the list. For example, in the main list of Employees screen , we should not display a link such as ItemsUsed because it may link more than one item to the employee. Instead, you could use the link MainPC because each user has at most 1 main PC.
Resolution	WebService checking function will now report such screen design anomalies, and allow customer to detect and fix the problem in advance.

Defect **AM33164230**


Application	Asset Manager Web client
Symptoms	Difference exists between windows and web clients in the wizard Solve Software Compliancy Issues ...
Description	In the Solve Software Compliancy Issues ... (Portfolio Management\ IT\ Licenses) wizard, some of the listed Software Counters in Windows client doesn't appear in Web client.
Resolution	System filter in Web client is added to make Web client consistent with Windows client.

Defect **AM211162513** (Support case **525519, 3605688785**)

Application	Asset Manager Windows client
Symptoms	Detaching document from linked record doesn't work.

Description	In the Document tab of a record, click Detach , then Modify to commit the operation. The value of Stored in the database remains Yes and Size in the database remains the same, which indicates that the document is not detached.
Resolution	Detaching operation is now fixed. A "save as" dialog would pop up when detaching a document, the document would be dumped from database after confirming the "save as" dialog.

Defect **AM78173211** (Support case **1605374272, 4601759358**)

Application	Asset Manager Windows client
Symptoms	The modification to the attached document of a record in amPortfolio table is lost even after confirming that the changes would be integrated to the database.
Description	<p>The procedure of modifying the attached document of an amPortfolio record is as follows.</p> <ol style="list-style-type: none"> 1 Select the record from the amPortfolio table. 2 Select the Document tab to display the details of the attached document. 3 Click Run, and select Yes in the pop-out dialog box which displays: <div data-bbox="582 869 1306 951" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>Would you like to integrate the changes that your are going to make to the document in the database?</p> </div> 4 Modify and save the document. 5 Close and Run the document in the Document tab again, notice that the previous change is lost. <div data-bbox="582 1067 1306 1223" style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p> Note: The Run button is deactivated after you saved the document. You need to access the Document tab again to check the document.</p> </div>
Resolution	Modification to the attached document is now saved correctly in the database.

Defect **AM52618188** (Support case **3605905262, 4601125291**)


Application	Asset Manager Windows client
Symptoms	Text field values may be handled improperly in certain situations when exported to Excel.

Description	Text field value which can be interpreted as numeric value may be handled improperly when exported to Excel. The reason is Excel would automatically try to promote the column type to a more specific type. This property of Excel will cause symptoms such as trailing zeroes removal ("0001" becomes "1") and exponent notation ("540322155487" becomes "5.48792E+13").
Resolution	Exporting to Excel has been fixed to force use of Excel formulas in order to eliminate inconsistency resulting from type promotion.

Defect **AM7810589** (Support case **574033**)

Application	Asset Manager Windows client
Symptoms	when exporting a table with a column value begins with " (double quote) to Excel, all subsequent exported data goes to the same cell.
Description	When text data to export starts with double quote, Excel recognizes it as the starting data for a cell. Excel would push all subsequent data to the same cell until it meets the closing double quote.
Resolution	This problem has been fixed to avoid exporting been disturbed by double quote and some other special characters in Excel.

Defect **AM84143618**

Application	Asset Manager Windows client
Symptoms	When exporting a list to a file as below, the exported data may contain the same character as the column separator, thus the file may be unsuitable for use as input for another application, for example, for importing into Microsoft Excel . <ol style="list-style-type: none"> 1 Right click in the main list and select Utilities/ Export the list. 2 Select File and specify the file path. 3 Select a separator from the Separator drop-down list. <div style="border: 1px solid #ccc; background-color: #f9f9f9; padding: 5px; margin-top: 10px;"> <p> Note: Options for the separator include , ; . and tab.</p> </div> <ol style="list-style-type: none"> 4 Click Export.

Resolution	When exporting a list to a file, the Export list tool will now force quotes (and quotes escape) to exported text (for example, ABCD"1234 is now exported as "ABCD"1234). This removes the risk of confusing exported data with the column separator.
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Defect **AM61914935** (Support case **2607555382**)

Application	Asset Manager Web client
Symptoms	Impossible to open the record in the Workflow tasks screen under Workflow domain on a specific database. Cryptic error message: <code>message java.lang.NullPointerException</code>
Description	The error lies in that the displayed screen name is different from the table name.
Resolution	Clearer error message is provided to help identify and solve the problem.

Defect **AM78175839** (Support case **1605388311**)

Application	Asset Manager Windows client
Symptoms	The autocompletion function of Linkedit control stops working in Oracle if the entered value contains underscore.
Description	Normally, the Linkedit field will be automatically filled with the existent value that contains the texts you have entered. However, this function is disturbed when the entered value contains underscore. For example, type slowly "As" (since the autocompletion function has delay time) in the Location field of amPortfolio table, then the existent "/Asiapacific" would display automatically in the field. However, type "TS_", even it matches with the existent "TS_AR_BUENOSAIRE...", the autocompletion would not take effect.
Resolution	Code was changed to correctly handle this situation so underscore is not interpreted as SQL wildcard.

Defect **AM731183327** (Support case **AM11215440**)

Application	Asset Manager Windows client
Symptoms	The vertical scroll bars of some screens' detail part are not displayed properly.
Description	The vertical scroll bar appears although there is enough room to display all the controls without scrolling.

Resolution	The vertical scroll bar is eliminated where there is enough room to display all the controls.
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Defect **AM3218226** (Support case **727249, 1604922890**)

Application	Asset Manager Windows client
Symptoms	Error arises when sorting the amPortfolio records by the calculated field f(x) Intrinsic availability (%) (cf_pIntrinsicAvail) .
Description	In the amPortfolio table, select Utilities/ Configure list... from the context menu, add the f(x) Intrinsic availability (%) (cf_pIntrinsicAvail) field to display this column in the table. The error would arise after confirming the configuration and sorting the records by this field.
Resolution	Sorting records by calculated fields would no longer trigger error.

Defect **AM528174619** (Support case **1604786212, 1604798281**)

Application	Asset Manager Windows client
Symptoms	Modification may fail when performed on multiple records in amPortfolio table.
Description	Performing modification in batches would trigger error. The error message is: <pre>[Thrd#:4052](-2009) Since it is no longer in stock, you must specify an assignment (in-service date) for this asset. ('Line 2 of script ''Validity' of table 'amPortfolio (Portfolio items)''') [Thrd#:4052](-2009) Unable to modify ' (AssetTag: ???) (Mandator: Name-IT_000000000002)' in table 'amPortfolio (Portfolio items)'.</pre>
	This error is resulted from the IsValid or the Mandatory scripts.
Resolution	Multi-selection validity check is fixed to ensure that each record is verified correctly.

Defect **AM826173158** (Support case **4601104413**)

Application	Asset Manager Windows client
Symptoms	Creating a telephone item within amPortfolio screen could fail in certain circumstances.

Description	<p>When amPhone table contains a mandatory field, leaving the mandatory field blank would prevent correct creation of telephone record, the error displays as:</p> <pre>[Thrd#:10896](-2009) Field 'Number (PhoneNum)' in table 'Telephones (amPhone)' cannot be empty. [Thrd#:10896](-2009) Unable to create ' Digital Telephones (PH0002307: 003777)' in table 'Portfolio items (amPortfolio)'.</pre> <p>When trying a second time with mandatory field filled, new error arises:</p> <pre>[Thrd#:11604](-2003) Unable to read a record. Possible causes are: -you don't have the necessary user rights, -the record has been deleted, -the database is incorrect (broken link). You can try updating with the REFRESH command (F5).</pre>
Resolution	Leaving mandatory field of amPhone blank would no longer put the amPortfolio screen in a unrecoverable corrupted state.

Defect **AM91612501** (Support case **4602816218**)

Application	Asset Manager Web client
Symptoms	WPP out of memory error arises when trying to start webService on a customer's database.
Description	The bug occurs on databases containing customer extensions such as new screens, new domains and new actions.
Resolution	Fixed.

Defect **AM923154758** (Support case **4601729473**)

Application	Asset Manager Web client
Symptoms	The drop down list is not displayed properly on web client.
Description	This case was initially raised in Defect AM77204417 (Support case 2608650351), where this defect was detected in an Itemized list type field. Now the problem reoccurs in the Link field.
Resolution	Javascript has been added to properly work around the IE bug and prevent the drop-down control from hiding the suggestion list.

Defect **AM72913574** (Support case **1604786212**)

Application	Asset Manager Windows client
Symptoms	Modifying multiple records at the same time fails.

Description	<p>This problem may occur under the following conditions:</p> <ul style="list-style-type: none"> ■ You co-select too many records ■ You display the records using the List and detail view of a screen <p>Example of error message:</p> <pre>Unable to modify ' (AssetTag: ???) (Mandator: Name-IT_000000000002)' in table 'amPortfolio (Portfolio items)'.</pre>
Resolution	The software has been modified so that error conditions no longer occur in the above circumstances.

Defect **AM68135931** (Support case **1604763394**)

Application	Asset Manager Web client
Symptoms	It is impossible to login to the Asset Manager Web client and to display the WSDL of some Web services.
Description	<p>This problem appears when you add a link to page that is part of the default screen of a table and the screen is associated to a functional domain that it is not exposed by any Web service.</p> <p>A functional domain is not exposed under either of the following conditions:</p> <ul style="list-style-type: none"> ■ The functional domain's Web service (seWebService) field has the value none. ■ The functional domain's Web service (seWebService) field has the value From within parent domain and it is linked to a parent for which the Web service (seWebService) field has the value none.
Resolution	An error message now clearly states which screen is not exposed via Web Services. To fix the problem, you should make sure that the functional domain of the screen is exposed by the Web services; change the value of the Web service (seWebService) field of the functional domain or of its parents.

Defect **AM117195235** (Support case **1602663598**)

Application	Asset Manager Web client
Symptoms	Filtered client views in the Asset Manager Web generate unhelpful '500 server errors' such as cannotApplyFilter and failed to update list state.
Description	The problem appears when you generate a view by applying a filter to a database table linked to a domain (such as Portfolio Management/Telephony), when the filter does not specify the appropriate domain.

Resolution	An error message now clearly states that a problem was encountered with a domain/service URL. To fix this, you should make sure that the filter references the appropriate functional domain.
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Defect **AM617165055** (Support case **1604865414**)

Application	Asset Manager clients
Symptoms	Portfolio items are not always merged as they should be, based on Asset Tag (AssetTag) matching.
Description	When the Portfolio Items (amPortfolio) table contains denormalized data, portfolio item records may not be merged correctly by the CAssignmentMergeAgent agent after a reversion of status from In Use to In stock , as the Asset tag (AssetTag) is not correctly matched.
Resolution	When you try to merge data by changing its status back to In stock , less stringent error checking for denormalization is performed by the CAssignmentMergeAgent agent. <ul style="list-style-type: none"> ▶ For further details of how the CAssignmentMergeAgent agent works, see the Automatic software mechanisms guide, Portfolio Items table (am Portfolio) chapter, Agents section.

Defect **AM617145555** (Support case **2608253324**)

Application	Asset Manager Web client
Symptoms	When duplicating a record through the Asset Manager Web client, some fields retain the original value of the original record instead of being emptied.
Description	Fields for which there is no default value but which have the property Reapply default value on duplication should be emptied when a record is duplicated.
Resolution	All fields are now correctly treated when a record is duplicated via the Web client (as per functionality in the Windows client).

Defect **AM62214450** (Support case **3606122399**)

Application	Asset Manager Web client
Symptoms	When you run a wizard that uses a DBQueryBox control, in the Asset Manager Web client, errors may be generated.

Description	In the above circumstances, the DBQueryBox control returns a string in which the selected ID is duplicated (Example : "456,456"). This in turn leads to SQL parse errors when the DBQueryBox value is used in a query, as in the following example: <pre>AmDbGetString("SELECT SEASSIGNMENT FROM amPortfolio WHERE la stid = " & {MyQueryBox.Value})</pre>
Resolution	The control no longer returns duplicate strings.

Defect [AM101117632](#) (Support case [2606698924](#))

Application	Asset Manager API
Symptoms	When using HP Connect-It to create invoice lines, the Tax amount (mTaxValue) is not saved, even if HP Connect-It has set a field value.
Description	Values for the Tax amount (mTaxValue) are ignored by the API.
Resolution	All values are now correctly saved to invoice line records.

Defect [AM420172529](#) (Support case [3605536163](#))

Application	Asset Manager Windows client
Symptoms	In main lists, when you use the Go to.. widget, SQL errors may be generated.
Description	In standard List/Detail screens, using the Go to.. widget (from the contextual menu) to find a record may generate an SQL error, depending on the currently sorted column. It works correctly only when the currently sorted column is a direct field (does not contain a link) and is of data type CHAR (character).
Resolution	The Go to.. widget now interprets the specified value more intelligently, rather than just using the raw text.

Defect [AM1216182651](#) (Support case [3604186736](#))

Application	Asset Manager Web client
Symptoms	When you click a record from the Portfolio items (amPortfolio) or Model (amModel) screens in the Web client, the following error is generated: <pre>Error: Webservice: Unable to complete operation in current state.; nested exception is: org.xml.sax.SAXParseException: Character reference "&#2" is an invalid XML character</pre>

Description	Following certain changes generated by scripts or database migration, characters not in the XML character set can be encountered by the Web client. These characters (such as currency symbols) cause the error because they are not supported in the code.
Resolution	Characters not in the XML character set are now processed to avoid the error.

Defect [AM61817573](#) (Support case [2608069799](#))

Application	Asset Manager Web client
Symptoms	An error occurs when you use the DistantDet graphic control (display control for a remote detail) in a link in combination with a WhereCond property. Code example: <pre>Location DistantDet="usramLocation" Id="1" WhereCond="((Parent.BarCode<='99') AND (Parent.BarCode>'00'))AND(usrDisposFlg=0)"</pre> <p>Using such a link should allow you to modify the location of a Portfolio item (amPortfolio) record and to have the list of locations displayed in tree view. However when you try to pick a location, an error is generated.</p>
Description	A location cannot be selected from a detail list on a Portfolio item when the link-edit list is in tree view. The f:param tag for JSF components is not compatible with the Ajax technology used by the Web client.
Resolution	Code has been changed to prevent this problem.

Defect [AM62615231](#) (Support case [1605386443](#))

Application	Asset Manager Automated Process Manager
Symptoms	Automated Process Manager generates expense lines in an infinite loop on certain databases.
Description	When the hidden field Split operation status (seSplitStatus) on a record of the Expense lines (amExpenseLine) table is set to Not split , these are flagged for splitting by Automated Process Manager's Cost center module (task Split expense lines in cost centers). For certain databases, this would enter an infinite loop generating further expense lines.
Resolution	Expense lines are now split correctly.

Defect [AM630151138](#) (Support case [3606108364](#))

Application	Asset Manager Windows client
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Symptoms	When you configure LDAP to use SSL authentication, LDAP fails to connect to an SSL certificate specified with a fullpath (for example c:\certificates\cert.sll). This generates the following errors: 02001002:system library:fopen:No such file or directory .\c rypto\bio\bss_file.c:104 error:2006D080: BIO routines: BIO_new_file: no such file .\cry pto\bio\bss_file.c:107 error:0B084002:x509 certificate routines:X509_load_cert_crl_ file:system lib .\crypto\x509\by_file.c:274
Description	am.exe cannot locate the path to the SSL certificate, thus LDAP authentication fails. This was caused by a fault in HP Connect-It's unicode codepage.
Resolution	HP Connect-It's unicode codepage has been modified so that a path specified to the SSL certificate is now correctly interpreted.

Defect [AM72143730](#) (Support case [3606283081](#))

Application	Asset Manager Windows client
Symptoms	E-mails sent through the VIM protocol are received with garbled body text.
Description	The body text of the received e-mail is garbled if the e-mail is sent through the VIM protocol by running an action.
Resolution	E-mails sent via the VIM protocol no longer have garbled body text.

Defect [AM716141039](#) (Support case [4600764774](#))

Application	Asset Manager Windows client
Symptoms	Cannot detach or modify the attached document.
Description	When a document is attached to an item, no action is performed after clicking Detach . Clicking Run opens the document in case of a text type document, but no modification can be saved.
Resolution	The Detach and Run buttons are now functioning properly.

Defect [AM48145833](#) (Support case [1604318178](#))

Application	Asset Manager Web client
Symptoms	When a screen has a page type MyLink.pgDistantPage , the content of pgDistantPage may not appear in the Web client.

Description	When a screen page is created with a single field of type MyLink.pgDistantPage , then, if pgDistantPage contains a list of redirection to other pages instead of normal fields, then the content of pgDistantPage could not appear in the Web client.
Resolution	The Web is now able to display the complete set of pages contained in the pointed distant detail.

Defect **AM7620355** (Support case **2607486642**)

Application	Asset Manager Windows client
Symptoms	The client crashed randomly when displaying the list of views using the toolbar icon.
Description	Application crash might occur when trying to display a views table which contains more than 200 records via the toolbar icon.
Resolution	The Windows client does not crash anymore when displaying more than 200 records in the views list using the toolbar icon.

Defect **AM71144331** (Support case **2608675271**)

Application	Asset Manager Web client
Symptoms	When you display a main list of records in tree view and without applying a filter, only a maximum of 20 sub-records were displayed for each parent record.
Description	There was no way to increase the number of sub-records to display in such lists.

Resolution

A new parameter **maxTreeListChildCount** is introduced in `package.properties` to configure the maximum number of sub-records each record can show in the tree view of main list when no filtering is applied. This parameter defaults to 200.

Warning:

Using too large a value for the **maxTreeListChildCount** parameter may cause slow page load times and in extreme cases appear to cause the browser or web client to stop responding.




Note:

When applying a filter to a list of records displayed in tree view, all the sub-records that match the filter condition will be displayed. There is no limitation to the number of sub-records that can be shown in this case.



After editing the **maxTreeListChildCount** parameter in the `package.properties` file, use the deployment script (`build.bat` or `build.sh`) to deploy it.


► For more details about how to deploy the `package.properties` file, see the **Installation and Upgrade** guide, chapter **Installing, configuring, removing and updating Asset Manager Web**, section **Installing Asset Manager Web/ Installing Asset Manager Web Tier**.

Defect **AM7219137** (Support case **2608674264**)

Application	Asset Manager Web client
Symptoms	After duplicating a record, selecting a record from a linked table using the  control sometimes reset all modifications to the duplicated record if the modifications were not saved using the Save button beforehand.
Description	The workaround was to save the duplicated record before using the  control.
Resolution	The bug has been fixed. Selecting a linked record using the  control no longer resets unsaved changes.

Defect **AM7318713** (Support case **2608674512**)

Application	Asset Manager Web client
Symptoms	When creating a record, selecting a record from a linked table using the  control sometimes generated an error message.
Description	The workaround was to save the newly created record before using the  control.

Resolution	The bug has been fixed. Selecting a linked record using the  control no longer generates error message.
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Defect [AM72105049](#) (Support case [3606255581](#))

Application	Asset Manager Windows client
Symptoms	Sometimes error message appears when you try to locate a record using the Go to... menu, as follows: <ol style="list-style-type: none"> 1 In the main list, sort on the column that you want to use as the criteria to locate a record. 2 Right click in the list and select the Go to... menu. 3 Enter or select a value and click the Go to... button.
Description	Error example: <p>ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]C onversion failed when converting the varchar value 'xxx' to data type int. SQLState: 22005</p> <p>This is likely to occur when the list is sorted on a link rather than a field.</p>
Resolution	The error message doesn't display when using the Go to... menu to locate a record.

Defect [AM715184745](#) (Support case [2608675133](#))

Application	Asset Manager Web client
Symptoms	The suggestion list of a link or itemized list within a filter definition area does not appear under the text input box but at the top of the filter area.
Description	This defect occurs when attempting to specify a filter condition for a list.
Resolution	The suggestion lists now appear under the text input boxes.

Defect [AM77204417](#) (Support case [2608650351](#))

Application	Asset Manager Web client
Symptoms	When an itemized list field receives focus, its dropdown list is displayed below the text input box. However, if there is a drop-down type field underneath the displayed itemized list, the drop-down control will appear on top of the itemized list, hiding part of the list.

Description	The defect happens because the control used in the Web to render the itemized list contains a bug that does not properly work around the underlying IE bug.
Resolution	Javascript has been added to properly work around the IE bug and prevent the drop-down control from hiding the suggestion list.

Defect [AM63121629](#) (Support case [3605399826](#))

Application	Asset Manager Web client
Symptoms	The following problems occur for a type of link which triggers page refresh when the focus is moved outside the link. <ul style="list-style-type: none"> ■ If you type a string which matches the beginning of some records (but does not fully match an item in the linked table), and then move the cursor elsewhere before autocomplete is triggered, the system didn't delete the invalid value that you had just typed. Rather, the link field was populated with a record from the linked table. ■ If you delete a value in some link fields and moved the cursor elsewhere before autocomplete is triggered, the old value returned after the page is refreshed or saved.
Resolution	The behavior of these fields has been corrected.

Defect [AM6518115](#) (Support case [1604756646](#))

Application	Asset Manager Application Designer
Symptoms	Function AmIsScreenSet was detected as undefined while checking validity of records because some internal APIs were missing from the scripting engine.
Description	Example of error message: <pre>(-53) Sub or function 'amIsScreenSet' not defined. ('Line 10 of script 'Validity' of table 'User roles (amMasterProfile)')</pre>
Resolution	Checking the validity of records doesn't generate error message.

Defect [AM97172355](#) (Support case [4601125291](#))




Application	Asset Manager Windows client
Symptoms	When exporting a list to Excel, text which starts with zero is truncated.

Description	When exporting data to Excel by using the Utilities/ Export the list contextual menu on the main list, text type column containing only digits (for example, an AssetTag value 0001234) was interpreted as numeric by Excel. This caused Excel to remove starting zeroes and display only trailing significant data (for example 1234 instead of 0001234).
Resolution	The Export list tool will now force Excel to interpret text data as text by means of an Excel formula (For example, 0001234 is now exported as =T("0001234")).

Defect **AM831688** (Support case **2608675573**)

Application	Asset Manager Windows client
Symptoms	Counters increment unexpectedly when the applied filter returns no results.
Description	If you open a screen which has a preliminary query wizard, and fill in the wizard in a way that ends up with an empty screen list result, some screens (for example amPortfolio) increment counters which are usually triggered for filling default values for a new record.
Resolution	The bug is fixed now.

Defect **AM625193150** (Support case **3605944827**)

Application	Asset Manager Windows client
Symptoms	Using the  button may populate the new duplicated record with unexpected data.
Description	In a detail with filter applied, when creating a new record which does not match the current filter, using the  button will populate a new editable duplicated record with data matching the filter instead of data duplicated from the initially created record.
Resolution	Using the  button does not populate unexpected data anymore.

Defect **AM721162233** (Support case **4601696358**)

Application	Asset Manager Web Service
Symptoms	Asset Manager Web Service may crash when a screen contains a page with distant linked detail.

Description	When a screen contained a page redirecting to a distant detail which contained a filter using the AmDbVal() function, the web service could break with error: field 'xxx' unknown 'xxx:' (table 'xxx')
Resolution	Asset Manager Web Service has been corrected.

Defect [AM716143431](#) (Support case [2608223139](#))

Application	Asset Manager Windows client
Symptoms	If a screen contained pages from two overflow tables, and the statuses (like mandatory, irrelevance etc...) of some field on one table were defined by scripts and had dependency on a field of its overflow table, these scripted statuses were not immediately updated when the value of the corresponding field on the overflow table had changed.
Description	For example, if the mandatory property of FIELD1 on the asset page was defined using this script: Retval = (PortfolioItem.User.Name='Admin') then setting user Admin on the general page of the Portfolio Item screen did not cause FIELD1 to become mandatory (red) on the Asset page.
Resolution	The problem has been corrected.

Defect [AM52716203](#) (Support case [1605073543](#), [4601730065](#))

Application	Asset Manager clients
Symptoms	When the state (value of the Assignment field) of a portfolio item changed from in stock to in use , the value of the in-service date field was overwritten with the current date.
Resolution	The in-service date will now be populated with the current date only when the field is empty before the state changes.

Defect [AM83182636](#) (Support case [1605410197](#))

Application	Asset Manager Windows client
Symptoms	When clicking a link from the Functions/ Favorites tab on the left navigation bar, the clicked link did not stay highlighted after it lost focus.
Description	This problem may cause the users to lose track of what they have selected.

Resolution	The clicked link stays highlighted after losing focus.
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Defect [AM9917245](#) (Support case [3602759750](#))

Application	Asset Manager Windows client
Symptoms	On the Stock rules (amStockRule) table, the Quantity of requests in progress (renamed as Quantity requested but not received) query calculator didn't take into account and reflect the stock items reserved and items already received.
Resolution	The query formula is modified to correct the problem.

Defect [AM715213019](#) (Support case [4600025744](#))

Application	Asset Manager Windows client
Symptoms	On the main list of some screens, when selecting multiple records using Ctrl-click, a save confirmation popup message and the modify button appeared when the third record was selected.
Description	The problem occurred when the client was connected to a UNICODE database.
Resolution	The error message and modify button don't appear during multi-selection.

Defect [AM617164835](#) (Support case [2608367829](#))

Application	Asset Manager Web client
Symptoms	The value of the Code field incremented twice instead of once when creating a portfolio item through the Web client.
Description	When a screen contained fields whose default value used the Am-Counter() function, then, creating a new record through this Web screen triggered 2 calls to the default value calculation which in turn, incremented the Counter twice instead of once.
Resolution	The behavior of the field is normal now.

Defect [AM820155328](#) (Support case [4602248252](#))

Application	Asset Manager Application Designer
Symptoms	It was not possible to add a link of type Comment using Asset Manager Application Designer.

Description	When trying to add a link of type Comment to any table, Asset Manager Application Designer displayed the following error in a popup box: target table of the 'comment' type link must have the same structure as table 'Comment'
Resolution	This message now serves as a warning rather than an error, and does not prevent you from adding a link of type Comment .

Defect **AM729202533** (Support case **4601168956**)

Application	Asset Manager Windows client
Symptoms	It was not possible to duplicate a record in the Requests (amRequest) screen.
Description	Duplication did not work the Requests (amRequest) screen. Instead, the following duplicate error was displayed: ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]C cannot insert duplicate key row in object 'amFVReqLine' with unique index 'FVReqLine_lReqLine'. SQLState: 23000
Resolution	It is now possible to duplicate records on this table.

Defect **AM618182452** (Support case **2608352385**)

Application	Asset Manager Windows client
Symptoms	When exporting a list of records to a text file, some column separators were sometimes omitted.
Description	When the last column contained no data, the last separator character was not written to the exported file.
Resolution	Column separators exported correctly.

Defect **AM62317301** (Support case **1604798281, 4601724020**)

Application	Asset Manager Windows client
Symptoms	Modification of a comment did not work during a multiselection.
Description	After performing a multiselection, trying to edit a comment field often caused an error and the selected records were not updated with the new data.

Resolution Comments can now be edited during a multiselection.

Defect [AM825182419](#) (Support case [4602623972](#))

Application	Asset Manager Windows client
Symptoms	Asset Manager misaligned records displayed in a list view if one field value included a TAB character.
Description	When data displayed in a field included in a main list contained a TAB character, this resulted in column skipping, and all subsequent column values were displayed with an offset.
Resolution	TAB characters no longer cause column-skipping.

Defect [AM826191538](#) (Support case [4601757774](#))

Application	Asset Manager Windows client, Asset Manager Web Client
Symptoms	When creating a software counter using a template through the Create a software license management counter... (sysSamCreateSoftwareCounter) wizard, the rights query embedded in the template was not reflected in the new software counter.
Description	The query embedded in the template (for rights counting) was not taken into account while building the query for the new counter.
Resolution	The template now adds the query to new software counters.

Defect [AM730161019](#) (Support case [4601034253](#))

Application	Asset Manager Windows client, Asset Manager Web Client
Symptoms	When unlinking software installations from a portfolio item through the Link/unlink an installation to/from a portfolio item... (sysCompactInstall) wizard, if total size of the affected software installations is more than 100k, the operation takes a long time to complete.
Description	The delay was caused by the wizard setting a flag for each affected software installation, one by one rather than by batch.
Resolution	The No portfolio for inst. (bCompact) field for the affected software installations is now updated (set to =1) by batch.

Defect [AM62173517](#) (Support case [3605399826](#))

Application	Asset Manager Web Client
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Symptoms	The Web Link Edit Control could be reset with an incorrect value after an automatic page refresh.
Description	After selecting a value X in a Web Link Edit, reselecting another value Y could lead to a page refresh which in turn, restored the value selected initially (X) to the Web Link Edit.
Resolution	A Web Link Edit is no longer reset in this context.

Defect **AM827162257** (Support case **4602481837**)

Application	Asset Manager Web Client
Symptoms	When trying to open a domain schema such as PortfolioTypes.xsd , a 404 Error was generated but without any additional information.
Description	Domain schemas are generated from screen definitions and duplicate Element Names are not allowed in a Complex Type of a schema.
Resolution	If duplicate fields are encountered during schema generation, a new log is created at the Web Service level to explain the error, and an Internal Server Error (500) is displayed in the Web Service. The log contains details of the DocTypeName and the Property in the error.

Defect **AM81410844** (Support case **4601026376**)

Application	Asset Manager Asset Manager Application Designer
Symptoms	When trying to denormalize the Start (amFinancialYear:dStart) and End (amFinancialYear:dEnd) fields linked to the Budgets (am Budget) table, the following error occurred: DATETIME is unknown in table 'amBudget'
Description	This error was specific to fields of type Date where the DBMS was Microsoft SQL Server.
Resolution	Field handling in this context now works correctly.

Defect **AM78174721** (Support case **3606274537**)

Application	Asset Manager Windows client
Symptoms	In the detail of the Request lines (amReqLine) table, it was possible to select models whose Certified for the purchase request option was unchecked, which was not the expected behavior.
Description	The problem was due to the absence of a filter which should be defined for the amReqLine table.

Resolution	A filter is now applied so that the model is invisible when its Certified for the purchase request option is unchecked.
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Defect **AM9917245, AM414114830** (Support case **3602759750**)

Application	Asset Manager Windows client
Symptoms	On the Stock rules (amStockRule) table, the Quantity of requests in progress (renamed as Quantity requested but not received) query calculator did not take into account, and reflect in real-time, the stock items reserved and items already received.
Resolution	The query formula is modified to correct the problem.

Defect **AM78191437** (Support case **1605295545**)

Application	Asset Manager clients
Symptoms	Software counters generated from the Create a software license management counter... (sysSamCreateSoftwareCounter) wizard did not contain the LicModel filter clause from the counter template. Also, when the selected License type (LicType) was "Not defined" this was not treated as synonymous with a NULL value and thus the full set of License Models was not available for selection.
Description	Counters based on the template should inherit filter clauses from the template. Also, if the License type is "Not defined" this should be treated as NULL thus allowing any License Model (ModelType) to be selected for filtering.
Resolution	The wizard now inherits filters, and if the License type (LicType) is set to "Not defined" in the wizard this is treated as NULL.

Defect **AM72518821** (Support case **2601733754**)

Application	Asset Manager Web Client
Symptoms	Selecting a blank value in an ItemizedList control produced an error in Internet Explorer.
Description	When clicking a blank entry in the dropdown list of an ItemizedList control in Internet Explorer an error was produced.

Resolution	The underlying Javascript library has been corrected to prevent this error.
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Defect **AM512134446** (Support case **3604928690**)

Application	Asset Manager Application Designer
Symptoms	Migration of the Entitlements of the portfolio item (amRelEntitl-Portf) table resulted in loss of the corresponding content from amEntitlement:Assets.
Description	Migration of this table from AssetCenter 4.x was faulty.
Resolution	Migration now works correctly.

Defect **AM15204710** (Support case **1603404196**)

Application	Asset Manager clients
Symptoms	Help on fields was not displayed for features.
Description	Contextual help was not available on feature fields.
Resolution	This has been resolved.

Defect **AM102019350** (Support case **3603074573**)

Application	Asset Manager Windows client
Symptoms	When editing the a Portfolio item (amPortfolio), linked mandatory fields from the Assets (amAsset) table were not enforced.
Description	A mandatory field linked from a distant table was not enforced in this context.
Resolution	This issue has been fixed.

Defect **AM87123056** (Support case **4601818015**)

Application	Asset Manager Windows client
Symptoms	The hidden advanced option ReadDbbFromFile option did not work.
Description	This option in the debug section of amdb.ini did not work.

Resolution	This issue has been fixed.
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Defect [AM72819449](#) (Support case [1605389069](#))

Application	Asset Manager Application Designer
Symptoms	When migrating from AssetCenter 4.x., an error was encountered on the External identifier (ExtPfiId) field of the Portfolio items (am-Portfolio) table.
Description	This field did not exist the database in AssetCenter 4.x, and was filled with empty strings instead of NULLs in the migrated database, causing duplication errors because this field has an 'Unique or Null' index.
Resolution	This issue has been fixed.

Defect [AM102114595](#) (Support case [2602982962](#))

Application	Asset Manager Automated Process Manager
Symptoms	Asset Manager Automated Process Manager crashed during Workflow execution.
Description	This was related to saving instances in the database.
Resolution	This issue has been fixed.

Defect [AM827142315](#) (Support case [741058](#))

Application	Asset Manager Application Designer
Symptoms	When the DBMS is DB2, an error occurred when repairing Full name (FullName) fields on the IT equipment (amComputer) table.
Description	When repairing this field, the following error was produced: <pre>[IBM] [CLI Driver] [DB2/NT] SQL0433N value \"oe420server\$0000 000000000000122618.0000 \$" is too large. SQLSTATE=22001.</pre>
Resolution	This issue has been fixed.

Defect [AM115173234](#) (Support case [4000431668](#))

Application	Asset Manager Application Designer
Symptoms	A 'Type 14 undefined error' occurred when running a template in Asset Manager Application Designer.
Description	This was specific to UNICODE text fields.

Resolution	This issue has been fixed.
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Defect [AM21312474](#) (Support case [3605466468](#))

Application	Asset Manager Windows client
Symptoms	The Generate a purchase order (sysProcRequestGenPOrder) procurement wizard failed to create purchase orders correctly if the company name contained a comma.
Description	Example of company name causing this error: HP, B2B
Resolution	This issue has been fixed.

Defect [AM416154215](#) (Support case [3605583415](#))

Application	Asset Manager Windows client
Symptoms	It was possible to create a script with invalid code.
Description	When creating a script with invalid code, an error was flagged on the first attempt to save it, but it was accepted on the next attempt.
Resolution	An invalid script is consistently rejected and an error message is displayed at each attempt to save it.

Defect [AM5511488](#) (Support case [3605680323](#))

Application	Asset Manager Service Catalog
Symptoms	When features from the Demo database do not exist in a Customer database, Service catalog cannot generate request lines properly, and an error is generated in the ServiceCatalog log: <code>Error creating request 'web Service Test 3e' (id: ESS-XXXXX)</code> <code>"</code>
Description	When generating request items through Service Catalog, the Service Catalog log displays time out errors, and adbrog shows AQL queries containing rejected features.
Resolution	Upgrade Service Catalog to 5.20 or import missing features using <code>script \common\admtool.scr</code>

Defect [AM91171341](#), [AM915134719](#) (Support case [4601607913](#))

Application	Asset Manager Web Client
Symptoms	Oracle errors not visible when opening the Asset List in the Web client.
Description	Due to memory leaks in <code>aamapi51.dll</code>

Resolution	The leaks have been resolved.
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Defect **AM910174952** (Support case **4601719170**)

Application	Asset Manager Asset Manager Application Designer
Symptoms	When opening a database, the following error message occurred: Customization action 'ServiceCall' is duplicated. The second definition will be ignored."
Description	
Resolution	Fixed.

Defect **AM910202933** (Support case **4603534094**)

Application	Asset Manager Web Client
Symptoms	When trying to start the Asset Manager Web Service an out of memory error occurred.
Description	Insufficient memory was allocated to the tagged Web Service.
Resolution	The allocated memory has been increased.

Defect **AM831185343** (Support case **4601607913**)

Application	Asset Manager Web Client
Symptoms	When displaying history detail on a record from the Portfolio Items (amPortfolio) table in the Web client, performance was very slow.
Description	The index used to access the index was not accurate.
Resolution	Introduction of a new parameter in the connection string in amdb.ini.

Defect **AM824152935** (Support case **n/a**)

Application	Asset Manager scripting
Symptoms	The DateDiff function did not work properly with large time periods.
Description	N/a

Resolution Use the **DateDiffEx** function instead.

Defect **AM99171913** (Support case **4602017771**)

Application	Asset Manager Windows client
Symptoms	The Check definitions of the Web services... (sysCoreWebServiceCheck) wizard generates an error.
Description	When a screen contained a field that uses the AmdbVal function in the condition, defined on the current user (AmdbVal(CurrentUser.bAdminRight)), the evaluation of the expression fails and makes the application crash.
Resolution	Avoid using AmdbVal on the current user.

Defect **AM92494234** (Support case **4601607913**)

Application	Asset Manager Web client, API
Symptoms	After running a script or wizard that uses the AmQueryCreate function, via the Web client, using several concurrent users, the Asset Manager Web Service crashed.
Description	This is due to a trap in the API DLL, in multi-thread mode.
Resolution	Fixed

Enhancements and fixes introduced in version 5.12

The following defects were fixed as part of this release, in addition to those in the previous release:

Defect number: **AM10312535**

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
SQL error message when restoring an archived record.	The error message appeared when using a RESTORE FROM AQL clause or a Am-RestoreRecord() BASIC function in ac Script type action.records improperly triggered historization.	Historization disabled during Purge operations.

Defect number: AM103144242

Application affected: Asset Manager clients, Asset Manager Application Designer

Symptoms	Description	Resolution
Maximum record ID range could be reached without prior warning during record creation	When creating new records, Asset Manager computes the ID of the record. If the maximum ID limit is reached (2 exp (32)), the IDDefrag tool needs to be run on the database to recover unused IDs.	The management of the IDs has been improved: <ul style="list-style-type: none"> ■ A warning message is displayed when connecting as Admin if the limit is imminent (50 000 IDs available), to give time to schedule the IDDefrag tool. ■ ID checking is triggered in Asset Manager Application Designer.

Defect number: AM111916589

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Web client issues error message after login.	Web Service calls containing an invalid XML character caused the error.	Error messages are now clearer. If an error occurs when building the XML description, the service description will be logged to help investigation.

Defect number: AM129205325

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Some screens were lost during migration.	Some screens were lost during migration because they were not repaired correctly by the migration process.	Fixed

Defect number: AM12921317

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Shared views were not migrated properly in some cases.	Shared views were not migrated properly when the custom view had serialization flaws with the view filter.	Migration of shared views now works for non-admin users.

Defect number: AM1218174134

**Application affected: Asset Manager Application Designer
Asset Manager Windows client**

Symptoms	Description	Resolution
Asset Manager displayed empty error messages at the end of a migration.	The empty error messages were actually warnings and not errors. Asset Manager tried to display them as errors losing their text content.	Unnecessary messages no longer displayed

Defect number: AM12214144

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
<p>During migration the following error message was displayed:</p> <p>ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]Invalid column name 'lPorTfolioItemId'. SQLState: S0022</p>	<p>This message was caused by an error in some of the migration.xml files located in the <Asset Manager installation folder>\migration folder.</p>	<p>migration.xml was fixed</p>

Defect number: AM46185111

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
<p>The following error was generated during database migration using the Migration/Export application data of Asset Manager Script Analyzer</p> <p>(0) Error: The attribute's qlname' is mandatory for the element 'Field'."</p>	<p>The <Asset Manager installation folder>\migration\From503\migration.xml file was corrupted.</p>	<p>Fixed</p>

Defect number: AM48124235

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
<p>The following SQL error could cause the migration process to fail in some situations:</p> <p>ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server] 'WOPFI_lPortfolioIt ' is not a constraint.</p> <p>ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]Could not drop constraint.</p>	<p>Errors occurred when migrating the database following a database structure export using migration.xml from a Asset Manager 5.03 database, like in the AM46185111 defect.</p> <p>Migration could fail due to a "Drop Constraint" on a non existing constraint while this "Drop constraint" is triggered "just in case".</p>	<p>This error no longer stops the migration</p>

Defect number: [AM112115354](#)

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
<p>The graphics of the workflow instance contained box characters instead of Japanese characters.</p>	<p>Only the Arial font was used for the workflow graphics.</p>	<p>Fixed</p>

Defect number: [AM64171136](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>Using the Tools/ Views/ Modify current view... menu failed to save filter modifications.</p>	<p>Manual modifications to a query filter on a view were not recorded.</p>	<p>Fixed</p>

Defect number: [AM12810393](#)

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Actions/ Integrate a customization... does not integrate screens.	The Actions/ Integrate a customization... menu did not integrate added or customized screens.	Fixed

Defect number: AM1211195156

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
A GPF occurred when displaying archived records.	A GPF occurred when displaying archived records from within archive screens under certain conditions.	Fixed

Defect number: AM1119163513

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Queries on "link" type features did not work properly.	Queries on "link" type features did not work properly did not get a correct result because the SQL generated did not manage the LEFT OUTER JOIN correctly in this case.	Fixed

Defect number: AM1218114025

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>The sysCoreIsValidPort wizard may trigger the following error:</p> <p>No license rights available for action 'sysCoreIsValidPort'.</p>	<p>The sysCoreIsValidPort action was mistakenly associated to the Cable functional domain, for which a Cable and Circuit module license was required.</p>	<p>sysCoreIsValidPort is now linked to the IT functional domain. Cable and Circuit license is no longer required for this action as well as for its sibling actions: sysCoreIsValidPortM, sysCoreIsValidPortMessage, sysCoreIsValidPortModif.</p>

Defect number: AM1612427

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>The Tools/ Change password... screen allowed users to reuse the current password.</p>	<p>Even when the Administration/ Database options/ Use password historization option was set, the Tools/ Change password... screen allowed a user to reuse his current password.</p>	<p>Fixed</p>

Defect number: AM1117174054

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
<p>A very simple Wizard could generate errors in the Web Client.</p>	<p>A Wizard with missing "Image" and "Image16" properties did not work on Asset Manager Web client (this is the image displayed on the left part of the wizard pages).</p>	<p>Fixed</p>

Defect number: AM16125126

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
When running sysCoreView-toScreen wizard, it was impossible to select a functional domain when the database contained more than 100 am-FuncDomain records.	On the sysCoreView-toScreen wizard, the FuncDomain comboedit control was limited to 100 records.	Fixed

Defect number: AM115114125

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
A GPF occurred when doing a "View" on check/repair time.	Doing a "check and repair" on shared views, could lead to an application GPF (or divide by 0 exception).	Fixed

Defect number: AM113162011

Application affected:

Symptoms	Description	Resolution
A duplicate operation on the Computers (amComputer) screen could create two more computers.	Depending on how the Computers (amComputer) screen is customized, a duplicate operation could lead to data corruption.	Fixed

Defect number: AM12631243

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Integrated NT security (SSO) did not work anymore.	The sysCoreDomainUser wizard was no longer able to correctly initialize Asset Manager users with NT security (SID).	Fixed

Defect number: AM114161638

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
SMTP emails sent by Asset Manager had an empty double quote email address name.	SMTP emails sent by Asset Manager had an empty double quote email address name (e.g. To:"<JDoe@acme.com). This caused Lotus Notes 8.0.2 to display an empty "To" mail header.	Fixed

Defect number: AM12713625

Application affected: Asset Manager ODBC Driver

Symptoms	Description	Resolution
The Asset Manager ODBC driver (ADBC) was unable to connect using SSL.	The Asset Manager ODBC driver (ADBC) could fail to connect using SSL because it could not find <code>oldap.dll</code> and silently switched to the Netscape LDAP dll.	More explicit error messages are generated when and LDAP dll is unsuccessfully loaded. This will help users to put <code>oldap.dll</code> in the path or add the dll section in the <code>adbc.ini</code> configuration file.

Defect number: AM23142232

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Errors occurred when Websphere was installed in a directory containing spaces: "compiler E Compiler Initialization Error java.util.zip.ZipException: Bad file descriptor C:\Program Files\IBM\WebSphere\AppServer\profiles\AppSrv01\installedApps\DDMG02Cell01\AssetManager.ear\AssetManager.war\WEB-INF\lib\acegi-security-1.0.4.jar"	When Websphere was installed in a directory whose name contained spaces, Asset Manager Web Service did not work properly.	A patch has been applied to the WAR.

Defect number: AM122151827

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
When duplicating a contract, both Comment and Conditions memos were populated with the same data.	When duplicating a contract, content of the "Comment" was copied to fields of type Memo in the duplicated record.	Fixed

Defect number: AM18183142

Application affected: Asset Manager Automated Process Manager

Symptoms	Description	Resolution
The amActionPrintTo function did not work in Asset Manager Automated Process Manager.	An amActionPrintTo function call embedded in a Workflow run by Asset Manager Automated Process Manager resulted in an execution failure.	Fixed

Defect number: AM115164024

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
The following error occurred when trying to use Crystal Reports:	Crystal Reports could not be used in Asset Manager Windows client.	Fixed
<pre>"Crystal error: Buffer too small for string or missing null byte. ('Line 1 of script 'Import a report' of table 'Reports (amReport)')"</pre>		

Defect number: AM2135313

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Rounding of negative values by the DBEDIT Control on a wizard did not work correctly.	When initializing a Wizard DBEDIT control with some value (e.g.-41,1600001), it was automatically rounded to the upper value (e.g.-41,17).	Fixed

Defect number: AM29221119

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
The Procurement "Order" Wizard could generate 1 or 2 Purchase Orders.	Using the "Order" wizard could create different orders for different request lines for default catalog providers have partially overlapping names e.g. "HP" and "HP B2B".	Fixed

Defect number: AM115153115

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Error when changing Portfolio Item assignment: "(-53) Error executing action from activity 'Delete location links' in workflow 'Delete links between the portfolio items and the location'."	When changing Portfolio Item assignment and a workflow is triggered to perform write operations to the database, the workflow failed to operate for users without Admin rights.	Fixed

Defect number: AM33175059

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
In Asset Manager Procurement, when receiving an ordered Asset, reservations disappeared.	Reservations were unduly deleted when the reserved Asset was received into stock.	Fixed

Defect number: AM227141942

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
"The definition of the ... screen does not exist in this database" Creating a shared view generated an error	Creating a shared view "from the current window" did not work when the opened window was a shared view itself.	"Create a shared view from the current window" function is now removed from Asset Manager Windows client. To make a public view, use "Create a view from the current window" and uncheck the "Private" checkbox when entering the new view details in amViewDef screen. To expose a view as an Asset Manager Web screen, use Asset Manager Application Designer new menu "Action/Genetate Screens Using Views".

Defect number: AM31114341

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Archival generated wrong queries in certain situations. e.g. with an Oracle Server: "Oracle error: ORA-00928: missing SELECT keyword ('Line 14 of script ''aaa' of table 'amContract (Contracts)'')"	Archival could generate wrong queries on table with many links e.g. Contracts (amContract).	Fixed

Defect number: AM31616275

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Performance issue while performing enablement of unicode fields	When performing a unicode enablement with Asset Manager Application Designer on fields from a large database, all the indexes on the tables that were renamed to old were destroyed. This caused a huge performance issue.	Indexes are now regenerated on the renamed table before reading records from them.

Defect number: AM310184734

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
An error occurred when creating a custom view: "(error (-2000) This table cannot be consulted)"	In some customized databases, Rights to the Views (am-ViewDef) table could not be enabled leading to error when trying to create a private view.	Fixed

Defect number: AM316192254

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
A GPF was caused by a Wizard containing a QueryEditor control	Running a Wizard containing a QueryEditor control caused an application GPF.	Fixed

Defect number: AM312101912

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Performances issues occurred when opening the Portfolio (amPortfolio) screen when many shared views with filters are in the database.	When opening the Portfolio screen in the Web client, all the available contextual filters were loaded.	Filters dedicated to screens created from views (Shared Views) are no longer added to the list of contextual filters.

Defect number: AM9917245

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Stock rules calculation was not accurate.	On the Stock rules (amStock-Rule) screen the "Quantity of requests in progress" query calculator under 'Stock Stock.Name'; and 'All stocks' counts all qualifying Request lines. The involved queries did not take into account the fact that the request could be satisfied or that quantities may have been received.	Fixed

Defect number: AM310165021

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
<p>Calculated fields on customized screens could lead to the following Java error:</p> <pre>"com.hp.ov.ac.wsclient.WebServiceException: java.lang.ClassCastException type 'ACDouble' unknown. Defect Description: On 'Stock rules (amStockRule)' "</pre>	<p>Using a calculated field on a customized screen could lead to Java error when the type of the calculated field is integer.</p>	<p>Fixed</p>

Defect number: AM31615286

Application affected: Asset Manager clients

Symptoms	Description	Resolution
<p>Asset TCO was wrongly calculated.</p>	<p>TCO was wrongly calculated on assets with subcomponents.</p>	<p>The TCO Library (DATASYS) was fixed to correctly handle subcomponents.</p>

Defect number: AM31612810

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>An error occurred when using SAM sysOVCMGeneric Wizard:</p> <pre>"Error while parsing string: Line 35 has several values. Error occurred while analyzing the value of wizard property 'property 'Values' of node 'Oper. System'".</pre>	<p>The error was triggered by the Add or Remove software to/from computers option on the SAM sysOVCMGeneric wizard.</p>	<p>Fixed</p>

Defect number: AM10242017

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
It was possible to connect to a database with an offset of more than 5 minutes with the server.	When Asset Manager database was set with time zones option, an offset of more than 5 minutes with the server did not prevent connection. It only triggered a warning message.	Fixed

Defect number: [AM42163932](#)

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Link auto complete was triggered too soon.	The value set in the Linked-it.autocompletion.delay parameter in web.xml was not used for the first typed character. This caused immediate auto completion operations sending unnecessary queries to the database.	To respect the delay at all times, auto completion is now delayed on the first key stroke, even when there is no value in the field.

Defect number: [AM3171413](#)

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Timezone settings provided in Asset Manager datasys were not accurate for Argentina.	Daylight Saving Time settings were not updated with the last accurate Argentina settings.	The datasys is now updated with accurate timezones and DST.

Defect number: [AM47191014](#)

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
A GPF occurred when dealing with Views whose context table name contained an underscore.	When using Asset Manager Application Designer to create a screen, a GPF could be triggered when the private view context is a custom table whose name contains an underscore e.g. "amCF_SoftLic".	Although the underscore is still not supported in table names in Asset Manager databases, the current patch will prevent GPFs.

Defect number: AM4381936

Application affected: Asset Manager Application Designer Asset Manager Windows client

Symptoms	Description	Resolution
A migrated database could contain screens with corrupted page lists, triggering errors at connection time: :"The insertion index of page 'pgBiosProcessor' exceeds possible insertion indices for screen 'AT__HW_Inventory/Views'. Intermediate pages have been deleted."	When connecting to a migrated database which contained many shared views, non-critical error messages were displayed.	The migration process was enhanced to handle the situation, and the error messages will no longer be triggered. Thus a previously migrated database may be used as is without remigrating it.

Defect number: AM43102917

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Executed work orders had status set to "Scheduled" instead of "Notified".	When requesting a Work Order, then executing the request, the newly created Work Order was given the status "Scheduled" instead of "Notified". This was caused by an error in default value for "am-WorkOrder:dtSchedFixStart" field.	The Asset Manager database now contains the correct default value script for "am-WorkOrder:dtSchedFixStart" field. An existing database may be modified manually to get the correct behavior.

Defect number: AM4317147

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
The Modified on (dtLastModif) field on Workflows could contain an earlier timestamp than the creation date (dtStart) field.	Many date fields had a default value script "RetVal = AmDate()". Since, dtLastModif is set using "SELECT GetDate()" SQL function, this could lead to a slight gap because SQL function returns the database server TimeStamp, while AmDate() Basic function returns a value based on the local machine clock.	The new database description will contain the modified default value scripts: "RetVal =amDbGetDate("SELECT GetDate()")".

Defect number: [AM421172520](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Asset Manager 5.10 introduced losses in Shared Views features.	Version 5.10 Shared Views were no longer based on the Views (amViewDef) table because this table is not usable by the Asset Manager Web client to display shared views. This caused the following list of features losses: <ul style="list-style-type: none"> ■ Cannot create a view being non Admin. ■ Cannot perform access restrictions on shared views. ■ Cannot store all column sizes. 	The legacy Shared Views based on amViewDef are now reintroduced in Asset Manager 5.12. However, legacy views can still be used to create screens usable by Asset Manager Web Client. This can be done through Asset Manager Windows client (AmViewDef screen), or Asset Manager Application Designer using the Action/ Generate Screens using Views menu item.

Defect number: [AM428162543](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>Saving a modification to the Portfolio (amPortfolio) screen could trigger an error in a database with customized workflows:</p> <pre>"Duplicate definition: 'SrcT_244_104_22_0'. ('Line 14 of script 'Workflow agent' of table 'Portfolio items (amPortfolio)''')</pre>	<p>When a workflow was triggered and this workflow involved a script action, it could lead to a corruption in the Asset Manager Basic engine compiler.</p>	<p>Fixed</p>

Defect number: [AM424154549](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
<p>When Feature fields were added to the main list in a screen, an SQL error could occur when opening the screen:</p> <pre>"ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]The correlation name 'F40' is specified multiple times in a FROM clause . SQLState: 37000"</pre>	<p>When using features of type "Link" and adding such feature as one of the columns of a screen main list, opening the screen could cause badly formatted SQL to be sent to the database server, thus generating an error.</p>	<p>Fixed</p>

Defect number: [AM410191237](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Trying to delete workflow instance displayed in tab form triggers error: "Link 'WfScheme' unknown in 'WfScheme' (table 'Workflow instances (amWorkflowInstance)') (-53) String 'WfScheme.Name' / \"Ref' is not a valid field description in the current context"	In a workflow tab, when workflow instances are displayed in tab form, deleting an instance using the delete link contextual menu option did not work.	Fixed

Defect number: AM429163447

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
During the procurement reception process silent rollback of created records could occur, triggering the following error: "(-2003) Unable to read a record. Possible causes are:\n- you don't have the necessary user rights,\n- the record has been deleted,\n- the database is incorrect (broken link).\nYou can try updating with the REFRESH command (F5)."	A customized database with complex Basic scripts defined for "Irrelevant", "Default value" etc. could cause the procurement reception process to fail due to silent rollbacks when these scripts failed because of ERR_NODATA silent errors.	Fixed

Defect number: AM62618218

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Using Asset Manager Application Designer to customize or migrate a database which is archival-enabled could generate a wrong (smart database upgrade) SDU plan.	SDU plan could contain too many conflict detections when customizing or migrating a database with archival enabled.	Fixed

Defect number: AM42317235

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
When trying to associate Portfolio items with a work order, not all the portfolio items show up in the list as expected.	This was because the sysFilter used was "OverflowTbl<>'am-Soft.Install'" instead of "seOverflowTbl<>3. This excluded items with NULL OverflowTbl.	Fixed

Defect number: AM513125910

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Canceling update could cause record deletion.	When modifying a field on the Assets (amAsset) screen, clicking Cancel could lead to deletion of related Portfolio and Computer overflow records.	Fixed

Defect number: AM57143210

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Certain Crystal Reports report could not be previewed.	When a report contained no SQL query (so it did not need any connection to Asset Manager database), Asset Manager failed to analyze it and refused to launch Crystal reports preview on this report. Although such a report has little business interest, it will now be processed.	Fixed

Defect number: AM31714301

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
When changing a value in the Name (Name) field of a Model (amModel) from one in half-width Kana to whole-width Kana, the following constraint error is generated: "Cannot insert duplicate key row in object 'amModel' with unique index 'Model_FullName'. SQLState: 23000"	Hierarchic tables management did not work well with UNICODE languages.	Fixed

Defect number: AM51595847

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
The procurement reception process could fail with error: "Index error: A record in table 'Portfolio items (amPortfolio)' with the value '' for field 'Full name (FullName)' already exists in the database."	On some customized databases, the procurement reception process could fail with a duplication error.	Fixed

Defect number: AM31214315

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Running a database Repair on the Asset Manager 5.11 database could wipe out entitlements in amRelEntitlPortf.	AmEntitlement:Assets and AmEntitlement:PortfolioItems links which point to the same amReEntitlPortf relation table are redundant.	The repair tool will now take this into account.

Defect number: AM422142958

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Denormalizations could prevent updating records with error: "[SQL Server]Only one expression can be specified in the select list when the subquery is not introduced with EXISTS. SQLState: 37000"	When denormalizing a link.link distant field which was already denormalized in the first link part target table (cascade denormalization), the SQL generated to synchronize the denormalized data was badly formatted.	Fixed

Defect number: AM46102040

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
Using Asset Manager Application Designer to make a table hierarchical ends with error: "ODBC error: [Microsoft][ODBC SQL Server Driver][SQL Server]CREATE UNIQUE INDEX terminated because a duplicate key was found for index ID 11. Most significant primary key is '<NULL>'. SQLState: 23000"	Using Asset Manager Application Designer, it was not possible to successfully customize a table to make it Hierarchical.	Fixed

Defect number: [AM42418384](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Procurement Request Wizard (sysProcRequestGenPOrder) did not check end validity catalog dates.	The Procurement Request Wizard (sysProcRequestGenPOrder) did not check end validity catalog dates causing silent failure to create a purchase order unless a valid catalog is selected manually through the "Choose from a catalogue or a supplier" wizard path.	Fixed

Defect number: [AM428162445](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
The Asset Manager license creation wizard (sysSamCreateLicpfic) did not take into account an Asset tag (AssetTag) default value.	When creating a license using the wizard sysSamCreateLicpfic, the Asset tag (AssetTag) field was set to mandatory, without taking the default value into account. Usually, the Asset tag is decided by a default value.	Fixed

Defect number: AM6518115

Application affected: Asset Manager Application Designer

Symptoms	Description	Resolution
An error occurred on API amIsScreenSet when checking the database: "(-53) Sub or function 'amIsScreenSet' not defined. ('Line 10 of script 'Validity' of table 'User roles (amMasterProfile)''')"	When running a Check and Repair with the "Check Validity of records" checked, a validity script containing a call to amIsScreenSet() caused an error.	Fixed

Defect number: N/A (generic enhancement)

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
N/A	Support of jre 1.6 has been validated	N/A

Defect number: AM612122220

Application affected: Asset Manager clients

Symptoms	Description	Resolution
Timezones for northern and southern hemisphere were not treated differently.	The timezone algorithm did not deal correctly with hemisphere and seasonal daytime savings offsets.	Time offsets are now correctly applied.

Defect number: AM716151241

Application affected: Asset Manager Japanese Web client

Symptoms	Description	Resolution
Users could not login with kanji login ids.	Users could not login with kanji login ids as character set not fully supported.	Web Tier and Web Service now supported out of the box on any platform using utf.

Defect number: AM211145547

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
New FloatingPoint fields did not display in lists.	The FloatingPoint number type was not supported in fields added to lists, thus when created these fields did not display.	Fixed

Defect number: N/A

Application affected: Asset Manager clients

Symptoms	Description	Resolution
The Project TCO field did not work correctly.	The Project TCO (sysCoreProjectTCO) calculated field on the Projects (amProject) detail did not work correctly.	The currency is now displayed by the field.

Defect number: AM525185718

Application affected: Asset Manager Web client

Symptoms	Description	Resolution
Column titles in shared views did not reflect title customization when displayed in the Web client	Creating a private view based on an opened screen where the main list column labels were customized. Then creating a screen using this view. Then opening this screen (shared view) in AM Web client. Customized labels did not appear or were misplaced.	Fixed

Defect number: [AM52811427](#)

Application affected: Asset Manager clients

Symptoms	Description	Resolution
Asset Model not propagated during Asset Model Change update	When modifying the model link of an Asset, the model link of the related Portfolio Item was not always synchronized.	Fixed

Defect number: [AM52892832](#)

Application affected: Asset Manager Windows client

Symptoms	Description	Resolution
Once a "mandatory field cannot be empty" error is displayed, the new record cannot be created even after having filled the missing field properly	With some complex customized screens, "mandatory field cannot be empty" error can definitively prevent the creation even when a second creation attempt is done after having filled the missing data.	Fixed

Enhancements and fixes introduced in version 5.11

The following defects were fixed as part of this release, in addition to those in the previous release:

Defect number	Component that's involved	Description
AM311112325	Asset Manager clients	If a Role used at connection was removed from a given employee and that role was previously defined as its default role at login, the user could still connect with that role.
AM101105157	Asset Manager Application Designer	When creating a new page, the values of the List of fields field in the Contents tab, and of the Label and Domain fields were lost after saving and re-opening the database.
AM4410467	Asset Manager clients	An error occurred when duplicating an existing Employee record and saving with it under a new name.
AM52715623	Asset Manager Application Designer	When editing the property of a field associated with a page (Contents tab), using Asset Manager Application Designer, the field was then duplicated in the list of fields associated with that page.
AM529153114	Asset Manager clients	General Protection Fault occurred when executing a filter that contains an Alias in a DBQUERYBOX control of a wizard.
AM6217551	Asset Manager Application Designer	When changing the order of pages on the Pages tab of a screen, using Asset Manager Application Designer, the new order was lost after pressing Modify .
AM722162818	Asset Manager clients	An error occurred when executing the QBE (Query By Example) wizard at the opening of a list if the QBE makes use of an itemized list having more than 100 records.
AM72162919	Asset Manager Web client	Drilldown was not available from the statistics displayed with the Stat. drop-down list for a link or field from any list.
AM52714153	Asset Manager Web client	When displaying graphs based on Statistics in the Web client, colors appeared slightly paler than in the corresponding series key.
AM425204929	Asset Manager Web client	On the Portfolio management/ Portfolio items screen, a user without rights to modify records saw the Modify button enabled.
AM85141433	Asset Manager Web client	Chart size could not be redefined by the user as it was hard-wired in the code. These can now be defined in web.xml for each kind of chart (statistics, dashboards, business home pages and wizards).
AM91114351	Asset Manager Web client	In the Create a software license management counter... wizard (Portfolio management/ IT/ Software Asset Management/ Create a software license management counter... link on the navigation bar), the Select a counter template page only displayed the first 13 records.

Defect number	Component that's involved	Description
AM1031115938	Asset Manager Windows client	A shared view could appear several times in the navigation bar.
AM102717048	Asset Manager Application Designer	The creation of the Asset Manager database failed on Oracle if the Database/ Use Unicode text fields menu option was used.
AM8209229	Asset Manager clients	Currency amounts were improperly rounded.
AM102318243	Asset Manager Windows client	Screens that were associated with more than one screen set were displayed in the widget that controls functional rights (Administration/ Rights/ Functional rights navigation bar link) as being linked to only a single screen set.
AM526161510	Asset Manager clients	When adding a portfolio item to an employee, the portfolio item was not associated to this employee if the list was configured to be displayed in tab-form (Portfolio tab of an employee).
AM10171859	Asset Manager Windows client	The Asset Manager Windows client froze when displaying features (Features tab of a record).
AM107182715	Asset Manager Application Designer	It was impossible to create two screens on a given table in different screen sets with the same SQL name. The first screen was lost when saving the modification after creating the second screen.
AM52155558	Asset Manager clients	Column widths were not saved when modifying a view.
AM9241174	Asset Manager Application Designer	Triggers were not created when creating an Asset Manager database on Oracle on a UNIX platform.
AM918195134	Asset Manager clients	The Create the items in the request... (sysProcRequestExecuteAll) wizard did not properly handle partial receives.
AM88184415	Asset Manager clients	A workflow with a Pre-Update activation condition on the Asset Tag (AssetTag) field in the Assets (amAsset) table was triggered when creating a new Portfolio item (it should only have been triggered when modifying an existing Portfolio item).
AM99183527	Asset Manager clients	Error message when several Portfolio items are selected and their Assignment (seAssignment) is updated to In stock and the Stock field is filled.

Enhancements and fixes introduced in version 5.10

The following defects were fixed as part of this release:

Defect number	Component that's involved	Description
AM36181218	Asset Manager Application Designer	A general protection fault (GPF) occurred when denormalizing one of the Portfolio.Computer link's fields from the amAsset table.
AM54152032	Asset Manager clients	Improvement of the Domain user... (sysCoreDomainUser) wizard that was triggered by the NT user button on the employee detail pages. This improvement has resolved performance issues.
AM29162248	Asset Manager Web client	The last page of the assets list could not be correctly accessed via Oracle 10.
AM5216510	Asset Manager Application Designer	General protection fault when tagging Web services after migrating custom monetary fields.
AM91793412	Asset Manager Web client	The selection list of portfolio items to reserve from a purchase request was empty.
AM92084250	Asset Manager Web client	When creating elements of a purchase request awaiting receipt, the work order request lines were not correctly associated with the work orders that were created.
AM712183357	Asset Manager clients	The label and description of the dRetire field in the amAsset table were incorrect in English and Italian.
AM626212013	Asset Manager clients	Improved user-friendliness of the Manage software (sysSamLauncher) wizard.
AM22019103	Asset Manager clients	Added a filter to the stock selection page in the Add an item from stock... (sysCoreAddFromStToPi) and Use item from stock" - SQL name (sysCoreAddFromStToWo) wizards.
AM2293951	Asset Manager clients	When a rent's distribution method was Prorate and distribute payments to a selection of assets , the currency associated with the mPayment and mValue fields was not correctly initialized.
AM21420354	Asset Manager Windows client	In the detail of the records, the fields over two columns were not aligned correctly.
AM1018201131	Asset Manager clients	The Code field was missing from the amPhysicalDrive table.
AM103144121	Asset Manager clients	The label for the amPhoneFeatTemplate table exceeded the maximum authorized length.
AM1516313	Asset Manager clients	When a LastModifier link was added to the amComment table, the data was corrupted when updating comments that were part of a multiple selection.
AM24134721	Asset Manager clients	The label of a workflow activity's Assignee link was incorrect. The link referenced the amWfOrgRole table instead of the amEmplDept table. It has been renamed to Person or group .

Defect number	Component that's involved	Description
AM73121810	Asset Manager clients	The Nature link is now displayed in the list of models.
AM811155326	Asset Manager Web client	Could not connect to the Web service's version tagged as Head if a page was deleted from a screen.
AM814174726	Asset Manager Web client	When an employee was selected in the Divide a batch... (sysSplitAssignment) wizard, the Location link needed to be populated with the location of the previously selected employee.
AM95161811	Asset Manager clients	The list of workflow instances that are displayed on the Workflow tab is now sorted by default using their creation date. The list of elementary tasks that are associated with a workflow instance are now sorted by default using their creation date.
AM912115012	Asset Manager Web client	An empty Workflow node was displayed in the navigation bar when a guest type user connected.
AM112220955	Asset Manager Web client	The list of portfolio items to upgrade in the Upgrade IT equipment... (eUpgrade) wizard continued to remain empty.
AM4419151	Asset Manager clients	If the definitive model associated with an inventoried model was modified, the change was not propagated to the portfolio items that had already been associated with the previous definitive model.
AM118144433	Asset Manager clients	The MrMrs and Title fields appeared with the same label in the Create a software contract... (sysSamCreateSoftContract) wizard.
AM726163359	Asset Manager Windows client	The Create a software contract... (sysSamCreateSoftContract) wizard's Contract documentation and notes page has been made more explicit. It is now clearly indicated which list lets users add documents and which list lets them delete them.
AM44175327	Asset Manager clients	The list of inventoried models in the Normalize inventoried models... (sysSamNormalizeModels) wizard now provides a filter that lets users select only newly inventoried software installation models.
AM651348	Asset Manager Windows client	An error message was displayed when the Go to shortcut menu was used for the list of assets sorted by model.
AM726193249	Asset Manager clients	When a purchase request was created and the user selected the option to add it to an existing request having the same model, a superfluous empty purchase order was generated.
AM62222912	Asset Manager clients	Improved user-friendliness of the Create a request from a standard request... (sysProcRequestAddTemplatenc) wizard.

Defect number	Component that's involved	Description
AM91791831	Asset Manager clients	The same portfolio item could be reserved several times in a purchase request.
AM126155446	Asset Manager clients	An error occurred when adding a portfolio item in stock from an employee's detail if the dAssignment field was not populated.
AM72817249	Asset Manager clients	In some instances, attaching a demonstration database running on MSSQL 2005 failed during the Asset Manager installation procedure.
AM11149269	Asset Manager Application Designer	Error related to records in the amFuncDomain table when migrating an Asset Manager 4.4.2 database.
AM811145213	Asset Manager clients	The Finish button of the Read messages (sysCoreReadMsg) wizard displayed the next message instead of exiting the wizard.
AM831141450	Asset Manager clients	The total cost of ownership (TCO) of a business service did not correctly take into account the value of the seFinImpactCalc field in the amCRType table.
AM921151458	Asset Manager clients	Performance issue linked to the total cost of ownership calculation (TCO) when displaying a model associated with numerous portfolio items.
AM42417114	Asset Manager Windows client	The Add this column to the list shortcut menu did not work.
AM126174110	Asset Manager Web client	In the assets detail, the Acquis. tab had two Procurement sections.
AM1125195128	Asset Manager clients	In the detail of an expense line, the WorkOrder link was not enabled when the value of the sePurpose field was Internal labor (Work order) .
AM31215344	Asset Manager Windows client	Error displaying the detail of a data source from a connection detail (File/ Manage connections menu).
AM919195012	Asset Manager Application Designer	All system screens and filters were not always checked when the database was saved.
AM1220142019	Asset Manager Application Designer	When modifying the Irrelevance script associated with a link, the Mandatory column in the list of link properties was updated instead of the Irrelevance field.
AM28114230	Asset Manager Application Designer	Changes made to the description of tables were not saved when the database was saved.
AM1212192050	Asset Manager Application Designer	An error message appeared when executing the Check the full names and the hierarchic levels diagnostic tool (Action/ Diagnostics/ Repair database...).
AM73154936	Asset Manager clients	Access restriction's OR clauses were interpreted as AND clauses when access restrictions were applied.

Defect number	Component that's involved	Description
AM228152540	Asset Manager clients	When the AdbLog/ Explain Plan (Edit/ Options) option was enabled for an Oracle database, error messages were generated.
AM912201128	Asset Manager Web client	In some instances, using DBQueryBox control types could cause performance issues.
AM31814567	Asset Manager Web client	The default value of the AssetTag and SerialNo fields was re-applied when an asset was displayed.
AM614175932	Asset Manager clients	Error executing the Create a software license management counter... (sysSamCreateSoftwareCounter) wizard when Per named workstation license types were used.
AM423154744	Asset Manager clients	Two portfolio items were created when a portfolio item associated with the Software installations or utilizations (amSoftInstall) type nature was created.
AM126155449	Asset Manager Windows client	After migrating a database, the portfolio item's Model link contained no value.
AM54113320	Asset Manager Web client	When a filter was applied to a given screen's list, the filter was automatically applied to all of the screens that displayed the list.
AM51718558	Asset Manager Web client	No progress bar was displayed when time was need to display a screen or wizard.
AM62221491	Asset Manager Web client	List items that were displayed in a wizard were not counted correctly when a column was sorted.
AM71215574	Asset Manager Web client	After selecting a favorite in the navigation bar and then navigating to other screens, clicking the Refresh button caused the user to return to the favorite instead of refreshing the current page.
AM721163149	Asset Manager Web client	Icons used to display the contents of a link and to delete a link were displayed even for users who did not have sufficient read/write rights for the link.
AM8815416	Asset Manager Web client	The filter applied to a list was not saved with the favorite associated with a statistic that was created for this list.
AM823212954	Asset Manager Web client	Check boxes in the software counter details were not correctly aligned.
AM828154849	Asset Manager Web client	The size and name of files associated with a document were not correctly refreshed when the file was modified.
AM95154958	Asset Manager Web client	The identifier for images appeared on the Photo tab.
AM9516736	Asset Manager Web client	Items that were previously selected in a selection screen remained selected when the selection screen was displayed subsequent times.

Defect number	Component that's involved	Description
AM57141622	Asset Manager Web client	After exporting a list to Excel, the hourglass remained displayed until the page was refreshed (F5 button).
AM1012163139	Asset Manager Web client	The disconnection icon could not be accessed via the keyboard's tab key.
AM31311916	Asset Manager Application Designer	Error message when migrating a database when field sizes had been modified.
AM1122144633	Asset Manager Windows client	Query-based statistics were displayed using the query's name instead of the statistic's name.
AM619114230	Asset Manager clients	Large reports were not properly migrated.
AM69135926	Asset Manager Windows client	<p>It was not possible to control display of list buttons such as New, Duplicate and Delete. These sometimes appeared below the list instead of beside it. This can now be specified in Asset Manager Application Designer:</p> <ol style="list-style-type: none"> 1 Display the table from which the list is drawn. 2 Display the list of screens for the table. 3 Select the screen on which the list appears. 4 (Un-)check the Buttons are horizontal on screen bottom box.
AM65225313	Asset Manager clients	System itemized lists were historized using the value stored in the database (which is a number), with no option to use the corresponding label.
AM62615184	Asset Manager clients	When selecting the Documents tab of a contract, content of large document files was preloaded too early.
AM3617056	Asset Manager clients	In a wizard, chaining of a private wizard action was not possible except for the action's owner (author). Thus users could not chain (execute) a "hidden" wizard from an available wizard.
		<p>Note:</p> <p>A private action is an action for which the Not shared (bPrivate) checkbox is checked. It is hidden if you are its owner (author).</p>
AM55174126	Asset Manager clients	History lines were not properly recovered when un-archiving a record.
AM7314147	Asset Manager clients	When executing a join query, MSSQL Server did not correctly manage denormalized paths, leading to error messages.
AM6271690	Asset Manager clients	Incorrect query results were returned by MSSQL Server when performing a query using CurrentUser and an OR statement with a distant field.

Defect number	Component that's involved	Description
AM730183237	Asset Manager clients	Breakdown was incorrectly translated in Korean.
AM79132640	Asset Manager clients	Incorrect query results were returned when converting 0.0000 values from denormalized fields of type varchar, due to incorrect datatype conversion.
AM423184416	Asset Manager clients	When creating several portfolio items in series, the Sys. Update button was displayed erroneously.
AM522115057	Asset Manager clients	When modifying a distant field, it was not possible to update more than 100 records selected from a list with Shift + mouse.
AM85141433	Asset Manager Web client	It was not possible to configure the size of a chart in the Web client.
AM51311469	Asset Manager clients	An error message was displayed when migrating from Asset Manager 4.4.x to Asset Manager 5.03 if a script referenced a feature field in a distant table, when the feature had not yet been created in the target database.
AM530113349	Asset Manager Application Designer	Modifications of the String field associated with a table in Asset Manager Application Designer were not taken into account when saving the database.
AM124145837	Asset Manager clients	On the Profile tab of the Employees and departments table (amEmplDept), the labels of some new profile fields were truncated.
AM627155444	Asset Manager Web client	The DB.owner parameter in the Asset Manager Web Service configuration file <code>package.properties</code> was not properly expanded in the connection string used as a description in <code>web.xml</code> .
AM822104138	Asset Manager Application Designer	Asset Manager Application Designer caused a General Protection Fault when re-opening a database containing fields with duplicated tax formulas, as defined on the Tax Formulas (amTaxFormula) screen.
AM813163539	Asset Manager clients	The time taken by Asset Manager 5.1x to load a database was much longer than by Asset Manager 5.03.
AM87192426	Asset Manager Web client	The font size used in drop-down lists was smaller than for text in regular field labels on the Web client.
AM730194820	Asset Manager clients	The Administration/ Database options settings of Account-locking delay in minutes and Number of password errors before locking the account were not properly taken into account during invalid log-in attempts.

5 Known problems, limitations, and workarounds

The system anomalies listed in this section have been grouped into the following categories:

- [General / database limitations](#) [page 145]
- [Web client](#) [page 149]
- [Web services](#) [page 149]

General / database limitations

- The Service Asset and Configuration Management integration currently has the following limitation:
Where the Asset Manager DBMS uses DB2 UDB, this is not supported by the integration with HP Universal CMDB.
- The integration between HP Project and Portfolio Management and Asset Manager currently relies on a deprecated version of the HP Project and Portfolio Management Finance Web Services.
- When a long query is cancelled (**Cancel** button in the window displayed during lengthy operations), error messages may be displayed even though the operation was running correctly.
- If the database is not configured to store data in Unicode, Asset Manager can only be used in multilingual mode if the languages use the same code page (ex: iso-latin1). In particular, it is not possible to use Asset Manager in multilingual mode with Japanese.

- After upgrading from version 4.x, the functional domains might not be correct. You have to verify them.
- If the Windows **server** service is stopped, MSDE cannot be installed.
- We recommend installing MSDE with at least one network protocol activated.
- If the **itam** login already exists in the local MSDE/MSSQL instance during the installation, the connection to the demonstration database assumes that the associated password is **password**.
- If a database named **AMDemo52xx** (where **xx** corresponds to the Asset Manager installation language) already exists in the local MSDE/MSSQL instance, the Asset Manager installation will overwrite it with a new demonstration database without any warning.
- The creation of a counter using metering information is limited if the context is not the **amSoftInstall** table. In this case, it is not possible to use the **tsUnused** field.
- After upgrading from a 4.x version and if you have acquired the software asset management module, you will need to import the **software asset management** datakit.
- To copy information from the Asset Manager online documentation (available via the **F1** key), select the text to copy, right-click, and then select **Copy** from the shortcut menu. The **Ctrl+C** keyboard shortcut does not work.



Tip:

For best results, paste the copied text in HTML format to an editor that permits this (for instance using MS-Word's **Edit/Paste Special** option). Make sure that this editor is open before you select and copy the information you need.

- When several users execute an operation at the same time which impact the same records, the DBMS may reject the operation for certain users (deadlock).

A rollback is performed for the rejected transaction and the corresponding user receives an error message similar to the following:

```
2005/04/29 11:41:21.687 6 1 [Thrd#:1588] (-2006) ODBC error: [IBM][CLI D
river][DB2/6000] SQL0911N The current transaction has been rolled back
because of a deadlock or timeout.
Reason code \"2\". SQLSTATE=40001\r\n SQLState: 40001.
2005/04/29 11:41:21.703 6 1 [Thrd#:1588] (-2006) SQL statement '<stateme
nt detail>'
```

The data in the database is not corrupted.

The user can retry the same operation if that user is the only user to perform the operation and if the operation has not been performed by the other users.

For example, this type of conflict arises if two users try to receive the same order at the same time.

- Functional rights (Windows client only): Let's imagine that functional right D refuses access to screen E.

If a user connects with a user profile linked to functional right D, and if screen E is associated with an icon on the toolbar, the user is still able to access screen E via this icon even though the he or she is not authorized to do so.

- An error message such as **12:14:29,817 ERROR - org.apache.myfaces.renderkit.html.util.MyFacesResourceLoader - Unparsable lastModified: @lastModified@** may appear in the Asset Manager Web Tier log file.

This does not prevent the proper operation of the application.

- Leasing: In the detail of a contract rent, if you assign the value **Allocate unit level payments to all assets** or **Allocate unit level payments to a selection of assets** to the **Prorate to assets** (seProrateRule) field, the **Value** (mValue) and **Rent** (mPayments) fields cannot be modified by the user.
- Leasing: In the detail of a contract, if you assign the value **Yes** to the **Acceptance date** (bFromAcceptDate) field after generating the rent expense lines and assets have not been accepted, the expense lines are not deleted.
- Leasing: In the detail of a contract rent, if you assign the value **Prorate and distribute payments to all assets** or **Prorate and distribute payments to a selection of assets** to the **Prorate to assets** (seProrateRule) field, you cannot modify the **Rent** (mPayments) field.
- If you are hosting Asset Manager version 5.21 with version 5.0x or 4.xx on the same station which also hosts MSDE, you can use the old MSDE **ASSETCENTER** instance to host the databases of those different versions.
- If you install the Asset Manager 5.21 demo database, and if an MSDE version supplied with a Asset Manager version prior to 5.10 is also installed on your workstation, the connection parameters proposed by the Asset Manager installation program must be modified. (The installation program proposes the **ASSETMANAGER** instance).

Use the old instance of MSDE **ASSETCENTER** and the password **saacpassword** for the **sa** user.

- Schedule level rents: When the **Prorate to assets** (seProrateRule) field equals **Prorate and distribute payments to all assets** or **Prorate and distribute payments to a selection of assets**, the **Rent** (mPayments) field is only calculated correctly if the **Prorated by** (ProrateField) field equals **Market value (mMarketVal)**.
- When you use the **Accept assets...** wizard (sysLeaseWAssetAccept), if you set the **Calculation method** field to the **Acceptance date**, and the

acceptance date is the same as the contract start date, an intermediate rent is calculated when it should not be.

- User roles: If, in an employee's detail, on the **Profile** tab, you start by adding a role in the **Authorized user roles** (MasterProfiles) list, and you select it using the **Role used at connection** (DefMastProfile) link, and then you remove it from the **Authorized user roles** list, it still remains associated with the **Role used at connection** link. This should not be possible.
- Migration: the database conversion to the 5.21 version will not work if you convert an old-format database that contains a table whose SQL name contains an underscore (_).

If this corresponds to your situation you should contact HP technical support. You may need to contract some consultancy services.

- Wizards:
 - If you use a **COMMANDBUTTON** control, you must populate the **Caption** property.
 - If you use a **LISTBOX** control, the **COLNAME** property **must** be populated for the content of the **LISTBOX** to be properly displayed by the Web client.
- ▶ The **Advanced use** guide, **Wizards** chapter, **Types of controls and associated properties** section.

In previous versions, if the **Caption** property was not populated, the name of the **COMMANDBUTTON** control was used instead.

- Display order of pages (tabs): The change to the display order of pages defined using Asset Manager Application Designer is not saved.
- Asset Manager Application Designer: SQL names used for tables must not be more than 18 characters long. If longer names are used, contextual links and views for the table may no longer work correctly and other errors may occur.
- If you are using version 11 or 11.5 of Crystal Reports in conjunction with Asset Manager, you will find that tree navigation is not available in the report tree.
- The Update Event Trigger for a chargeback rule on a **link.field** does not work (**Field** (EvtField) field).

Workaround example: Suppose you wish to create a chargeback rule triggered on an update of **amPortfolio:Computer.BIOSAssetTag**.

Create a workflow that uses a dedicated field, for instance **CUSTOM** in the **Portfolio items** (amPortfolio) table. This workflow is triggered on the update of the **BIOSAssetTag** field in the **Computers** (amComputer) table, and updates the **CUSTOM** field in the **Portfolio items** (amPortfolio) table. The

chargeback rule will then be based on the **CUSTOM** field rather than on the **BIOSAssetTag** field.

■

Web client

- Some features that are available in the Windows client are not available in the Web client.

To learn about the main differences between the Windows and Web clients:

► **Asset Manager Web Implementation** guide, chapter **Differences between the Windows client and the Web client**.

- The **Cable and Circuit** module is not available via the Web client. If you wish to use this module you should do so through the Windows client.
- You cannot use the **amExecuteActionByName** function to launch wizards through the Web client. (Wizards are controlled client-side on the Web client, whereas scripts run server-side.)
- Although most Internet browsers allow you to open a link in a new window, you must not use this feature in conjunction with Asset Manager Web. Instead, simply click the link and the page will open in the correct spot on the Web client's workspace.
- We recommend using two different instances of Tomcat to deploy Asset Manager Web Tier and Asset Manager Web Service. Both instances can be hosted on the same server.
- Items that are printed from the Web client may not appear as neatly on the printed page as they do on the screen.
- Maintaining a history of changes made to a field populated by a system itemized list: The **Previous value** (PreviousVal) and **New value** (NewVal) fields in the **History** (amHistory) table store the value displayed in the system itemized value input field and not the value stored in the database starting with Asset Manager version 5.00.

For example: In the **Work orders** (amWorkOrder) table, the **Status** (seStatus) field is populated via a system itemized list. One of the entries of this itemized list is displayed as **Notified** and is stored as **0**.

The **Previous value** and **New value** fields store **Notified** and not **0**.

In previous versions, the value stored in the database was used.

If you convert a database prior to version 5.00 to version 5.21, the **Previous value** and **New value** fields will contain both stored and displayed values of system itemized lists.

Queries, wizards, etc., that reference the **Previous value** and **New value** fields must be modified accordingly.

Example of a query that retrieves portfolio items that are or were awaiting receipt. This assumes that the history will be kept for the **Assignment** (seAssignment) field in the **Portfolio items** (amPortfolio) table.

Query before conversion:

```
seAssignment=3 or exists (SELECT 'x' FROM amHistory WHERE ((amPortfolio:lPortfolioItemId = lHistObjId) AND (PreviousVal = '3.0000')) AND (Field = 'seAssignment'))
```

Query modified to work after converting the database:

```
(seAssignment = 3) OR ( exists ((SELECT 'x' FROM amHistory WHERE ((amPortfolio:lPortfolioItemId = lHistObjId) AND ((PreviousVal = '3.0000') OR (PreviousVal = 'Awaiting Receipt')))) AND (Field = 'seAssignment'))))
```

- **Problem:** if you use the **amDbGetListEx** function in wizards and you execute these wizards in a Web or Windows client, then **ALL** records from the table will be retrieved and displayed. This can be very time-consuming. This is a critical issue for Asset Manager Web which impacts its performance and all of its users.

Workaround: Asset Manager is installed with a new function:

AmDbGetLimitedList.

We recommend that you always replace **amDbGetListEx** with **AmDbGetLimitedList** in all the wizards.

The **AmDbGetLimitedList** function returns the execution results of an AQL query as a list. Unlike the **AmDbGetListEx** function, this function is used to define the maximum number of elements selected by the AQL query and indicates what should be done if data is truncated.

► To learn more about the **AmDbGetLimitedList** function, please read the **Programmer's reference**.

- Returning a received item in the procurement cycle: You must use the Windows client to do this as it cannot be done in the Web client.
- If a currency is added or modified in the **Currencies** (amCurrency) table, or if its symbol is modified via the Windows client, you must stop and restart all instances of Asset Manager Web Service and Asset Manager Web Tier in order for this operation to be taken into account by the Web clients when they display a currency. This needs to be done because currencies are stored in a cache for each Asset Manager Web Tier instance that needs to be refreshed.

If a currency is added or modified in the **Currencies** (amCurrency) table, or if its symbol is modified via the Windows client, and several instances of Asset Manager Web Tier or Asset Manager Web Service have been deployed,

you must stop and restart all instances of Asset Manager Web Service and Asset Manager Web Tier except the instances to which the user who is making the modification is connected.

- If:
 - A value is added to, modified in or deleted from the **Itemized list values** (amItemListVal) or **Itemized lists** (amItemizedList) tables via the Windows or Web client,
 - or if a column is added to the **ColName** property of a wizard's **DBLISTBOX** control via the Windows or Web client, and the column is not part of the default columns used for the source table's screens (Asset Manager Application Designer/ Detail of the source table/ Detail of the screens/ **List/Detail** tab/ **Columns of the list** and **Other columns** fields),

...you must re-initialize the connection pool using Asset Manager Web Service in order for this operation to be taken into account by the Web clients when itemized lists are displayed:

- 1 Start Asset Manager Web Service:

```
http://<Name or IP address of the Asset Manager Web Service server>:  
<Asset Manager Web Service port>/AssetManagerWebService
```

- 2 Click this link: [Reset the connection pool](#).

You must have administration rights to perform this operation.

This needs to be done because itemized lists and their values are stored in a cache that needs to be refreshed.

- From the Web client, from the detail of an asset, you cannot display the detail of the **Order** (POrdLine) and **Receipt** (ReceiptLine) links.
- Euro currency symbol on UNIX: The Euro currency symbol cannot be displayed by the Web clients if Asset Manager Web Tier or Asset Manager Web Service is installed on UNIX.

Workaround: In the detail of the Euro currency, replace the symbol with a character string such as **Eur**.

- User encounters error when logging in after forced password change. Context: after an administrator forces a reset to a user's password by checking the **Force change** (bResetPwd) field on the user's profile, the user should be forced to change and confirm their password at the next attempt to log in to the Web client. However, in this context the user will currently encounter an error.

Workaround: The Administrator needs to uncheck the **Force change** (bResetPwd) field on the user's profile.

- The **SORT** property is not implemented in the **DBLISTBOX** control for the Web client. (However it works in the Windows client.)

- The **Link/unlink an installation to/from a portfolio item...** (sysCompactInstall) wizard (**Portfolio management/ IT/ Link/unlink an installation to/from a portfolio item...** link on the navigation bar) should be executed under the Windows client only because the performance would be too low on a large amount of records (more than 100 records) if executed under Web client.

Web services

- Error tagging Web Services after Asset Manager migration.
Context: After converting an old version of the database to version 5.21, you tag the database using Asset Manager Application Designer (**Action/ Tag Web service** menu) or you check the Web services (**Administration/ Check definitions of the Web services...** link on the navigation bar of the Windows or Web client).
Error: The conversion log displays a message similar to the following: **Event 'X' linked to button 'Y' does not exist..**
Cause: The service contains a screen that has a button which is associated with an action that does not exist in the database.
Resulting Consequences: The Web service containing the detail cannot be tagged.
Solution: Delete the button from the detail or import the missing action if possible, then, try to tag the Web services again.
- C# programs connecting to the Web services are blocked by a **StackOverflowException** Web client error.
- Web Services freeze when

```
/AdbLog/Logapicalls=1
```

is set in `aamapi52.ini` , even when **adblog** is not activated.

- The size of Web Services XSD schemas automatically increases in relation to the functional domain dependencies referenced by contextual actions.
- All screens created for a given functional domain must be parameterized with the domain as exposed in the Web client as well as the Windows client (**Web Service** (SeWebService) field must be set to **Stand-alone** or **From within parent domain**). Otherwise errors will be generated.

6 Related documentation

Asset Manager reference documents

This section describes the guides that are provided with Asset Manager.

 **Note:**

Beta release documentation: the manuals provided with Asset Manager 5.21 are all in the process of being updated. Some of the content is likely to be obsolete, unclear or not proofread.

Guides in PDF format (Adobe Acrobat)

► See section [List and description of guides](#) [page 156] for the list of guides.

To display a guide in PDF format:

1 Make sure you have installed Adobe Reader.

Otherwise, download Adobe Reader from the following address:

<http://www.adobe.com/products/acrobat/readstep2.html>

2 Start a Windows Explorer.

3 Display the contents of one of the following folders:

- doc\pdf subfolder of the Asset Manager installation folder (Generally this is C:\Program Files\HP\Asset Manager 5.21 xx\doc\pdf)

- ac\program files\HP\Asset Manager 5.21 <installation language code>\doc\pdf folder on the Asset Manager installation CD-ROM
- 4 Open the corresponding PDF file (.pdf extension) with Adobe Reader.

Guides in CHM format (compiled HTML)

- ▶ See section [List and description of guides](#) [page 156] for the list of guides.

To display a guide in CHM format:

- 1 Start a Windows Explorer.
- 2 Display the contents of the doc\chm subfolder of the Asset Manager installation folder (Generally this is C:\Program Files\HP\Asset Manager 5.21 xx\doc\chm)
- 3 Open the corresponding CHM file (.chm extension).

Main online help in CHM format (compiled HTML)

Windows client

Each of the guides in CHM format are grouped in the main online help.

To display the online Help:

- 1 Start the Asset Manager Windows client.
- 2 Do one of the following:
 - Press **F1**.
 - Access the **Help/ Index** menu

Web client

This functionality is not available.

Contextual help for Basic scripts

Windows client

To display help on a Basic script function:

- 1 Start the Asset Manager Windows client.
- 2 Display the script edit window (field or link configuration script, "Script" type action, wizard script).
- 3 Select the name of the function.
- 4 Press **F1** on the keyboard.

Web client

This functionality is not available.

Contextual help on fields and links in the database.

Windows client

To display help for a field or a link in the database:

- 1 Start the Asset Manager Windows client.
- 2 Display the detail that contains the field or link.
- 3 Select the field or link.
- 4 Do one of the following:
 - Press **Shift** and **F1**
 - **Help on this field** menu
 - **Help/ Help on this field** menu

Web client

To display help for a field or a link in the database:

- 1 Start the Asset Manager Web client.
- 2 Display the detail that contains the field or link.
- 3 Select the field or link.
- 4 Press **Shift+F1**.

White papers

The white papers supplied with Asset Manager provide additional technical or business-related information that is not covered in the guides.

The white papers are available in one of the following folders:

- `doc\white_papers` subfolder of the Asset Manager installation folder (Generally this is `C:\Program Files\HP\Asset Manager 5.21 xx\doc\white_papers`)
- `ac\program files\HP\Asset Manager 5.21 <installation language code>\doc\white_papers` folder on the Asset Manager installation CD-ROM

Please read the **About packaged white papers** PDF located in these folders for a summary of the white papers that are provided.

Information about the database structure

Description files are available in the `doc\infos` subfolder of the Asset Manager installation folder (`C:\Program Files\HP\Asset Manager 5.21xx\doc\infos`, generally):

- `database.rtf`: List of tables, fields, links and indexes of the standard Asset Manager database in RTF format.
Use Microsoft Word to display this document.
- `database.txt`: List of tables, fields, links and indexes of the standard Asset Manager database in TXT format.
Use a spreadsheet application to display this document.
- `tables.txt`: List of tables of the standard Asset Manager database in TXT format.
Use a spreadsheet application to display this document.
- `diffxyz.xml`, where **xyz** corresponds to the Asset Manager version number: Lists the differences of the standard Asset Manager database structure between versions xyz and 5.21 in XML format.
Use an XML editor display this document.
- `diffxyz.html`, where **xyz** corresponds to the Asset Manager version number: Lists the differences of the standard Asset Manager database structure between versions xyz and 5.21 in HTML format.
Use an HTML editor or Internet browser to display this document.

Online documentation

Additional documentation for Asset Manager 5.21 can be downloaded from the HP support site at the following address:

www.hp.com/go/hpssoftwaresupport

You will need a user name and password to access the site.

List and description of guides

To locate the guides: ► [Guides in PDF format \(Adobe Acrobat\)](#) [page 153].

 **Note:**

The names of the PDF files given below have this format: ***<Guide identifier>***. The first asterisk (*) corresponds to the software and software version identifier when guide was produced.

The second asterisk (*) corresponds to the language identifier of the guide.

For example: **AM521-Installation-EN**.

AM521-Installation-EN corresponds to Asset Manager version **521**.

EN corresponds to English.

Legal

Open Source and Third-Party Software License Agreements

Name of the PDF file	Name of the CHM file
ThirdParty.pdf	n/a

This guide lists the legal copyright texts associated with with the open source and third-party components used by Asset Manager.

Installation

Installation and upgrade

Name of the PDF file	Name of the CHM file
Installation.pdf	installation.chm

This guide explains:

- Which programs are part of Asset Manager.
- In which environments Asset Manager functions.
- How to upgrade a previous version of Asset Manager.
- How to install Asset Manager and Asset Manager Web for the first time.
- How to configure Asset Manager.
- How to tune Asset Manager.

This guide is intended for engineers who need to:

- Install Asset Manager and Asset Manager Web for the first time.
- Upgrade a previous version of Asset Manager.

Migration

Name of the PDF file	Name of the CHM file
Migration.pdf	migration.chm

This guide explains how to:

- Convert your old-format database to the 5.21 format.
- Upgrade Asset Manager programs to version 5.21.

Migration is performed by engineers in charge of:

- Administering the Asset Manager database
- Installing Asset Manager
- Deploying Asset Manager

Introduction

Concepts and implementation

Name of the PDF file	Name of the CHM file
ConceptsAndImplementation.pdf	concepts.chm

This guide provides an overview of portfolio management and explains how Asset Manager can help you implement it in your organization.

This guide is for anyone who would like an overview of Asset Manager:

- IT manager
- Organizational manager
- Project directors and managers (setup, training, project planning/tracking, Quality Assurance, etc.).
- Integration project managers
- Administrators
- General users

Note:

Users who will only work with specific modules can refer directly to that module's documentation.

Product Review Guide

Name of the PDF file	Name of the CHM file
ProductReviewGuide.pdf	reviewguide.chm

The purpose of this guide is to give someone with no prior knowledge of Asset Manager an overview of some of the common tasks that can be performed with specific focus on the **Asset Tracking** and **Expense Control** processes.

After reading this guide, the reviewer will have a clear understanding of the key advantages to be gained by using Asset Manager.

This guide will be of interest to anyone evaluating the potential of Asset Manager, such as:

- Journalists
- Industry experts
- Consultants

Asset Tracking solution

Name of the PDF file	Name of the CHM file
AssetTrackingSolution.pdf	actracking.chm

This guide aims to provide answers to the following questions:

- What is the Asset Tracking solution?
- What benefits can be expected from the Asset Tracking solution?
- Who should implement the Asset Tracking solution?

This guide will be of interest to anyone evaluating the potential of Asset Manager, such as:

- Journalists
- Industry experts
- Consultants

Expense Control solution

Name of the PDF file	Name of the CHM file
ExpenseControlSolution.pdf	expensecontrol.chm

This guide aims to provide answers to the following questions:

- What is the Expense Control solution?
- What benefits can be expected from the Expense Control solution?
- Who should implement the Expense Control solution?

This guide will be of interest to anyone evaluating the potential of Asset Manager, such as:

- Journalists
- Industry experts
- Consultants

Differences between versions 3.x and 4.x

Name of the PDF file	Name of the CHM file
DifferencesBetweenVersions3xAnd4x.pdf	differencesbetversions.chm

This guide describes the major changes made to Asset Manager between versions 3.x and 4.0.0

The manual includes:

- A module-by-module comparison between versions 3.x and 4.x
- A description of new concepts
- A description of new features
- The list of new tables

This guide is for:

- Engineers performing Asset Manager version 3.x upgrades
- Module specialists who want to know how Asset Manager has evolved between versions 3.x and 5.21

Changes made to Asset Manager after version 4.0.0 are described in the **Release Notes** guide.

Basic functions

User Interface

Name of the PDF file	Name of the CHM file
UserInterface.pdf	userinterface.chm

This guide explains how to use Asset Manager:

- Search for records
- Edit records
- Print data
- Connect to a database
- Use wizards
- Send and read messages
- Display history of changes
- Schedule alarms

This guide is intended for all Asset Manager users.

Asset Manager Web Implementation

Name of the PDF file	Name of the CHM file
WebImplementation.pdf	web.chm

This guide brings together information specific to implementations of Asset Manager Web:

- Installation and upgrade
- Single Sign-On implementation
- Customization
- Configuration and constraints
- Differences between the Windows and Web clients
- Troubleshooting and hints

Accessibility Options

Name of the PDF file	Name of the CHM file
AccessibilityOptions.pdf	accessibility.chm

This guide is for users who encounter difficulties viewing the standard Asset Manager Windows user interface.

This guide explains how to:

- Change the visual aspect of the Windows client
- Use screen reader software
- Navigate without a mouse

Common tables

Name of the PDF file	Name of the CHM file
CommonTables.pdf	commontables.chm

This guide describes the tables used in all Asset Manager modules:

- Departments and employees
- Locations
- Companies
- Floor plans
- Features
- Documents
- News

This guide is intended for all Asset Manager users.

Portfolio

Name of the PDF file	Name of the CHM file
Portfolio.pdf	portfolio.chm

This guide describes how to use the **Portfolio** module:

- Overview
- Organizing a portfolio
- Using the **Portfolio** module
- IT portfolio
- Telephones
- Software
- Work orders and projects
- Adjusting items
- Glossary

This guide is intended for anyone using or implementing the **Portfolio** module.

Contracts

Name of the PDF file	Name of the CHM file
Contracts.pdf	contracts.chm

This guide explains how to manage different types of contracts:

- Insurance
- Lease schedules
- Maintenance
- License
- Application services
- Blanket purchase orders

This guide is intended for anyone using or implementing the **Contracts** module.

Software assets

Name of the PDF file	Name of the CHM file
SoftwareAssets.pdf	sam.chm

This guide explains how to manage, control and protect software assets at each phase of their life cycle.

This guide is intended for users who need to:

- Populate the software contracts database
- Populate the software licenses database (acquisition of rights to use software applications)
- Populate the installations database (consumption of rights to use software applications)
- Monitor that installations comply with licenses
- Manage the software portfolio (installations, updates)

SAM for BTO

Name of the PDF file	Name of the CHM file
SamForBTO.pdf	sam4bto.chm

SAM for BTO is an extension to the Asset Manager Software assets module. It provides additional features and tools specifically designed to help you to manage licensing of HP BTO software products.

Among its benefits:

- to demonstrate compliance and due diligence for licensing audit purposes
- to identify areas of potential licensing overspend where you may be able to make economies

This guide explains how to install, configure and use the optional SAM for BTO module:

- Overview of the business benefits and technology involved
- Explanation of product pricing and license compliance algorithms
- Procedures for installation and configuration
- Best Practices

Warning:

Unlike the other guides listed in this section, this guide can be found in the following folders:

- datakit\bestprac\sam4bto subfolder of the Asset Manager installation folder (Generally this is C:\Program Files\HP\Asset Manager 5.21 xx\datakit\bestprac\sam4bto)
- ac\program files\HP\Asset Manager 5.21 <installation language code>\datakit\bestprac\sam4bto folder on the Asset Manager installation CD-ROM

Financials

Name of the PDF file	Name of the CHM file
Financials.pdf	financials.chm

This guide describes how to use the **Financials** module:

- Currencies
- Expenses
- Fixed assets
- Taxes
- TCO (Total Cost of Ownership)
- Chargebacks

This guide is intended for anyone using or implementing the **Financials** module.

Cable and Circuit

Name of the PDF file	Name of the CHM file
CableAndCircuit.pdf	cable.chm

This guide describes how to use the **Cable** module:

- Overview
- Practical case
- Implementation
- Creating termination fields, cable devices, cables and connections
- Viewing the traces
- Glossary
- Reference information

This guide is intended for anyone using or implementing the **Cable** module.

Procurement

Name of the PDF file	Name of the CHM file
Procurement.pdf	procurement.chm

This guide explains how to manage the procurement of goods and services using Asset Manager:

- Portfolio items
- Work orders
- Contracts
- Contract utilizations

- Training
- Cables

This guide is intended for anyone using or implementing the **Procurement** module.

 **Note:**

The information relating to HP Employee Self Service Catalog provided in the Asset Manager **Procurement** guide, chapter **Request self-service** is complemented by white papers: **Service Catalog Integration - Administration** and **Setup** guides.

▶ [Service Catalog Integration - Administration and Setup Guides \[page 169\]](#)

Advanced functions

Advanced use

Name of the PDF file	Name of the CHM file
AdvancedUse.pdf	advanceduse.chm

This guide explains how to use Asset Manager's advanced functions:

- Itemized lists
- Historization
- AQL queries
- Crystal Reports
- Dashboards
- Actions
- Messaging
- Workflow
- Data export
- Scripts
- Calendars
- Time zones
- Calculated fields
- Wizards
- News

This guide is intended for advanced users.

The **Administration** guide complements this guide.

Administration

Name of the PDF file	Name of the CHM file
Administration.pdf	administration.chm

This guide explains how to:

- Use Asset Manager Application Designer
- Create, modify or delete a database
- Access databases
- Archive data
- Denormalize data
- Import data
- Control access to the database
- Use Asset Manager Automated Process Manager
- Use messaging
- Use Asset Manager as a DDE server

This guide is intended for Asset Manager administrators and advanced users.

Tailoring

Name of the PDF file	Name of the CHM file
Tailoring.pdf	tailoring.chm

This guide explains how to customize Asset Manager:

- Customize the interface of the client workstation
- Customize the database

This guide is intended for all Asset Manager users and administrators.

Reconciliation

Name of the PDF file	Name of the CHM file
Reconciliation.pdf	reconciliation.chm

This guide explains how to update records in the Asset Manager database using data obtained from external tools.

This process is based on the following question: "Does the incoming data already exist in the target application?"

- If the answer is "no", the input data is inserted.
- If the answer is "yes", the existing data is updated according to the information contained in the input data.

This guide is for:

- Asset Manager administrators who want to automate database updates.
- Users designated to process reconciliation proposals in Asset Manager.

Programmer's Reference

Name of the PDF file	Name of the CHM file
ProgrammersReference.pdf	progref.chm

This chapter explains how to use Asset Manager's programming libraries.

The reference includes:

- A detailed description of each function
- An index of functions by domain (for example, **Procurement**)
- How to use the functions

This guide is intended for persons programming in the Windows environment who plan to:

- Use the Asset Manager APIs
- Create configuration scripts for fields or links
- Create **Script** action types
- Create wizards

Tuning

Name of the PDF file	Name of the CHM file
Tuning.pdf	tuning.chm

This guide describes Asset Manager tuning strategies.

In particular, it deals with certain techniques to reduce bottlenecks caused by:

- The network
- The database server
- The Asset Manager client
- The database engine

This guide is intended for Asset Manager administrators.

Automatic software mechanisms

Name of the PDF file	Name of the CHM file
AutomaticSoftwareMechanisms.pdf	autosoftmechan.chm

This guide describes the automatic software mechanisms used to process data in Asset Manager.

The guide is intended for:

- Database administrators
- Persons in charge of implementing and/or customizing the Asset Manager database

Physical data models

Name of the PDF file	Name of the CHM file
PhysicalDataModels.pdf	Not available

This guide presents diagrams of the physical data models.

Each of these diagrams contains one or more tables used by the Asset Manager modules.

Understanding the database structure can help you:

- Create queries
- Customize the database
- Define user profiles
- Access the database without using the Asset Manager user interface
- Import or export data

This guide is intended for anyone who needs to learn about the structure of the database.

Database structure

Name of the PDF file	Name of the CHM file
Not available	dbstructure.chm

This guide describes the entire structure of the standard Asset Manager database (available in .chm format only):

- Tables
- Fields
- Links
- Indexes
- Automatic background processes

Integrations

The following documents detail integrations between Asset Manager, other HP Software products, and third party software.

Integration with software distribution and configuration management tools

Name of the PDF file	Name of the CHM file
IntegrationWithSoftwareDistribution-Tools.pdf	softdist.chm

This guide explains how to integrate Asset Manager with software distribution tools.

In this type of integration:

- 1 Asset Manager is used to **create** scheduled tasks.

 **Note:**

A scheduled task is used to distribute a software package to or execute a script on a set of target computers.

- 2 The distribution tool is used to **execute** the scheduled tasks defined in Asset Manager.

This guide should be read by IT team members in charge of software distribution.

Service Catalog Integration - Administration and Setup Guides

Name of the PDF file	Name of the CHM file
Service Catalog Integration - Administration Guide.pdf	Not available
Service Catalog Integration - Setup Guide.pdf	

These guides document the software Integration between Asset Manager and HP Employee Self Service Catalog. (Available in .pdf format only)

The guides are intended for:

- Database administrators
- Persons in charge of implementing and/or customizing the Asset Manager database

 **Note:**

The information in these guides supplements the information relating to HP Employee Self Service Catalog provided in the Asset Manager **Procurement** guide, chapter **Request self-service**.

- ▶ [Procurement](#) [page 164]

Service Asset and Configuration Management

Name of the PDF file	Name of the CHM file
SACM.pdf	sacm.chm

This guide documents the software Integration between HP Discovery and Dependency Mapping Inventory, Asset Manager, HP Universal CMDB and HP Service Manager. It details the following:

- The business benefits provided by implementing the integration between these products
- How to install and configure the components
- Technical reference descriptions for the data mappings used between the components.
- Field mapping for HP Discovery and Dependency Mapping Inventory and Asset Manager integration and for integration between HP Universal CMDB and Asset Manager

Integration with HP Project and Portfolio Management

There is no separate guide covering this integration. For details, see the **Portfolio** guide, **Projects** chapter, **Synchronizing project data from HP Project and Portfolio Management** section.

Integration with HP Data Center Infrastructure Management

Name of the PDF file	Name of the CHM file
IntegrationWithDCIM.pdf	dcim.chm

This guide documents the software Integration between Asset Manager and HP Data Center Infrastructure Management (Aperture VISTA). It details the following:

- The benefits of integrating Asset Manager and HP Data Center Infrastructure Management.
- The technical solution underlying this integration, and the practical steps needed to implement it.
- The enhanced user facilities that the integration provides in both systems, and Best Practice procedures for using them.

7 Additional information and documentation errors

This chapter contains important information that has not been provided in the guides or that replaces existing information.

The following guides are impacted:

Filters drop-down list on the Web client

User Interface guide, chapter **Searching for items in a table**, section **Overview of search filters/ Web client**, and

Asset Manager Web Implementation guide, chapter **Differences between the Windows client and the Web client**, section **Differences between the clients/ Record lists**.

In these sections, the condition for the table index filter appearing in the filter drop-down list is not accurate. On the Asset Manager Web client, the table index filter will appear in the filter drop-down list if the index is not on the primary key. The indexed fields or links don't need to be part of the screen for the table index filter to appear.

8 Support

HP Software support Web site

You can visit the HP Software Support web site at:

www.hp.com/go/hpsoftwaresupport.

This Web site provides a list of contacts and information about products, services and support provided by HP Software.

HP Software online software support provides facilities to help users resolve their problems. It also provides a quick and efficient means to access interactive technical support tools to manage specific issues. As a technical support customer, you can use the support site to:

- Search for knowledge documents of interest
- Submit and track support cases and enhancement requests
- Download software patches
- Manage support contracts
- Look up HP Software support contacts
- Review information about available services
- Enter into discussions with other software customers
- Research and register for software training

Most of the support areas require that you register as an **HP Passport** user and sign in. Many also require a valid support contract. To find more information about support access levels, go to:

http://h20230.www2.hp.com/new_access_levels.jsp

To register for an **HP Passport ID**, go to:
<http://h20229.www2.hp.com/passport-registration.html>

Limited responsibility clause

Asset Manager is integrated with several third-party applications.

Examples: Database engines, Web servers, single sign-on software, load-balancing and clustering hardware and software solutions, reporting software such as Crystal Reports, etc.

Support for these applications is limited to their interface with Asset Manager.

Support does not cover installation problems, setup and customization problems nor malfunctioning of the third-party application.

9 Open Source and Third-Party Software License Agreements

Asset Manager uses portions of third-party software products, some of which are subject to specific software licenses.

Details of these licenses for third-party components can be found in the **Open Source and Third-Party Software License Agreements** guide.

