HP Universal CMDB, Universal Discovery, and Configuration Manager

Software Version: 10.11

End-to-End Workflow Walkthrough Guide

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Contents

Licensing Services: Upgrade UCMDB from a Previous Version

This end-to-end workflow walkthrough scenario describes licensing services for upgrading UCMDB from a previous version. This workflow is comprised of the following steps:

1. Upgrade UCMDB to version 10.10 or later

2. Check the License summary report

3. Install licenses issued for UCMDB 10.10 and later, check licenses details and license capacity using JMX console

4. Launch License summary report and check license usage

5. Review the counted OS instances in the Licensed OSIs Report

6. Install additional license capacity when you discover more OSs than you are licensed for

1. Upgrade UCMDB to version 10.10 or later

For detailed instructions about upgrading UCMDB, see the *HP Universal CMDB Deployment Guide*.
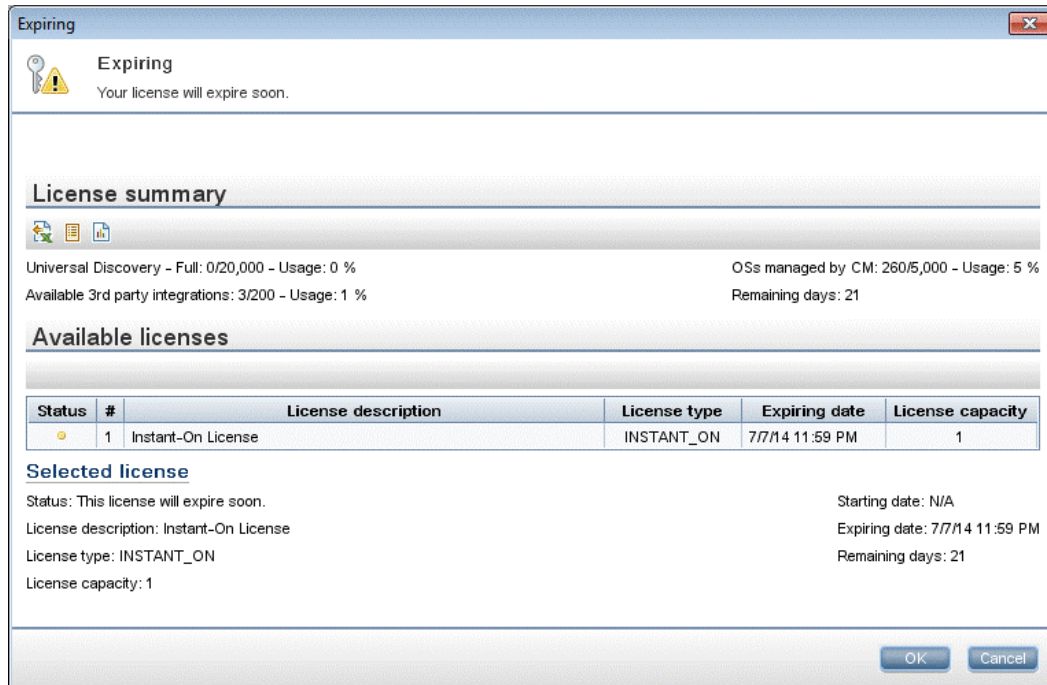
2. Check the License summary report

1. The permissive Instant-On License is installed by default and is going to expire in 21 days.

2. Launch UCMDB UI as Admin user.

3. Click the **<License status>** button on the status bar.

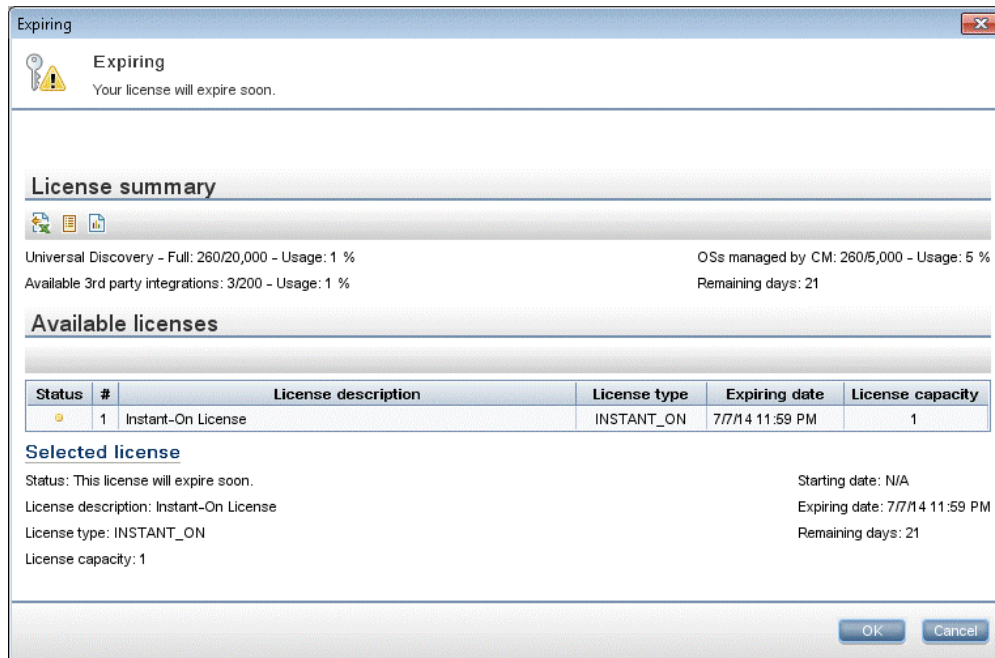   The License summary report window opens.

4. Check the License summary report

   - Only Instant-On License is listed even though you have had some licenses installed when you worked with the previous version. The licenses issued for previous versions are not compatible with UCMDB 10.10 and up, so they are not visible.

   - The UD Full license usage is not yet displayed even if there are discovered OSIs in your UCMDB. This is because they were not touched by Probe 10.10 yet.

   - OSs managed by CM usage displays the number of OSIs belonging to the results of the managed in CM views.

- The Managed Data Repository (MDR) usage is displayed according to the third party integrations you have in UCMDB.

5. Wait for Probe 10.10 to run discovery.

6. Check the License summary again:

- The Instant-On license expiring in 21 days is listed.

- Universal Discovery Full usage is displayed according to how many discovered operating systems you have in UCMDB.

- OSs managed by CM usage displays the number of OSs that belong to the results of the managed in CM views.

- The MDR usage is displayed according to the third party integrations you have in UCMDB.

3. Install licenses issued for UCMDB 10.10 and later, check licenses details and license capacity using JMX console

1. Install licenses issued for UCMDB 10.10 and later, according to the contract you already have, by using **JMX console > Licensing Services > addLicense**.

   When installing licenses, the Instant-On is overwritten.

   For details, see the *How to Manage UCMDB Licenses Using the JMX Console* section in the

HP Universal CMDB JMX Reference Guide.

<u>JMX Search</u> <u>JMX List</u> <u>Operations Index</u> (Current Server is a writer: myd-vm04584)

UCMDB:service=Licensing Services

Operations:	
addLicense	Install License
addLicenseFromFile	Install License from File
getAllActiveLicenses	Show All Active Licenses
getAllLicenses	Show All Licenses Including Expired and Invalid
getLicenseSummary	Show the License Summary of all Active Licenses
removeAllLicenses	Remove All the Installed Licenses (BACK UP FIRST!)

addLicense

Install License

Name	Type	Value	Description
customerID	java.lang.Integer		Customer ID
licenseKey	java.lang.String		Raw License Key

Invoke

2. Check information about licenses details by using the **getAllLicenses** method of Licensing Services.

JMX Search JMX List Operations Index Back to MBean Reinvoke MBean (Current Server is a writer: myd-vm04584)

Mbean: UCMDB:service=Licensing Services. Method: getAllLicenses

Feature	Value
License	Universal Discovery per OS Instance
Type	TERM
Start Time	Tue Jun 17 03:00:00 IDT 2014
End Time	Tue Sep 30 02:59:59 IDT 2014
Capacity	100
License	UCMDB-CM - Advanced Configuration Manager per OS Instance
Type	TERM
Start Time	Tue Jun 17 03:00:00 IDT 2014
End Time	Tue Sep 30 02:59:59 IDT 2014
Capacity	300
License	UCMDB Third Party Integration per MDR
Type	TERM
Start Time	Tue Jun 17 03:00:00 IDT 2014
End Time	Tue Sep 30 02:59:59 IDT 2014
Capacity	3
License	Universal Discovery Inventory per OS Instance
Type	TERM
Start Time	Tue Jun 17 03:00:00 IDT 2014
End Time	Tue Sep 30 02:59:59 IDT 2014
Capacity	200

3. Check information about licensed capacity by using the **getLicenseSummary** method of Licensing Services.

JMX Search   JMX List   Operations Index   Back to MBean   Reinvoke MBean   (Current Server is a writer: myd-vm04584)

Mbean: UCMDB:service=Licensing Services. Method: getLicenseSummary

Feature	Value
Third Party MDR	3
Universal Discovery Inventory	200
Universal Discovery	100
Advanced Configuration Manager	300
UCMDB Foundation	true
Customer Type	BASE

4. Launch License summary report and check license usage

Launch License summary report from UCMDB UI and check the license usage, according to what capacity you are licensed for:

- The installed licenses details are displayed in Available licenses panel.

- UD Full usage – number of OSIs discovered by Full discovery jobs

- UD Inventory usage – number of OSIs discovered by Inventory discovery jobs

- OSIs managed by CM usage – number of OSIs that are managed by CM

- Available third party integrations usage – number of integrations with non HP products

- Oracle LMS – in case you have license for Oracle LMS report

- Foundation – in case you have Foundation license

5. Review the counted OS instances in the Licensed OSIs Report

1. Select **Managers > Modeling > Reports.** In the **Custom Reports** pane, click **Administration** and do one of the following:

    - Right-click **Licensed OSIs Report** and select **Create New Report**.

    - Double-click **Licensed OSIs Report**.

    - Select **Licensed OSIs Report** and drag it onto the right pane.

2. Review the counted OS instances in the Licensed OSIs Report:

    - OSs that are discovered by UD Full jobs have **True** in the **UD Full** column if they are covered by license capacity, **"False"** if not covered, and **"-"** if not applicable for the license type.

    - OSs that are discovered by UD Inventory license have **True** in the **UD Inventory** column if they are covered by license capacity, **"False"** if not covered, and **"-"** if not applicable for the license type.

    - OSs that are managed in Configuration Manager have **True** in the **CM Managed** column if

they are covered by license capacity, **"False"** if not covered, and **"-"** if not applicable for the license type.

- The **Third party licenses** tab shows the integration points consuming capacity from the UCMDB third party integration per MDR license.

- On the **Licensd OSIs** tab, if there is no license of a certain type available, the relevant column is not displayed.

- On the **Third party licenses** tab, if there is no license consumption there is nothing displayed.

6. Install additional license capacity when you discover more OSs than you are licensed for

When discovering more Operating Systems than you are licensed for, you are still able to use UCMDB Server. The server gets non-compliant status.

1. Launch License Summary report to check what exceeded capacity is.

2. In order to get **Compliant**, you can install additional license capacity using the **addLicense** method in the JMX console.

3. In JMX console, invok the **getLicenseSummary** method to verify that the licensed capacity is increased.

JMX Search   JMX List   Operations Index   Back to MBean   Reinvoke MBean   (Current Server is a writer: myd-vm04584)

Mbean: UCMDB:service=Licensing Services. Method: getLicenseSummary

Feature	Value
Third Party MDR	3
Universal Discovery Inventory	200
Universal Discovery	200
Advanced Configuration Manager	300
UCMDB Foundation	true
Customer Type	BASE

4. Launch License summary report again.

Now the UCMDB Server status is **Compliant**.

Compliant

Compliant
All licenses are compliant.

License summary

Universal Discovery - Inventory only: 180/200 - Usage: 90 %   Universal Discovery - Full: 116/200 - Usage: 58 %
OSs managed by CM: 128/300 - Usage: 42 %   Available 3rd party integrations: 3/3 - Usage: 100 %
Is UCMDB Foundation: Yes   Remaining days: 105

Available licenses

Status	#	License description	License type	Expiring date	License capacity
●	1	Universal Discovery per OS Instance	TERM	9/30/14 2:59 AM	100
●	2	Universal Discovery per OS Instance	TERM	9/30/14 2:59 AM	100
●	3	UCMDB-CM – Advanced Configuration Manager per OS Instance	TERM	9/30/14 2:59 AM	300
●	4	UCMDB Third Party Integration per MDR	TERM	9/30/14 2:59 AM	3
●	5	Universal Discovery Inventory per OS Instance	TERM	9/30/14 2:59 AM	200

Selected license

Status: This license is active.   Starting date: 6/17/14 3:00 AM
License description: Universal Discovery per OS Instance   Expiring date: 9/30/14 2:59 AM
License type: TERM   Remaining days: 105
License capacity: 100

OK   Cancel

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