



Asset Manager

Software Version: 9.70

Windows® and Linux® operating systems

Release Notes

Document Release Date: January 2018

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Asset Manager release notes

for the Windows® and Linux® operating systems.

Software version: 9.70

Publication date: January 2018

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 9.70" on the next page](#)

["Enhancement requests included in this release" on page 6](#)

["Fixed defects" on page 9](#)

["Known issues" 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.softwaregrp.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 9.70

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

- Asset Manager is now a software product of Micro Focus. Hence, all Asset Manager programs are rebranded with the name "Micro Focus Asset Manager."
- Support matrix update.
 - Oracle 12c R2 database is supported.
 - Tomcat 8.5 application server is supported.
 - Apache 2.4.x web server is supported.
- Minor enhancements are made to the Asset Manager web client.
- Various functionality improvements are made to the RESTful APIs, detailed in the release notes.
- The Asset Manager help center is published on our information portal and publicly accessible: <https://docs.microfocus.com>.

Enhancement requests included in this release

Asset Manager 9.70 includes the following enhancement requests.

ID	Component	Summary	Resolution	Added in version
QCCR1E138422	Web client	Request to make the read-only pages field frames visible in the web client.	This request is fulfilled by a CSS change.	9.70
QCCR1E138555	Web client	Chart widgets can only show up to 24 values. Chart widgets need to allow user to manage the number of results to be shown.	The maximum number of displayed values can be configured by setting the "HomePageWidgets.Chart.ShowTop" property in the web tier package properties file.	9.70
QCCR1E142221	Web client	In Asset Manager web, on each screen there are two controls with the same name - "Actions." The two "Actions" controls show different actions. This is a request to rename one of the controls so that each of them has a unique label.	On the detail screen, "Actions..." is renamed to "Actions for current record."	9.70
QCCR1E144131	Web client	The "deploy.bat" file does not work if the file is not on the C drive and there is space in the file path.	The "deploy.bat" file works properly when there is space in the file path.	9.70
QCCR1E144743	Web client	In the web client, there is a limit of the number of records displayed in a DataList chart; Following warning message appears for a value more than 100:	The maximum number of records displayed in a DataList chart can be configured by setting the value of HomePageWidgets.DataList.ShowTop	9.70

ID	Component	Summary	Resolution	Added in version
		The maximum value for this field is 100".	in the web tier package.properties file.	
QCCR1E144940	Web client	In the web client, the buttons ("Next", "Previous", "Finish", "Cancel") appear two times, on top and on the bottom of the wizard.	This behavior is now configurable globally in the web tier.	9.70
QCCR1E139511	RESTful API	Request RESTful API to return a JSON format success/failure response after executing a "insert,update,delete" request.	Return entity is added in type application/json.	9.70
QCCR1E143994	RESTful API	N-N links are not manageable through RESTful APIs.	The AM REST APIs are enhanced to support query, creation and deletion of N-N links. A section named "Query N-N Resources" is added to the Help Center > Develop > Restful API > RESTful API functions > List.	9.70
QCCR1E142342	Application	The name of the "Creating a new License Type (model)" wizard is misleading.	The wizard name is changed to "Create a software license model."	9.70
QCCR1E142341	Application	Request to change the License Type screen to display the Code field. This will allow users to enter their own license type code during creation or edit the code of existing license types.	A new field is added to flag system records, and the "Code" field is shown on screens.	9.70
QCCR1E142559	Application	This is a request to change the Management constraint for the "Software license" nature to "Asset tag."	The Management constraint for the "Software license" nature is changed to "Asset tag."	9.70
QCCR1E142654	Application	This is a request to change the label of the fCPUNumber field in the amComputer table.	The word "physical" is removed from the label name of fCPUNuber. The following	9.70

ID	Component	Summary	Resolution	Added in version
			<p>description is added:</p> <p>For physical machine this field stores the total number of physical processors, for virtual machine this field stores the total number of virtual processors.</p>	
QCCR1E142420	Documentation	In tree view mode, when you click Unfold/ All, not all the nodes in a list are expanded.	<p>The following text is added to the Accessibility Options doc > Mouseless navigation > Record list and detail windows > Record lists.</p> <p>Clicking Unfold/ All will expand the currently displayed nodes. To expand all nodes in a list, you can press and hold the Shift key while clicking Unfold/ All.</p>	9.70

Fixed defects

Asset Manager 9.70 includes the following fixed issues.

ID	Component	Summary	Resolution	Added in version
QCCR1E138074	Web client	Asset Manager web client takes a long time to open the Cloud Services Subscriptions screen. When the screen opens and you click the new button, Asset Manager web client stops responding.	Cloud Services Subscriptions screen can be opened normally. When you click the New button, new record screen is displayed.	9.70
QCCR1E139620	Web client	Users without full admin rights cannot manage script widgets. Specifically, general users cannot configure or find script widgets on the web client even they have related permission.	This issue does not occur if you installed Asset Manager 9.70 from scratch. If you upgraded from an earlier version, you need to perform the following steps to enable the fix. <ol style="list-style-type: none">1. Back up the database.2. Open application designer and connect to the database3. Click the "Insert guest user profiles.." menu item under "Action".4. Navigate to <AM Installation Folder>\config, select the gbase.bin file and click Open.	9.70

ID	Component	Summary	Resolution	Added in version
			5. The guest user rights will be updated. 6. Restart web tier and web service.	
QCCR1E139630	Web client	In the Asset Manager web client, a screen is set to tree-view mode. If a user clicks the "+" icon of an item, the user may be logged out.	An error message is displayed rather than logging out the user.	9.70
QCCR1E139688	Web client	You cannot deploy the web in the default path if it contains spaces.	The following note is added to the installation documentation > Installing, Configuring, and Removing Asset Manager Web > Updating the archive files Note: If you have disabled 8dot3 name creation on your computer, the deploy.bat command will fail when the package.properties file path contains spaces. 8dot3 name creation can be enabled by running the following command: fsutil 8dot3name set <drive>: 0	9.70
QCCR1E140631	Web client	Wizard title text goes behind buttons in wizard in the Asset Manager web client.	Wizard title is displayed properly.	9.70
QCCR1E141932	Web client	Filter label is not aligned properly after filter is applied on wizards.	Filter label is aligned properly.	9.70
QCCR1E145353	Web client	You cannot extend the length of the ComboEdit control in a wizard in the web client.	There is a property (MaxLength) that controls length of the control in the	9.70

ID	Component	Summary	Resolution	Added in version
			Windows client. This property now works for the web client as well.	
QCCR1E145383	Web client	When a user tries to log in to the web client, the error "The page isn't redirecting properly" occurs intermittently.	This issue is fixed by adding an additional configuration file.	9.70
QCCR1E143105	Web client	When you create a script widget in the web client, if there is an error in the script, the AM web service may crash.	Errors in scripts no longer make AM web service crash.	9.70
QCCR1E139260	Documentation	Asset Manager 9.6 Advanced Use Guide references files from version 9.50.	The version information has been corrected.	9.70
QCCR1E140917	Documentation	In the Asset Manager 9.63/9.62/9.61 delta patch package, the Installing Incremental Packages.pdf file refers to AM 9.50 instead of AM 9.60.	The Installing Incremental Packages.pdf file is up-to-date.	9.70
QCCR1E143314	Documentation	<p>The Admin guide states:</p> <p>"dtLastModif fields The field with the SQL name "dtLastModif" exists in all tables in the Asset Manager database. •SQL name: "dtLastModif". •Short description: "Modified on". •Long description: "Modification date". This field is updated each time a record is modified in the Asset Manager database, whether this is via the user interface or an import operation. It indicates the date of modification or creation of the record. If you import a value in this field, that value is used instead of the actual import date."</p> <p>However, in Asset Manager 9.70, when a record is</p>	The following sentence is removed from the documentation: "If you import a value in this field, that value is used instead of the actual import date."	9.70

ID	Component	Summary	Resolution	Added in version
		imported to this database, the dtLastModif field is set to the time the record is imported.		
QCCR1E143758	Documentation	In Asset Manager help center, the typed text in the search box is in white color and not visible	It is a CSS issue, which is fixed.	9.70
QCCR1E144111	Documentation	Old RESTful AQL does not work perfectly with new Asset Manager 9.70.	<p>The following statement is added to the Help Center > Develop > RESTful API > Introduction:</p> <p>Note: In Asset Manager 9.30 and later versions, there also exists a set of old RESTful APIs (RESTful AQL). The new RESTful APIs in Asset Manager 9.50 and later versions do not replace the old ones. However, in order to obtain the latest features and updates, we strongly recommend that you use RESTful APIs instead of RESTful AQL.</p>	9.70
QCCR1E145286	Documentation	The Support Matrix lists that Asset Manager supports MS Windows 2016 Server, but it does not specify if only Core, Desktop Experience, or both versions are supported.	It now explicitly states that only the Desktop Experience version of Windows Server 2016 is supported.	9.70
QCCR1E138852	RESTful API	If an AQL request contains the "+" symbol, no data will be returned.	It is fixed, now user can add the plus or minus symbol.	9.70
QCCR1E141937	RESTful API	When you use different query methods to query date time values, the RESTful API returns values in different units.	The returned value is always in seconds.	9.70

ID	Component	Summary	Resolution	Added in version
QCCR1E143316	RESTful API	Error code does not validate the data type of the parameter.	The data type validation code is added for the parameter value.	9.70
QCCR1E144807	RESTful API	When you try to create a record in the amRelModelCompat table using RESTful API, the Tomcat web service crashes completely. This leads to a service loss.	DML operation is not allowed on relation tables directly, the RESTful server will throw errors instead of crashing the web service.	9.70
QCCR1E138997	Application	A user cannot log in with the "Use NT integrated security" checkbox enabled. The log in failure is cause by Oracle exceptions.	User can log in with "Use NT integrated security" successfully.	9.70
QCCR1E143034	Application	An error occurs when a script in a workflow is running on the APM. The script evaluates and updates several numeric features and is triggered by a workflow.	The error no longer occurs.	9.70
QCCR1E143717	Windows client	When records are modified in a custom table, the GUI hangs.	It is caused by the color setting of the navigation bar. The issue is fixed.	9.70
QCCR1E138575	Crystal Reports	<p>You cannot run any Crystal Report on a Citrix XenApp Server if the "Use integrated NT security" option is enabled. In addition, the following error message appears:</p> <p>Crystal error: Error in file tmp00520030767.tmp: Cannot connect: invalid log on. Information: [Code of the database developer: -2000]</p>	Crystal Report can be run successfully when the "Use integrated NT security" option is enabled.	9.70
QCCR1E142347	License	After you migrate your system, the APM reports that the Autopass license is expired and cannot activate the database.	Database can be activated successfully by APM.	9.70

ID	Component	Summary	Resolution	Added in version
QCCR1E144327	Web service	A wizard issue may cause the web service to crash.	If there is an issue with the wizard, an error will be thrown instead of crashing the web service.	9.70
QCCR1E145173	Migration	After you migrate your system, several records on amComputer have broken links.	<p>The original query filter of the "RelyResourcePools" link on the "PgRelyResourcePools" page relies on the relationship between the VM and host. If the relationship is missing, the page will be broken.</p> <p>The page is updated, now all the pools link to the VM can be shown.</p>	9.70

Known issues

Asset Manager 9.70 has the following known issues and limitations. This is a cumulative list of known issues and limitations in Asset Manager, including those that are already documented in previous release notes.

- ["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
```

- You cannot install the SAP Crystal Reports server in unattended mode on a computer whose host name contains the "-" character. The workaround is to install the SAP Crystal Reports server in manual mode.
- 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 **AMDemoxxxx** (where **xxxx** 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 9.70 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:

- In the AM Windows client, go to **Administration > System > Calculated fields**.
- Locate the calculated field by SQL Name "sysCoreTaskDescription".
- 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 9.70, 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.lSAAOSEPID] <> 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 Field <> 'lTransactionId'"
'sQry = sQry &" AND "
'sQry = sQry &" ORDER BY dtLastmodif DESC"
'sQry = sQry &" ORDER BY Field DESC"
sQry = sQry &" ORDER BY Field"
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]
```

- **Issue:** The ESS-Catalog integration between AM and SM does not work after upgrading to AM 9.6x.

Workaround:

Scenario 1

You installed AM 9.60 and deployed the ESS-Catalog integration. You are upgrading to AM 9.6x (9.61, 9.62 or 9.63).

Steps to follow:

- a. Before upgrade, back up the <AM Installation Dir>/esscat/build/ServiceCatalog.war file.
- b. Install the AM 9.6x incremental package.

- c. Do NOT re-deploy the ESS-Catalog, instead, continue to use the integration deployed with AM 9.60. It works with AM 9.6x.

Scenario 2

You installed AM 9.60 without deploying the ESS-Catalog integration. You upgraded to 9.6x (9.61, 9.62 or 9.63) and are deploying the ESS-Catalog integration from scratch.

Steps to follow:

- a. Download the AM9.60-ESS-Catalog-Lib.zip file from the AM 9.60 Library for ESS-Catalog 1.2 release in HPE Marketplace and extract the jar files.
- b. Copy amwsR960_1.jar and amwsR960_2.jar to the <AM Installation Dir>/lib folder.
- c. Copy am-esscat-96.jar to the <AM Installation Dir>/esscat/lib folder.
- d. Open <AM Installation Dir>/esscat/webapp/WEB-INF/web.xml and change
http://@ws.host@:@ws.port@/@ws.service@/services/R963/ to
http://@ws.host@:@ws.port@/@ws.service@/services/R960/.
- e. Open <AM Installation Dir>/esscat/build/build.xml and replace "amwsR*" with
"amwsR960."
- f. Follow the instructions in AM user guide to deploy the ESS-Catalog integration.