



Asset Manager

Software Version: 9.62

Windows® and Linux® operating systems

Release Notes

Document Release Date: December 2016

Software Release Date: December 2016



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Asset Manager release notes

for the Windows® and Linux® operating systems.

Software version: 9.62

Publication date: December 2016

This document is an overview of the changes made to Asset Manager (AM). It contains important information that is not included in books or Help. You can find information about the following in this document:

["What's new in Asset Manager 9.62" on the next page](#)

["Installation" on page 6](#)

["Enhancement requests included in this release" on page 9](#)

["Fixed defects in this release" on page 10](#)

["Known problems, limitations, and workarounds" on page 15](#)

Support Matrix

For information about the installation requirements and compatibility with other products, see the Asset Manager Support Matrix. The support matrix may be updated between releases, and so is only available at the HPE Support web site:

<https://softwaresupport.hpe.com/group/softwaresupport/support-matrices>

The support matrix includes the following information:

- **Requirements**
 - Hardware
 - Operating System
 - Databases
 - Application Servers
 - Web Servers
 - Web Browsers and Plug-ins

- **Compatibility**

- Languages
- Internationalization Variances
- Virtualization Products
- High-Availability Products
- HP Software Integrations
- Third Party Product Integrations
- HP Software Coexistence
- Other Software Coexistence
- Performance and Sizing

- **Obsolescence Plans**

What's new in Asset Manager 9.62

This version of Asset Manager brings the following new features and updates:

- Adopt AutoPass JAVA 9.40 to activate Asset Manager license
- Support Microsoft Windows Server 2016
- Support Microsoft SQL Server 2016

Installation

Asset Manager 9.62 is an incremental package, you need to make sure that you have Asset Manager 9.60 installed before applying the incremental package.

You can find steps to install Asset Manager 9.60 in the Asset Manager 9.60 *Installation Guide* on the product installation media at this location:

ac\program files\HPE\Asset Manager 9.60 <installation language code>\doc\pdf

After installation, the Asset Manager Installation Guide is available at this location:

<Asset Manager 9.60 installation folder>\doc\pdf.

Back up configuration files

Before you upgrade Asset Manager programs, we recommend that you back up the following configuration files as necessary.

- `<AM installation directory>\amsrv\bin\amsrvcf.ini`
- `<AM installation directory>\websvc\package.properties`
- `<AM installation directory>\websvc\quicksearch.properties`
- `<AM installation directory>\webtier\package.properties`

After you upgrade the Asset Manager programs, the customizations in these configuration files are overwritten by standard properties. Therefore, you need to manually apply the changes again after the upgrade.

Applying the incremental package

To upgrade the Asset Manager programs:

1. Make sure you have Asset Manager 9.60 installed.
2. Upgrade to Asset Manager 9.62 by applying the incremental package.

Note: After you apply the Asset Manager 9.62 incremental package, the program and configuration files in the Asset Manager 9.60 folder are updated. The upgrade procedure does not change the Asset Manager folder name.

To apply an incremental package, follow these steps.

1. Make sure that you have Java 7 or greater version installed.
2. Acquire and unzip the incremental package.

Note: Usually, the name of the incremental package is similar to `DeltaPatch.zip`.

3. Disconnect all user and services from the Asset Manager database.
4. Shut down the:
 - Asset Manager Automated Process Manager
 - Asset Manager APIs
 - External programs that access the old-format production database.
 - Asset Manager Web tier and Web service
5. Run the `applyPatch.bat` file with administrator rights.
6. A command-line window appears.
7. Enter the installation directory of the old version of Asset Manager. For example, `C:\Program Files (x86)\HPE\Asset Manager <version> en`.
8. Enter Yes to confirm the installation. If you enter No, you can enter the installation directory again.
9. Wait until the upgrade finishes.
10. A log file named `patch.log` is created in the `patch_logs` folder.
11. A backup file named `oldPatchFiles.zip` file is created in the `BackupOldFiles` folder.

Note: The `oldPatchFiles.zip` file contains the old version of the Asset Manager binary and configuration files which are modified by the installer. If you want to install the incremental package again (or re-apply the incremental package when upgrade fails), you must manually back up the `oldPatchFiles.zip` file. Otherwise, the `oldPatchFiles.zip` file will be overwritten and you will lose the backup of these old binary/configuration files.

12. If the upgrade is successful, a file named `<version>.success` (for example, `9.61.15xxx.success`) is created in the `BackupOldFiles` folder.
13. If the upgrade fails, view the `patch.log` file, correct the issue, and then run the incremental package again.

Note: In Linux, run the `applyPatch.sh` file instead of `applyPatch.bat`.

Verify that Asset Manager can be launched without problems

If you are having problems launching Asset Manager 9.62, contact user support.

How to roll back to the old version of Asset Manager

To roll back to the old version of Asset Manager, unzip the `oldPatchFiles.zip` file, and then manually replace the corresponding files in the installation folder with the files in the `oldPatchFiles.zip` file.

Note: The rollback is only about binary and configuration files, it does not change the database structure.

Enhancement requests included in this release

The reference number for each enhancement is the Change Request (QCCR) number. For more information about fixed defects, visit [HPE Software Support Online](#), or contact your HPE Support representative directly.

This release has the following enhancements. The following table includes all enhancements that were implemented after the release of Asset Manager 9.61.

ER ID	Description	Resolution
QCCR1E136605	Asset Manager cannot pass values to a linked table through RESTful API. Request to allow Asset Manager to update and create values in linked tables via RESTful API.	Values of linked table can be updated and created via RESTful API.
QCCR1E136887	Request to enlarge the display size of input page number in the display list on the web client. Input page number should be displayed totally.	Display size of input page can contain 5 digital numbers.

Fixed defects in this release

The reference number for each fixed defect is the Change Request (QCCR) number. For more information about fixed defects, visit [HPE Software Support Online](#), or contact your HPE Support representative directly.

For information about fixed defects in previous Asset Manager releases, download the release notes of previous Asset Manager releases from the HPE Support web site:

<https://softwaresupport.hpe.com/group/softwaresupport/search-result/-/facetsearch>

This release fixes the following defects. The following table includes all fixes that were implemented after the release of Asset Manager 9.61.

CR ID	Description	Resolution
QCCR1E129973	No confirmation message pops up after deletion.	User will receive notification after deletion.
QCCR1E136060	Strings have different font size and format on the "Contract parent link" page of the French version of the web client.	Font size and format are aligned.
QCCR1E136143	An error message is expected in the response body when POST request is sent using REST application and AQL queries on Websphere,	Error code and message are returned properly if the parameter is enabled on WebSphere. To enable the parameter, in the web.xml file, the comment tags for the following lines need to be removed. <init-param> <param-name>jersey.config.server.response.setStatusOverSendError</param-name>

CR ID	Description	Resolution
	just like you would receive such an error description body when using Tomcat.	<code><param-value>true</param-value></code> <code></init-param></code>
QCCR1E136498	After you switch among tabs and refresh the screen, certain data is no longer displayed in the relevant fields.	The data is displayed correctly.
QCCR1E137011	Users without Admin rights cannot print a Crystal report.	Users without Admin rights can print a Crystal report correctly.
QCCR1E136825	Users are not able to see software installations linked to a portfolio item via the web client.	Users are able to see software installations linked to a portfolio item via the web client.
QCCR1E125684	Line chart does not show up in wizard on the web client.	Wizard shows line chart properly on the web client.
QCCR1E136684	You try to access the Application Services and receive a "Sorry, you are not authorized to access the specified resource. Please login again to refresh authorized resources" error. Then, the "Contracts Quick Search" cannot be run.	The "Contracts Quick Search" can always be run.

CR ID	Description	Resolution
QCCR1E137229	Asset Manager REST API authentication will fail if more than one Asset Manager web service have been deployed in the load balance environment.	There will be no authentication error to access Asset Manager REST API.
QCCR1E136448	With WebSphere on Linux as application server, when you use web services to get the content of a field, the response is limited to 2,000 characters even if the maximum length is set to 4,000.	The length setting works correctly now.
QCCR1E119665	Actions on business home page 'Organization' result in an Access Deny error.	Actions on Business home page works correctly.
QCCR1E137052	Action drop-down list is too wide and may cover the "Back to list" link button.	Action drop-down list does cover link buttons.
QCCR1E137024	It takes a long time to log on to Asset Manager web client with Postgresql database.	The performance is improved.
QCCR1E130542	On the web client, some	On the web client, by default, the content is horizontally aligned. When creating a new page, if

CR ID	Description	Resolution
	fields are not well aligned on the screen, but on the Windows client, layout is correct.	<p>you want your content vertically aligned, you need to append "VSplitControl" before the content.</p> <p>For more information about "VSplitControl", see AM Help > Administer > Tailor > Customizing databases > Customizing the database > Creating new objects > Creating a page.</p>
QCCR1E129650	<p>When you are going to delete a record, if you switch tree view to list view, the confirmation message disappears and an incorrect warning message shows up:</p> <p>"The selected records have already been deleted. "</p> <p>However, the item is not deleted.</p>	The option of switching to list view/ tree view is hidden when you are confirming a deletion.
QCCR1E137490	You cannot create empty database on Oracle with 64bit Linux amd64.	You can create empty database on Oracle with 64bit Linux amd64 successfully.
QCCR1E137034	PostgreSQL will not use index for LIKE query in AQL.	New index has been added for text field and it will use the new index for LIKE query in AQL.
QCCR1E137146	In Advanced Use Guide > AQL queries > AQL function reference > Test type AQL functions, the AQL decode function name is 'AQLdecode',	The function name is corrected.

CR ID	Description	Resolution
	however, it should be 'AqlDecode'.	
QCCR1E137272	Request to have more detailed documentation about LDAP configuration on the web client.	<p>The following note is added to the "Using OpenSSL and OpenLDAP" chapter of the Installation guide.</p> <p>In order for some required libraries to be found by Asset Manager Web, make sure [Asset Manager installation folder]\bin (32-bit) or [Asset Manager installation folder]\x64 (64-bit) is included in the system-library search path:</p> <p>Windows: environment variable Path</p> <p>Linux: environment variable LD_LIBRARY_PATH.</p> <p>Linux: Configuration file of ld.so, also.</p> <p>If both bin and x64 are present in the path, make sure the one desired precedes the other.</p>

Known problems, limitations, and workarounds

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

- ["General and database"](#)
- ["Web client"](#)
- ["Web services"](#)
- [Workarounds](#)

General and database

- When you migrate an Asset Manager database from an earlier version in Application Designer, Asset Manager tries to create the amStatistic table with a duplicated column name (UPPERStatistique_SQLName) and the migration stops. You can find the following information in sdu.log:

```
<DateTime> 4 1 (-2006) Oracle error: ORA-00957: duplicate column name
<DateTime> 4 1 (-2006) SQL statement 'CREATE TABLE amStatistic
(lStatisticId NUMBER(10) Default 0 NOT NULL, dtLastModif DATE, AqlAgregExpr
VARCHAR2(255 CHAR), b3D NUMBER(5) Default 0 NOT NULL, bLegend NUMBER(5) Default
0 NOT NULL, bMarble NUMBER(5) Default 0 NOT NULL, bScript NUMBER(5) Default 0
NOT NULL, bStacked NUMBER(5) Default 0 NOT NULL, bStored NUMBER(5) Default 0 NOT
NULL, bUseAgregExpr NUMBER(5) Default 0 NOT NULL, Colors VARCHAR2(500 CHAR),
GroupBy VARCHAR2(255 CHAR), Name VARCHAR2(128 CHAR), seType NUMBER(5) Default 0
NOT NULL, SQLName VARCHAR2(32 CHAR), SubGroupBy VARCHAR2(255 CHAR), TableName
VARCHAR2(25 CHAR), Title VARCHAR2(128 CHAR), lCommentId NUMBER(10) Default 0 NOT
NULL, lDataId NUMBER(10) Default 0 NOT NULL, lDomainId NUMBER(10) Default 0 NOT
NULL, lFilterId NUMBER(10) Default 0 NOT NULL, lIconId NUMBER(10) Default 0 NOT
NULL, lScriptId NUMBER(10) Default 0 NOT NULL, UPPERStatistique_SQLName VARCHAR2
(33 CHAR), UPPERStatistique_SQLName VARCHAR2(32 CHAR) )' could not be executed
```

- The following error log is found when you import the demo database to Oracle:

```
Oracle error: ORA-01795: maximum number of expressions in a list is 1000 ('Line
13 of script 'FINISH.Do, line 361')
```

```
SQL statement 'delete from LastId where IdSeed IN
(2607,3905,3904,3903,...,2716,2715,2714,' could not be executed ('Line 13 of
script 'FINISH.Do, line 361''')
```

- amPortfolio screen displays incorrect Components records.
- Unique constraint violated error found in log when you enable archival, but there is no error message in Application Designer.
- Asset Manager Client is not able to load dynamic library (libeay32-12.dll) because it is not compatible with the SecureLogin product.
- When trying to install Asset Manager FullDemo for evaluation, the following error occurs.

```
Error 1311 "source file not found C:\AM_Install\AssetManager
<version>\ac\AutoWe~1.cab. Verify that the file exists and that you can access
it."
```

- When you try to log on, you may receive an error message indicating that a duplicated value is being inserted into the connection slot table. This happens to both Windows and Web client users with Oracle RAC system. To work around this issue, refer to ["Stored procedure change for database" on page 1](#).
- Asset Manager allows a non-modal wizard to run as a separate child-window on the Windows client. However, if you enable multi-tenancy, the non-modal wizard can only run in the modal mode, in that case, you cannot switch to another child-window.
- If you copy a field with Cyrillic characters to a text editor, the Cyrillic characters are shown as question marks.
- The **amcomputeAllLicAndInstallCounts()** function does not work with the SAM package. If you use a SAM package, we suggest that you disable the **Calculate all software Installations** wizard, and instead use the SAM wizard: **Software counters batch calculation**.
- In the scenario that a recursive function in Asset Manager uses local variables, the result of the function may be incorrect. This is a known limitation that Asset Manager scripts only support tail recursion (also known as tail call) in this particular scenario.
- The **HoursDiff** method returns differing values depending on which database is used. For example, suppose that you have an actual time differential of 59 minutes between two times. In a DB2 or Oracle database, this value is returned as 0, which indicates no time differential. However, in an MSSQL database, this value is returned as 1, which indicates a 1 hour time differential.

Note: This issue occurs because different databases calculate 59 minutes as either 0 or 1 hour depending on the rounding policy implemented in that particular database.

- The format of a list box on the Web client differs from the format of a list box on the Windows client. Specifically, the format on the Web client is as follows:

A|B|C

However, the same format on the Windows client, is as follows:

A\B\C\

Note: This issue applies to all array data types and therefore can occur in any control that is populated by an array.

- The **AmComputeAllLicAndInstallCounts** function does not automatically compute the **Compliance** field. Instead, you can only re-compute the **Compliance** field when you manually click the **Calculate** button. Therefore, there is no mechanism by which the **Compliance** field can be updated.

Note: This function is not intended to compute the Compliance field.

- When a leveraged user has access to the shared data but does not have administrator rights tries to resolve an Inventoried model, the resolution operation may fail with the following error:

"You don't have the right to create or modify this record (Write access restriction not respected on table 'Software installations or utilizations (amSoftInstall)') ('Line 14 of script 'Propagate the resolution of an inventoried model' of table 'Inventoried models (amInventModel)')"

To work around this issue, follow these steps:

- a. Add the following new Boolean field to the amInventTable: **hp_blsModified**
 - b. Create a workflow that changes **hp_blsModified** to **true** whenever a user resolves an **amInventModel** record.
 - c. Create a second workflow that periodically (for example, every 10 minutes) performs the following operations:
 - Check for every **amInventModel** record with **hp_blsModified** set to true.
 - Propagate each **amInventModel** record to softInstall/portfolio Items.
 - Set the **hp_blsModified** field to false.
- Asset Manager is FIPS-ready only on Windows platform.
 - The Asset Manager Automated Process Manager **Initial delay before triggering** (FirstTimeOut) setting is not taken into account by the **Searching for new workflow execution groups** and **Signaling presence of database server** modules.

- SAM queries (SQL name: SAMQ) is a reserved functional domain in which no customization (such as adding customized queries and wizards) is allowed.
- Wizards cannot be attached to the **Modify** button on table screens; otherwise, an infinite loop will occur when clicking the button until you cancel the modification.
- Entering non-built-in language characters in the Asset Manager Application Designer is currently not supported (for example, if you enter non-English characters in the English version Asset Manager Application Designer and save the database change, the labels/descriptions become messy code upon reconnection). To avoid database corruption, Asset Manager Application Designer will prompt a warning against such operation.
- If your Asset Manager database has multi-tenancy enabled, it is not recommended to use the **DBLISTBOX** control in wizards as the control is not tenant aware on the Web client.
- 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.
- When exporting a list using the **Utilities\ Export the list** (Windows client) or **Utilities\ Export Excel** (Web client) contextual menu, the exported data does not allow more than 255 characters in any column. Fields with more characters will be truncated to 255 characters.
- After upgrading from version 4.x, the functional domains might not be correct. You have to verify them.
- If the itam login already exists in the local MSSQL instance during the installation, the connection to the demonstration database assumes that the associated password is **password**.
- If a database named **AMDemoxxx** (where **xxx** corresponds to the Asset Manager installation version and language) already exists in the local 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.
- 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 9.62 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.

Refer to 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 SAP 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

- When you open the "My workflow tasks" screen on the web client, the following error occurs:

```
Error (12,002): Table '' does not exist. ('Line 9 of script ''Formula' of
calculated field 'Description of the task in progress (cf_
sysCoreTaskDescription)' in table 'Workflow tasks (amWfWorkItem)''')
```

The problem happens only on the Web client when the following three conditions are met:

- The **New** button on the screen has a relevant script.
- The screen returns no data in the list.
- The table where the screen is defined contains a calculated field that calls the `amGetComputeString` function in the Basic script.

To fix the error on the "My workflow tasks" screen, follow these steps:

- a. In the AM Windows client, go to **Administration > System > Calculated fields**.
- b. Locate the calculated field by SQL Name "sysCoreTaskDescription".
- c. Change the last line in the Basic script from "`retval = amGetComputeString(strTable, lId, strCS)`" to the following:

```
if strTable <> "" then
  retval = amGetComputeString(strTable, lId, strCS)
else
  retval = ""
end if
```

- You cannot drag and drop a table column on the Web client. This issue occurs only when you use Internet Explorer as the web browser.

- On the Web client, the **amOpenScreen()** and the **AmOpenScreenEx()** functions do not work if they are used as "Actions on log-on".
- When using Asset Manager with Oracle Database 10g , 11g, or 12c, if you add a field with a long SQL name (SQL name is 29 or 30 characters) to the **Columns in the list** for a screen, and then set a filter on this screen, the Web client returns the ORA-00972 error.
- The **amActionExec()** API cannot be used to open a URL in the Web client.
- Auto-completion functionality is not available in the **LinkEdit** control on the wizard page of Asset Manager Web client.
- The **amActionPrintPreview()** API is not supported in the Web client, nor can it be used to view the reports stored in the SAP BusinessObjects Enterprise database. Thereby, you cannot view the Crystal Reports via the View reports and charts option of the **Manage software...** wizard in the 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, refer to **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.)
- 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 9.32, 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 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,
 - n 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:

- a. Start Asset Manager Web Service:

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

- b. 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.
- 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 (**Asset lifecycle/ Software asset Management/ User actions/ 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.
- Different progress bar icons are used in homepage widgets and templates.
- List view is refreshed when resizing its columns on web client.
- On the web client, when you select a contract from the list, press the actions button and select "Add/Modify a Document", the wizard does not give you the option to upload a file.
- In a multi-tenancy environment, some entries in a DBListbox are not visible.
- An AQL widget only exports 30 records in csv.
- The action "Create screen from view" on the web client takes a long time to finish.

Web services

- Error tagging Web Services after Asset Manager migration.

Context: After converting an old version of the database to version 9.62, you tag the database using Asset Manager Application Designer (**Action/ Tag Web service** menu) or you check the Web services (**Administration/ User actions/ 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 **StackOverflowExceptionWeb** client error.
- 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.
- If there is no ODBC to the database on the client computer, the AM Windows client cannot make the connection with the web service authentication.

Workarounds

- **Issue:** On the Windows client, the Asset tab in the Portfolio screen disappears when you select multiple records with the same Nature. The issue occurs if there are any filters applied in the screen.

Workaround: Add `CreateSubDetailForLinkedWithMoreThan parameter=20` in the current data source connection settings in the `amdb.ini` file. For example:

```
[AMDemo<version>en]
Location=AMDemo<version>en
...
...
CreateSubDetailForLinkedWithMoreThan=20
```

- **Issue:** After a re-index is triggered for the current user, if the user clicks the search result, a 404 error occurs.

Workaround: Close the browser and open a new window for search.

- **Issue:** Different pages order in the `amRequest` screen causes web service startup failure.

Workaround: In one screen, make sure that the page `PgDSLReqLine` is ahead of `PgReqOrder`.

- **Issue:** When a user with the "contract manager" role tries to create/modify contract records, the following error message appears.

"error (12,008): you don't have the right to create or modify this record (write access restriction not respected on table Contracts (amContract))".

Workaround: Duplicate the "contract management" profile and use the duplicated profile to work around this issue.

- **Issue:** On the Windows client, from the menu bar on the top, go to **Asset lifecycle > IT financial management > Budgets**.

Clicking **Budgets**, the budgets screen is not opened.

Workaround: Use the navigation bar instead.

- **Issue:** ApiName parameter does not yield the desired result.

Workaround: Remove the sysamportfolio page and the error will disappear.

- **Issue**The AM client does not update all selected records.

When selecting a list of about 150 Portfolio Items and trying to update a field (Location for example) to a new value, the update action completes without errors, but not all of the records are updated to the new value.

Workaround: Set the option on the AM client:

```
/Advanced/MultiSellIterativeUpdateThreshold=500
```

- **Issue:**On the AM web client, when clicking the "New" button on the detail screen of a record that has a custom button with a relevant script longer than 1 line, a java.lang.NullPointerException occurs.

Workaround: Convert the relevant script into one line.

- **Issue:**When deploying Asset Manager to Weblogic, PNG images are not loaded on the screen.

Workaround: Add the following lines in the web.xml file of AssetManager.ear:

```
<mime-mapping>
  <extension>png</extension>
  <mime-type>image/png</mime-type>
</mime-mapping>
```

The lines above should be placed before:

```
<welcome-file-list id="WelcomeFileList">
  <welcome-file>cwc/index.jsp</welcome-file>
</welcome-file-list>
```

Then, update the deployment in the Weblogic console.

- **Issue:**A user logs on to the Asset Manager client, changes his password, and then attempts to launch a Crystal report, the 'Status of the user account (seLoginStatus)' becomes locked. In addition, the following message appears:

```
[Thrd#:6048](16384) Crystal error: Error in File tmp01492025257.tmp:\nUnable to connect: incorrect log on parameters.\nDetails: [Database Vendor Code: -2000 ]
```

Workaround: Disconnect and reconnect using the new password before launching any reports.

- **Issue:**"Unknown DDE service" error is encountered when attempting to export a list to Excel in a

64-bit environment.

Workaround: Add below section in win.ini file under [Drive]:\Windows folder

```
[Ddeservices]
```

```
Excel=<Your Excel installed folder\Excel.exe>
```

- **Issue:**When clicking the **New** button on the portfolio items table while using the web client, the following error appears:

```
java.lang.NullPointerException
```

Workaround: Write the relevance script of buttons with the pattern below:

```
RetVal = ([CurrentUser.lEmplDeptId] = [User.lEmplDeptId]))
```

For example, there is one button "RecalcTotal" in amportfolio full screen, write the relevance script like:

```
RetVal =( [OSEP.lSAAOSEPIId] <> 0 )
```

- **Issue:**When using double-precision numbers to do equal comparisons, the minimum degree of accuracy is not good enough.

Workaround: To perform a double precision equal comparison, set a meaningful degree of accuracy; for example: 0.0001. Then, compare the absolute value of the result of the subtraction of two double-precision numbers. It means if the rounding error is less than 0.0001, the two compared values will be considered as equal.

Sample:

```
Dim fQty as double
dim fQtyInvoiced as double
dim fQtyToInvoice as double
```

```
fQty = 1
fQtyInvoiced = .75
fQtyToInvoice = .25
```

```
If abs(fQtyToInvoice - (fQty - fQtyInvoiced)) < 0.0001 then
print "This equation evaluates to TRUE. The rounding error between fQtyToInvoice
and (fQty - fQtyInvoiced) is less than 0.0001, which is considered as
fQtyToInvoice == fQty - fQtyInvoiced. The rounding value of (fQtyToInvoice -
(fQty - fQtyInvoiced)) to the 18 digits after the decimal point is " &
roundvalue((fQtyToInvoice - (fQty - fQtyInvoiced)) ,18)
Else
print "This equation evaluates to FAULS. The rounding error between
```

```
fQtyToInvoice and (fQty - fQtyInvoiced) is greater than 0.0001, which is
considered as fQtyToInvoice <> fQty - fQtyInvoiced. The rounding value of
(fQtyToInvoice - (fQty - fQtyInvoiced)) to the 18 digits after the decimal point
is " & roundvalue((fQtyToInvoice - (fQty - fQtyInvoiced)) ,18)
End If
```

- **Issue:**When you execute a Connect-It 9.20 scenario against a large Asset Manager database, you receive the following error message:

```
Error: [(Computer) amComputer] (16384) 'AssetCenter/Asset Manager' API error:
'Oracle error: ORA-01000: maximum open cursors exceeded
```

```
SQL statement 'SELECT N1.lNetworkCardId, N1.PhysAddress, N1.Description,
N1.SubnetMask, N1.TcpIpAddress FROM amNetworkCard N1, amComputer C2 WHERE
C2.lComputerId = :1 AND N1.lCompId=C2.lComputerId' could not be executed'
```

Workaround: Increase the open_cursors count in Oracle Database.

- **Issue:**On the web client, you enter some values for the Maint Contract field of an asset, a pop-up message shows up asking if a new contract should be created.

When clicking the "On the fly creation" button or the "Detailed creation" button, the following error message is displayed:

```
Error (12,002): Field 'MaintContract' (ID='Field13', ApiName='') not found in
page 'pgAstMain'.
```

Workaround: You can make the Purpose field of amContract mandatory so that it is never empty.

- **Issue:**In a custom wizard, when the user clicks a check box, it does not always change value. Sometimes the user has to click several times to enable or disable a check box.

Workaround: Add caption for the check box control.

- **Issue:**On the web client, under certain conditions, the drop-down list of a link control is empty.

Workaround: For example:

Table : amAstCntrDesc

Page : pgTSAstCntrNew2

Label Tab : Contract info

Change

```
WhereCond : Parameters |WhereCond="lContractId=amDbVal(amAstCntrDesc:lCntrId)"
Id="3"
```

To

```
Parameters |WhereCond="lContractId=amDbVal(Contract.lCntrId)" Id="3"
```

- **Issue:**When applying an update to the master record, the Windows client crashes without an error message. The user is still logged on when this issue occurs.

Workaround: AM crash because the script returns no value in ReadTransChgHistory function of GEHCLib script library.

In script gehcApplyUpdatesToAsset, there is one line "for j = 1 to CountValues(sTransHistory, ",", "\"). However for this issued record (lportfolioitemid = 3424536), according to the SQL designed in ReadTransChgHistory function of GEHCLib script library, there is no return value.

This is the script that sets the SQL sentence value. If you print the SQL sentence and run directly in database, you will see it is incorrect.

```
sQry =          " SELECT dtLastmodif, Field, PreviousVal, NewVal FROM amHistory
"
sQry = sQry &" WHERE HistObjTable = '" &sTable &"'"
sQry = sQry &" AND lHistObjId = " &lRecId
sQry = sQry &" AND dtLastmodif >= #" &dtTrans &"#"
sQry = sQry &" AND FieId <> 'lTransactionId'"
'sQry = sQry &" AND "
'sQry = sQry &" ORDER BY dtLastmodif DESC"
'sQry = sQry &" ORDER BY FieId DESC"
sQry = sQry &" ORDER BY FieId"
sQryRes = amDBGetListEX(sQry, "|", ",", "=", "")
```

Check this part of the script and make up the logic in gehcApplyUpdatesToAsset to do justification before using sTransHistory.

- **Issue:**When clicking a catalog/product details and run through the tabs (pages), an error occurs with no further explanation on the error nature.

Workaround: Workaround is to add another field on this table, move the data from ICatProductId to this added field, remove the irrelevant script from ICatProductId and design an irrelevant script on this added field, and design this added field into screen page to let users check this field rather than ICatProductId . You also need to design a workflow (process without server) to post-insert ICatProductId data to this added field when creating a new record. It is better to create a unique index on the added field.

Notice that you need to do the database dump before taking any action. And during this implementation, shut down AM in all components.

- **Issue:**When setting up user functional rights for the Crystal Reports report action button, the customer cannot configure proper minimal rights to make this particular button available for common user.

All other types of action buttons are available. Crystal Reports report action button is only available when setting up Functional Rights to General Full Access.

Workaround: Check "Granted by default" and change the reset of domain access setting accordingly.

- **Issue:**A screen is created on the amPortfolio table with System Filter 'Asset.seSoftLicMulti = 0'; the value of the Single/Multiple (amAsset.seSoftLicMulti) field appears correctly (Single) on the Windows client for the new records created.

However, while creating new records using the web client, the Single/Multiple (amAsset.seSoftLicMulti) field takes the value 'Multiple' and the field cannot be edited.

Workaround: Remove the following script from seSoftLicMulti in the Asset table.

```
RetVal = [Model.seSoftLicMulti]
```

- **Issue:**AMDBA does not work as expected when deleting denormalized fields.

Workaround:

- a. Export the database structure.
 - b. Perform the deletion of both denormalized fields on the exported structure first, save the database structure.
 - c. Connect to the active database and perform action/ integrate a customization using the modified database structure as the reference for the structure of the new database.
- **Issue:**User can see and apply action even if he/she has no rights to do so in the AM web client.

Workaround: Change the button "+Screen" relevance script to below:

```
RetVal = [CurrentUser.bAdminRight]
```

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