



Configuration Management System (CMS)

Software Version: 10.33 Cumulative Update Package 2 (CUP2)

Release Notes

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Universal CMDB Release Notes

Keep your system up to date with the most recent cumulative update package (CUP) for UCMDB 10.33. This package contains all of the UCMDB 10.33 hotfixes that have been released since the initial release of UCMDB 10.33.

Note: Version 10.33 CUP2 of UCMDB does not include a new release for UCMDB Configuration Manager (CM). The latest release of CM is version 10.23, you can use it in tandem with UCMDB 10.33 CUP2.

What's New

What's New in UCMDB 10.33 CUP2

UCMDB 10.33 CUP2 contains the following new features and changes:

Added the capability for creating a custom login splash screen. When this capability is enabled, the splash screen is displayed before users log in to the following UCMDB components: CMS UI, UCMDB UI, and JMX Console. For details, see ["How to Create and Enable a Custom Login and Logout Splash Screen" on page 25](#).

What's New in UCMDB 10.33 CUP1

UCMDB 10.33 CUP1 contains the following new features and changes:

- **Added support for root context in REST APIs**

The following property is added to the `rest_api.properties` file:

```
#root context of ucmdb server, just in case it is set  
root_context=/ucmdb/root_context
```

When configuring the `root_context` property, if the URL is as following:

`https://localhost:8443/root_context/example`, then the `root_context` properly value is **`root_context/example`**.

For details about REST API configuration, see ["Rest API Configuration"](#).

- Filled the data center name for ESX server that belongs to a cluster in the Oracle LMS VMware report. For more information, see [UCMDB Discovery and Integrations Content Pack 26 Online Help](#).
- Added a method to disable the Call Home feature in Data Flow Probe. This frees port 80, making the port available for other purposes. For more information, see ["Disable Call Home from Data Flow Probe"](#)
- Added the `resetObjectForSameCmdbIDOsh` parameter.

Parameter Name	Description	Type	Value
<code>resetObjectForSameCmdbIDOsh</code>	<p>When you import vector XML file by using a custom Jython job, if there are multiple CI objects having the same ID with different memory locations, setting <code>resetObjectForSameCmdbIDOsh</code> to <code>true</code> enables merging these CI objects into one CI object.</p> <p>Note: Not present in the <code>DataFlowProbe.properties</code> file by default. You need to manually add it into the file when necessary.</p>	boolean	Default: false

- You can now enable log rotation for the `postgresql.log` file on Data Flow Probes. For more information, see ["Enable postgresql.log File Rotation"](#).
- The user lockout mechanism for the Server Status page, JMX Console, and SDK is updated. For more information, see ["User Lockout Mechanism for the Server Status page, JMX Console, and SDK"](#).

Installation Notes

Universal CMDB 10.33 CUP2 Files/Components

Micro Focus UCMDB 10.33 CUP2 is packaged in one .zip file.

UCMDB_00204.zip (for Windows) includes the following files and components:

- **UCMDB_Server_Patch_10.33.214.exe**. The installation of the version 10.33 CUP2 UCMDB Server and Data Flow Probe for Windows.
- **Read_Me_10.33_CUP.txt**

UCMDB_00205.zip (for Linux) includes the following files and components:

- **UCMDB_Server_Patch_10.33.214.bin**. The installation of the version 10.33 CUP2 UCMDB Server and Data Flow Probe for the Linux platform.
- **Read_Me_10.33_CUP.txt**

System Requirements

For a list of system requirements, see the **UCMDB Support Matrix** PDF file. Check the previous Release Notes for any additions or changes to the matrix.

Note: If you are using an Oracle version that is prior to 10.2.0.5, you must apply the Oracle patch that fixes Oracle defect # 5866410. For details, go to the Oracle website and find the information regarding this defect number.

Install 10.33 CUP2 on the Universal CMDB Servers

CUP Installation for Universal CMDB is performed through an automated procedure using the installation wizard.

You can still install the Data Flow Probes separately by upgrading the Data Flow Probes using the UCMDB user interface. For details, see "[Installation Notes](#)" on the previous page.

Note:

- UCMDB 10.33 CUP2 can be installed only on top of Universal CMDB version 10.33.

Pre-requisites - UCMDB Server and Data Flow Probes

1. Extract **UCMDB_00200.zip** (for Windows) or **UCMDB_00201.zip** (for Linux) to a temporary

directory.

2. Stop the Universal CMDB 10.33 server and the Universal CMDB Integration Service (if running) before starting the 10.33 CUP2 installation.

Note: If you have a High Availability configuration, the CUP must be installed on all the servers in the cluster, and prior to installation, you must stop all the servers in the cluster.

3. If you have received private patches for the Data Flow Probe, you must delete them before performing the upgrade. These steps for deleting a private patch must be followed whether you are upgrading the probes during the installation wizard, or if you upgrading the probes using the UCMDB user interface after installation is complete.

- a. Stop the Data Flow Probe.
- b. Delete all private patches that were installed on the system prior to this CUP by deleting the following directory:

\\hp\UCMDB\DataFlowProbe\classes directory

- c. Start up the version 10.33 Data Flow Probe.
4. (Oracle LMS only) If you have deployed Oracle LMS 1.31.1 and the **UCMDB10.33_Patch_OracleLMS1.31.zip** patch on top of UCMDB 10.33, you must remove the files deployed from **UCMDB10.33_Patch_OracleLMS1.31.zip** before you install UCMDB 10.33 CUP2.

CUP Installation

1. Double-click the file **UCMDB_Server_Patch_10.33.214.exe** (for Windows) or **sh UCMDB_Server_Patch_10.33.214.bin** (for Linux) to open the Universal CMDB Server CUP Installation Wizard.
2. While running the wizard:
 - o In the Choose Install Folder screen, select the installation directory in which UCMDB is already installed.
 - o For UCMDB, in the Install Data Flow Probe CUP screen, select the following option:
 - **Automatically update Data Flow Probe with the new CUP version** to automatically update during this installation all the Data Flow Probes reporting to this UCMDB.
 - **Update the Data Flow Probe manually** to update the Data Flow Probes reporting to this UCMDB using the UCMDB user interface after completing the installation of this CUP on

the UCMDB server. For details, see ["Installation Notes" on page 5](#).

- In the Required Actions screen, follow the instruction to ensure that the server is down.
3. (Windows only) When the installation wizard for UCMDB is almost complete, the Remove folder access privilege page opens, asking you whether you want to remove the **Users** group access privilege from the **<UCMDBServer_InstallDir>** folder.

Select **Yes**, the installer removes the **Users** group access privilege from the **<UCMDBServer_InstallDir>** folder automatically.

Select **No** to remain the same.

Note: You can remove the **Users** group access privilege from the **<UCMDBServer_InstallDir>** folder manually later. Below is a command sample for your reference:

```
CACLS commands 'cacls <user_install_dir> /T /E /R Users'
```

4. (CyberArk integration only) Check if new hash value is the same as the one you configured in the CyberArk server. If different, re-generate the hash value using the following command:

```
java -Xms500m -Xmx1200m -jar JavaAIMGetAppInfo.jar GetHash  
/AppExecutablesPattern="C:\UCMDB\DataFlowProbe\lib"  
/ClassPath="C:\UCMDB\DataFlowProbe\lib;C:\UCMDB\DataFlowProbe\jython"  
/OnlyExecutablesWithAIMAnnotation=yes /LogFileDirectory="c:\temp"
```

And then fill the newly generated hash value into the CyberArk server.

Caution: Apart from the out-of-the-box (OOTB) files, DO NOT ADD any additional resources into the **<UCMDB_Server_Home>\deploy** directory. Because UCMDB will try to deploy every file from this location, which may cause the **ucmdb-browser.war** file not deployed completely, and as a result the UCMDB Browser will fail to start.

Universal CMDB 10.33 CUP2 Manual Data Flow Probe Installation

Linux: Always required.

Windows: Applicable only when **Update the Data Flow Probes manually** is selected in the CUP installation wizard.

To install the Data Flow Probe CUP upgrade using the UCMDB user interface, follow these steps.

Note: All Data Flow Probes that are associated with the UCMDB are upgraded.

1. If you have received private patches for the Data Flow Probe, perform the steps in the section ["Pre-requisites - UCMDB Server and Data Flow Probes"](#) on page 6.
2. In UCMDB, go to **Data Flow Management > Data Flow Probe Setup**, and click **Deploy Probe Upgrade**.
3. In the Deploy Probe Upgrade dialog box, navigate to the **<SERVER_HOME>\content\probe_patch\probe-patch-10.33.CUP2-windows/linux.zip** and click **OK**.
4. (Windows only) Remove the **Users** group access privilege from the **<DataFlowProbe_InstallDir>** folder manually.

Below is a command sample for your reference:

```
CACLS commands 'cacls <user_install_dir> /T /E /R Users'
```

5. **Linux only:**
 - a. Stop the Data Flow Probe.
 - b. Extract the upgrade package by running the following file:

`/opt/hp/UCMDB/DataFlowProbe/tools/upgrade/extractUpgradePackage.sh`
 - c. Restart the Data Flow Probe.
6. (CyberArk integration only) Check if the new hash value is the same as the one you configured in the CyberArk server. If different, re-generate the hash value using the following command:

```
java -Xms500m -Xmx1200m -jar JavaAIMGetAppInfo.jar GetHash  
/AppExecutablesPattern="C:\hp\UCMDB\DataFlowProbe\lib"  
/OnlyExecutablesWithAIMAnnotation=yes /LogFileDirectory="c:\temp"
```

And then fill the newly generated hash value in the CyberArk server.

Uninstall Universal CMDB

When performing the uninstall procedure, this procedure must be performed for both the UCMDB Server and the Data Flow probes.

1. Stop the Universal CMDB servers, and all running Data Flow Probes before uninstalling the version CUP.
2. For UCMDB:

- Windows: Go to <CMDB installation folder>\UninstallerCup and double-click **Uninstall HP Universal CMDB Server**. After the CUP is successfully uninstalled, go to <CMDB installation folder>\runtime and delete the **jsp** and **jetty-cache** folders.
 - Linux: Go to <CMDB installation folder>/UninstallerCup and run **Uninstall HP Universal CMDB Server**. After the CUP is successfully uninstalled, go to <CMDB installation folder>/runtime and delete the **jsp** and **jetty-cache** folders.
3. Uninstall all existing Probes as follows:
 - a. **Start > All Programs > HP UCMDB > Uninstall Data Flow Probe.**
 - b. Start the server.
 - c. Undeploy the **probeUpdate** package.
 4. Reinstall the Probes with the same configuration, that is, use the same Probe IDs, domain names, and server names as for the previous Probe installations. Remember that the Probe ID is case sensitive.

Note: After performing an upgrade and installing the new Data Flow Probe, all the Discovery jobs that were active before the upgrade are automatically run.

Notes

- When upgrading the Data Flow Probe:
 - In a multi-customer environment, if the Data Flow Probe is not automatically upgraded to the latest CUP version, use the manual upgrade procedure to upgrade the Probe manually. For details on the manual upgrade procedure, see "How to Deploy a Data Flow Probe CUP Manually" in the *Data Flow Management section of the UCMDB Help*.
 - The automatic upgrade is not available for Data Flow Probes running on Linux. Use the manual upgrade procedure to upgrade the Probe manually.
 - The Data Flow Probe upgrade is only available for upgrades for minor-minor releases or upgrades between CUP releases. When performing an upgrade to a major or minor release, you must reinstall the Probe.
- If you encounter an error when installing the CUP under Linux on the **/tmp** directory because the **/tmp** directory is configured not to run executables, set the **IATEMPDIR** environment variable to a location with sufficient permissions and disk space. The **IATEMPDIR** variable is recognized by **InstallAnywhere**.

Known Issues

The following problems and limitations are known to exist in CMS 10.33 CUP2 (or later software, as indicated). The problems are categorized by the affected product area. If a problem has an assigned internal tracking number, that tracking number is provided (in parentheses) at the end of the problem descriptions.

- [Configuration Manager](#)
- [Universal CMDB - General](#)
- [Universal Discovery](#)

Configuration Manager

PROBLEM: The authentication of sysadmin and Integration users fails from CM towards the server when you use an earlier version of CM with UCMDB 10.33 CUP1.

Workaround: To work around this issue, follow these steps:

1. Stop CM.
2. Back up the following files:
 - `CM_<version number>/servers/server-0/webapps/cnc/WEB-INF/lib/api-integration-<version number>-<build number>.jar`
 - `CM_<version number>/lib/api-integration-<version number>-<build number>.jar`
3. Copy the `UCMDBServer\lib\api-integration.jar` file to the two locations in step 2, and then rename it to the name of the file that you backed up. For example, you rename "`UCMDBServer\lib\api-integration.jar`" as "`api-integration-10.23-20160201.115731-51.jar`".
4. Back up the following files:
 - `CM_<version number>/servers/server-0/webapps/cnc/WEB-INF/lib/api-interfaces-<version number>-<build number>.jar`
 - `CM_<version number>/lib/api-interfaces-<version number>-<build number>.jar`
5. Copy the `UCMDBServer\lib\api-interfaces.jar` file to the two locations in step 4, and then rename it to the name of the file that you backed up. For example, you rename "`UCMDBServer\lib\api-interfaces.jar`" as "`api-interfaces-10.23-20160201.115731-51.jar`".

6. Back up the following files:
 - `CM_<version number>/servers/server-0/webapps/cnc/WEB-INF/lib/api-internal-<version number>-<build number>.jar`
 - `CM_<version number>/lib/api-internal-<version number>-<build number>.jar`
 7. Copy the `UCMDBServer\lib\api-internal.jar` file to the two locations in step 6, and then rename it to the name of the file that you backed up. For example, you rename "`UCMDBServer\lib\api-internal.jar`" as "`api-internal-10.23-20160201.115731-51.jar`".
 8. Start CM.
-

Universal CMDB - General

LIMITATION: Some scanning tools may flag `.dll` files in the embedded PostgreSQL database.

Workaround: To work around this issue, follow these steps:

1. Visit <https://www.enterprisedb.com/download-postgresql-binaries>, select **Binaries** from installer version 9.4.15, and then download **Linux x86-64** for Linux, or **Wind x86-64** for Windows. This will download one of the following files:
 - `postgresql-9.4.15*-linux-x64-binaries.tar.gz`
 - `postgresql-9.4.15*-windows-x64-binaries.zip`
2. To upgrade the PostgreSQL database on a Windows probe, follow these steps:
 - a. Stop the probe and `probe_db` services.
 - b. Go to `UCMDB\DataFlowProbe\pgsql\`, and then delete all folders except for the data folder.
 - c. Extract `postgresql-9.4.15*-windows-x64-binaries.zip`, and copy everything from this `.zip` to `UCMDB\DataFlowProbe\pgsql\`.
 - d. Start the probe and `probe_db` services.

To upgrade the PostgreSQL database on a Linux probe, follow these steps:

- a. Stop the probe and `probe_db` services.
 - b. Go to `UCMDB\DataFlowProbe\pgsql\`, and then delete all folders except for the data folder.
 - c. Extract `postgresql-9.4.15*-linux-x64-binaries.tar.gz`, and copy everything from this `.zip` to `UCMDB\DataFlowProbe\pgsql\`.
 - d. Start the probe and `probe_db` services.
-

Universal Discovery

PROBLEM: Discovered attributes should not be updated manually. If someone modifies an attribute manually (which was already populated by UD), that value will not be restored the next time the CI is re-discovered if the actual attribute did not change physically.

Workaround: None.

PROBLEM: Assume that you perform a fresh installation of UCMDB 10.33 on Linux, and you configure the sysadmin password for Data Flow Probe in the installer. When the installation is complete, you try to log in to the Data Flow Probe JMX console. However, the sysadmin password is still the default password.

Workaround: Use JMX to change the sysadmin password.

Enhancement Requests

Enhancement Requests in 10.33 CUP2

Here is a list of the enhancement requests that were implemented in the CUP2 release.

Global ID	Module	Problem	Solution
QCCR1H103966	UCMDB UI	This is an enhancement request for adding the capability for creating custom banner text on a splash screen prior to accessing UCMDB applications, including UCMDB UI, CMS UI, and JMX Console, with customizable specific text displayed on the splash screen to users.	Implemented the enhancement by adding the capability for creating a custom login splash screen. When this capability is enabled, the splash screen is displayed before users log in to the following UCMDB components: CMS UI, UCMDB UI, and JMX Console. For details, see "How to Create and Enable a Custom Login and Logout Splash Screen" on page 25.

Enhancement Requests in 10.33 CUP1

Here is a list of the enhancement requests that were implemented in the CUP1 release.

Global ID	Module	Problem	Solution
QCCR1H120274	Supportability	This is an enhancement request for the JMX method calculateTqlAdHocWithLayout to provide a way to save TQL result with layout to disk.	Added a boolean type option skipSaveResultToDisk to the JMX method calculateTqlAdHocWithLayout . Setting the new option to False (default: True) saves the TQL result to UCMDB server runtime folder as a text file.

Fixed Issues

Fixed Issues in UCMDB 10.33 CUP2

The following table lists the issues that were fixed in the UCMDB 10.33 CUP2 release.

Global ID	Problem	Solution
QCCR1H120889	Creating an integration point with the OOTB AMGenericAdapter has a column in the Statistics tab called Ignored CI ; however, the customized AMGenericAdapter does not have such a column, although it uses the same JAR files as the OOTB AMGenericAdapter .	Fixed the issue by extending the support for all the adapter names that contain AMGenericAdapter or AMPushAdapter .
QCCR1H121187	When debug messages are enabled for attribute mapping for the push adapter, too many messages are written to the log files.	Fixed the issue by applying a code change to log record insertion instead of dumping idToTypes in function getByIdAndTypeFromLinked every time.
QCCR1H121374	After the upgrade from version 10.33 to 10.33 CUP1, some LDAP users can log in properly, but some other LDAP users may encounter the "Authentication failed" message.	Fixed the issue by applying a code change. In case the UCMDB Repository already exists, at upgrade the priority is read and used when updating the UCMDB Repository; otherwise, the default value is used. This way the existing value is maintained when upgrade is performed.
QCCR1H121574	Inventory Discovery deletes all Installed Software CIs that are discovered by the Host Applications by Shell job.	Fixed the issue by adding a new parameter isServerAutomaticDeletionOnlyForCurrentJob in the adapter configuration. When this parameter is set to true , the automatic deletion on the server side only impacts the Installed Software CIs that are discovered by the current job.

Global ID	Problem	Solution
QCCR1H121604	When data is pushed from UCMDB to UCMDB, duplicate relationships are created by push_back_global_ids .	Fixed the issue by applying a code change so no duplicate relationships will be caused by UCMDB integration.

Fixed Issues in UCMDB 10.33 CUP1

The following table lists the issues that were fixed in the UCMDB 10.33 CUP1 release.

Global ID	Problem	Solution
QCCR1H117211	An "[ErrorCode [2] Couldn't connect to database]" error is written to the log files and you have to restart UCMDB.	This issue is fixed by setting the locale directly in the code.
QCCR1H118152	Jetty Idle connections that are not explicitly closed remain allocated in Jetty until UCMDB server is stopped or restarted.	The issue is now fixed.
QCCR1H118051	When you create a TQL, set "Chassistype is null", and configure error message to be displayed, you cannot save the TQL.	This issue is now fixed.
QCCR1H118228	A probe database deadlock causes UCMDB-NNMI pull integration jobs to fail during a delta sync.	The database deadlock issue is now fixed.
QCCR1H118248	Numerous "Cant find completed event in table ****" error messages are written to the error.log file.	This issue is now fixed by removing the unnecessary warning messages.
QCCR1H117999	You cannot generate the Master Key by using a JMX method.	The JMX method is now fixed.
QCCR1H118331	If you open a Query in the Query Editor within the Integration Studio and click OK, the query reference disappears from Modeling Studio.	This issue is now fixed.
QCCR1H118464	Triggers cannot be deleted from CCM_DISCOVERY_DESTS_RESULTS.	A SQL issue is fixed so that triggers can now be deleted.

Global ID	Problem	Solution
QCCR1H118496	A UCMDDB-UCMDDB sync fails, and an error message that resembles the following is generated: Unable to calculate Query [...] result in source UCMDDB after 200 seconds jvm 1 com.mercury.topaz.cmdb.shared.base.CmdbException: [ErrorCode [-2147483648] undefined error code]	This issue was fixed by addressing a TQL issue.
QCCR1H118282	UCMDDB consumes 100% of the CPU after a restart, and you cannot access the UI.	The method by which the persistency and session is checked for each logged user is improved.
QCCR1H118649	Every hour a NullPointerException is written to the cmdb.operation.log file.	This issue was fixed by resolving a parsing issue in the cmdb.reconciliation.audit.log file.
QCCR1H118715	The modifyCompositeIndexes JMX method omits the CDM_ROOT_LINK table to drop or to create composite index.	The CDM_ROOT_LINK table now has the correct index based on the modifyCompositeIndexes JMX input settings.
QCCR1H118763	When you run newDbTool.sh consistency --preview, one of the queries runs for more than one hour and times out.	The SQL query for the "getLinksWithInvalidEnd1OrEnd2-ByCDM" step is now updated.
QCCR1H119093	The communication log file for the "J2EE JBoss by shell" job is corrupted.	This issue is now fixed.
QCCR1H119266	The UCMDDB10x Adapter does not support the Enable reporting of empty values option. Therefore, null properties are not pushed when the adapter is used to perform a live push job.	The UCMDDB10x Adapter now supports the "Enable reporting of empty values" option.
QCCR1H119431	After you run the runSupportHandlersForAllCategories JMX method, the DiscoveryProcessingStatistics.xls worksheet contains only the following message: No data was read/exist in the reconciliation.audit.log	This issue occurs because an NPE occurs when the runSupportHandlersForAllCategories JMX method retrieves the DiscoveryProcessingStatistics file. The issue is now fixed.

Global ID	Problem	Solution
QCCR1H119679	Enrichment rule is disabled after switching from the Reader server to the Writer server.	This issue is now fixed.
QCCR1H120407	When creating a custom CI Type in UCMDB 10.33, the XML file of this class is corrupted. Each time a save or a redeploy is performed, the class qualifiers are multiplied.	This issue is now fixed.
QCCR1H117589	On some LDAP servers, user authentication fails every time.	This issue was fixed by changing the query to find the user during LDAP authentication to not ask for the 1.1 attribute (which causes some directory servers to return an empty result no matter what other attributes were specified).
QCCR1H119213	When you change the master key, errors that contain the following text are written to the logs: ...496 ERROR ... - Authenticating user: UISysadmin failed. The user repository: UCMDB is not configured. ...497 ERROR ... - User name or password are wrong - failed to login on UCMDB	This issue is now fixed.
QCCR1H119269	When you use the Java API-based getAvailabilityMetrics method on the Reader server when the Writer server is down, an exception that resembles the following is returned: ... Remote server [Writer] did not respond	This issue is now fixed.
QCCR1H117822	Running a baseline takes a long time when HDML tables with many CIs are created.	The baseline for HDML tables is improved by running DB statistics before the HDML table is created.
QCCR1H116859	Deadlocks occur on the CCM_DISCOVERY_RESULTS table after you change the discovery schedule to every other day.	This issue is now fixed.

Global ID	Problem	Solution
QCCR1H117739	You cannot open Integration Manager and receive an "An error occurred..." error message. Additionally, a Null Pointer Exception error is written to the error.log file.	This issue is now fixed.
QCCR1H117823	When you open the AM-UCMDB integration point, open an out-of-the-box TQL or View, and then click Calculate , you receive a "General Integration Error HP AM" error message.	This issue is now fixed.
QCCR1H117505	Errors that resemble the following are written to the logs. error.log: 2017-10-26 10:11:18,449 ERROR [Request processor timer] (RequestProcessor.java:880) - java.lang.RuntimeException: Coding error. The thread-local context is not initialized. slow.log: 2017-10-26 11:01:44,709 ERROR [Request processor timer] - java.lang.RuntimeException: Coding error. The thread-local context is not initialized. 2017-10-26 11:01:58,297 INFO [Request processor timer] - 28 serving threads	This issue is now fixed.
QCCR1H118812	One server in a cluster reboots every few minutes, and an error that resembles the following is generated: Cannot unmarshal instance of class com.hp.ucmdb.entities.urm.resource.xml.XmlUIUserPreference	The default value of the escapeSpecial characters flag in the DynamicSettings plugin for URM is changed to "true".
QCCR1H117248	After you sort the Workflow Information list, incorrect detailed	This issue is now fixed.

Global ID	Problem	Solution
	information is displayed when you select an item.	
QCCR1H116447	You cannot filter out potential IpAddress CIs that are based on IPv6 addresses.	This issue is now fixed.
QCCR1H116387	When data is pushed from UCMDB to UCMDB, push_back_global_ids creates duplicate links.	This issue is now fixed.
QCCR1H115569	Scheduled reports cannot be generated in UCMDB because there are unsupported characters in CI attributes.	Scheduled reports can now be generated in UCMDB if there are unsupported characters in CI attributes.
QCCR1H115567	Scheduled reports are not triggered in UCMDB.	Scheduled reports can now be triggered in UCMDB.
QCCR1H116994	When normalization rules are applied at the end of the discovery execution, CITs may be updated, but they are not also updated in the comm log as an end1/end2 CI, or as a root_container CI.	This issue is now fixed. When normalization rules are applied at the end of the discovery execution, it might update a CIT, do have change the CIT for this CI as well, when it appears again in the comm log as an end1/end2 CI, or as a root_container CI.
QCCR1H117516	Discovery jobs fail and a "No credential found for the triggered IP" error is written to the Communication logs after you upgrade the Probe from 10.31 to 10.33.	This issue was fixed by printing server timezone in the log file.
QCCR1H117916	When you use historyService.getChanges to retrieve all changes with the REMOVE_RELATION or ADD_RELATION change type, results are also returned for both types incorrectly.	This issue is fixed by updates to HistDalGetHistoryChangesCommand and HistDalGetRelatedCIHistoryEvents .
QCCR1H115919	After you perform an upgrade, UCMDB data acquisition startup fails, and you receive a "NullPointerException" error message.	This issue is now fixed.
QCCR1H118093	Modified adapter package files are incorrectly moved to the "No	This issue is now fixed.

Global ID	Problem	Solution
	Package" package.	
QCCR1H116010	<p>You cannot deploy the enrichments in the F5_BIGIP_LTM package, and an error that resembles the following is written to the mam.packaging.log file:</p> <pre> CMDB Operation Internal Error: class com.mercury.topaz.cmdb. shared.base.CmdbException : com.mercury.topaz.cmdb.shared. enrichment.exception.Enrichmen tValidationException: [ErrorCode [210] Required attribute has not been defined] F5FwdAnyPortHandler - - ip_service_endpoint is missing id attribute or required one -- TenantOwner : operation </pre>	This issue is now fixed.
QCCR1H116630	You cannot delete an integration job because its name contains a forbidden character (for example, a period).	All characters in the job name are now validated when the integration job is created.
QCCR1H118157	The UI is inaccessible after the server starts due to "the master key is not set" errors.	This issue can be fixed by running specific keytool commands to reset the keystore and truststore password.
QCCR1H118160	The Save button in the Package Manager module is grayed out.	This issue is fixed by adding an additional refresh of the resources after adding the listener.
QCCR1H119632	The UCMDB UI is not accessible and a "java.io.IOException: Too many open files errors" error is written to the log files.	A code fix prevents this issue from occurring.
QCCR1H118481	You cannot connect to the UCMDB Browser fail in HA mode through an F5 load balancer.	This issue is now fixed.
QCCR1H119401	<p>One server in a cluster reboots every few minutes, and an error that resembles the following is generated:</p> <pre> Cannot unmarshal instance of </pre>	The default value of the escapeSpecial characters flag in the DynamicSettings plugin for URM is changed to "true".

Global ID	Problem	Solution
	<code>class com.hp.ucmdb.entities.urm.resource.xml.XmlUIUserPreference</code>	
QCCR1H118989	Discovered attributes can be updated manually, which causes problems with reports because UD does not restore the attributes back to their real value.	The following note was added to the product documentation: "Discovered attributes should not be updated manually. If someone modifies an attribute manually (which was already populated by UD), that value will not be restored the next time the CI is re-discovered if the actual attribute did not change physically".
QCCR1H119903	Heap space consumption in CMS Core Prod increased drastically.	Changed the way last state is used by a push flow. Last state is retrieved directly from database and not stored to memory anymore.

Appendices

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Disable Call Home from Data Flow Probe

This task describes how to disable the Call Home feature in Data Flow Probe, which also frees port 80. This makes port 80 available if you need to use it for other purposes.

To disable the call home function in Data Flow Probe, follow these steps:

1. On the Data Flow Probe, locate the **DataFlowProbe.properties** file in the **C:\UCMDB\DataFlowProbe\conf** folder, and then open the file using a text editor.

2. Add the following line to the file:

```
appilog.agent.callhome.enabled=true
```

The default value for the setting is **true**, which means that the call home function is enabled and the call home port is open.

To disable the call home function, set the value to **false**.

3. Save the file, and then restart Data Flow Probe.

User Lockout Mechanism for the Server Status page, JMX Console, and SDK

When users access the Server Status page, JMX Console, or SDK, they could be locked out if they fail the login authentication a certain number of times. You can configure the maximum failed login attempts allowed, and the maximum lockout time period for them by using the following infrastructure settings.

Name	Description	Default Value
failed.login.attempts.limit	The maximum number of failed login attempts allowed.	3
invalid.login.expiration.in.minutes	The maximum time period (in minutes) allowed for invalid login attempts.	15
user.blocking.time.in.minutes	The maximum time period (in minutes) that a user is locked out after failed login attempts.	10
invalid.login.lock.out.enabled	Enable or disable the user lockout mechanism for the Server Status page, JMX Console, or SDK. By default it is enabled.	True

Enable postgresql.log File Rotation

To enable postgresql.log file rotation on Data Flow Probes, follow these steps:

1. Add the following code to `<DataFlowProbe installation path>\conf\log\probeGwLog4j.properties`:

```
#####  
##  
  
##### postgresql log #####  
#####  
##  
  
log4j.category.postgresql.loghelper=INFO, PGSQL_LOG_HELPER  
  
log4j.appender.PGSQL_LOG_  
HELPER=com.hp.ucmdb.discovery.library.dblayer.SizeBasedRollingFileAppender  
  
log4j.appender.PGSQL_LOG_HELPER.File=${logs.dir}/postgresql.log  
  
log4j.appender.PGSQL_LOG_HELPER.Append=true  
  
log4j.appender.PGSQL_LOG_HELPER.MaxFileSize=20MB  
  
log4j.appender.PGSQL_LOG_HELPER.Threshold=INFO  
  
log4j.appender.PGSQL_LOG_HELPER.MaxBackupIndex=10  
  
log4j.appender.PGSQL_LOG_HELPER.layout=org.apache.log4j.PatternLayout
```



```
log4j.appender.PGSQL_LOG_HELPER.layout.ConversionPattern=<%d> [%-5p] [%t]  
(%F:%L) - %m%n log4j.appender.PGSQL_LOG_HELPER.encoding=UTF-8
```

2. Configure the value of the *MaxFileSize* variable to set the maximum size for each log file. In the code above, the variable is set to 20MB.
3. Configure the value of the *MaxBackupIndex* variable to set the maximum number of log files permitted before log rotation begins. In the code above, the variable is set to 10 files.
4. Restart the UCMDB_Probe and UCMDB_Probe_DB services.

How to Create and Enable a Custom Login and Logout Splash Screen

In some cases, you may require users to acknowledge something (for example, legal or security restrictions) before they can log in to UCMDB. To do this, you can display a splash screen that requires user confirmation before the login screen is displayed. When enabled, the splash screen is displayed before users log in to the following UCMDB components:

- CMS UI
- Admin UI
- JMX Console

The splash screen is disabled by default.

Create a Custom Splash Screen

The splash screen is composed of an image of your choice, together with an **OK** button for the user to acknowledge the content of the splash screen. Note that the text on the button is not customizable; therefore, you should ensure that any text incorporated into the image is appropriately answered by "OK".

To create the image displayed on the splash screen, use a file that meets the following requirements:

- Format is .svg
- Size is under 2 MB
- Does not include any scripts

- File is stored on the UCMDB server (in a suite environment, the .svg file must be stored in the following suite mounted folder: /var/vols/itom/itsma/itsma-itsma-global/custom-splash/ucmdb/)

Enable a Custom Splash Screen

To enable a custom splash screen, follow these steps:

1. Go to **JMX Console > UCMDB-UI:name=Custom Splash Screen > uploadSplashScreenFromFile**.
2. In the **Value** field enter the path to the .svg file that you want to use as the splash screen image. For example, enter "/ucmdb/custom-splash/test.svg".
3. Click **Invoke**.
4. Go to **JMX Console > UCMDB-UI:name=Custom Splash Screen > enableCustomSplashScreen**.
5. In the **Value** field, select the **true** option.
6. Click **Invoke**. The splash screen is enabled immediately; you do not need to restart the UCMDB server.

To confirm whether a custom splash screen is enabled or disabled, invoke the **isCustomSplashScreenEnabled** JMX method.

Note: You can also enable a custom splash screen by using the **cmdb.custom_splash_screen.enabled** infrastructure setting. To do this, click **Administration > Infrastructure Settings Manager > Enable Custom Splash Screen**, and then set the value of the **Current Value** field to "True".

Splash Screen Behavior

- When the splash screen is displayed, users must click **OK** in order to log in. There is no other method to clear the splash screen.
- Once a user has clicked **OK** in the splash screen, the splash screen is not displayed again in the Admin UI or JMX Console until the browser is restarted. However, the splash screen is displayed again in CMS UI after the user logs out, the browser is closed, or the session expires.

- Multi-customer environments do not support custom splash screens, as the (customer-specific) splash screen is displayed before the user is able to select a customer.

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