

BE6000 Licensing Support on CUCM

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Introduction

This document describes the License Support for Business Edition 6000 (BE6000) starter Licenses on Cisco Unified Communications Manager (CUCM) version 12.5.

Prerequisites

Requirements

Cisco recommends that you have knowledge of these topics:

- CUCM version 12.5
- BE6000

Components Used

The information in this document is based on Cisco Call Manager version 12.5

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, ensure that you understand the potential impact of any command.

Background Information

Along with the Bootable ISO, OVA's, BE6000 also comes with some starter license bundle. These Starter License bundle can be of two types:

1. UCL – Licenses adjusted among Enhanced, Basic & Essential
2. UWL- Licenses adjusted among CUWL, Enhanced Plus, Enhanced, Basic & Essential

UCM when setup in BE6000 mode to request and consume BE6000 specific license so to avoid cross usage in other solution offers. The administrator can enable/disable BE6000 mode through

CLI.

While the mode is selected confirm which Starter Pack licenses are required (None/UCL/UWL). Starter Pack licenses will be BE6000 UCL Starter Bundle or BE6000 UWL Starter Bundle or None.

Procedure

This is the procedure to enable BE6000 licensing mode

1. Administrator enables BE6000 mode from CLI. `utils BE6000Mode disable``utils BE6000Mode enable``utils BE6000Mode status`
2. While BE6000 mode is enabled, the administrator selects UCL or UWL starter bundle or NONE.
3. Licenses are adjusted based on the starter bundle chosen (UCL/UWL). No adjustments are done when NONE is chosen. UCL – Licenses adjusted among Enhanced, Basic & Essential UWL- Licenses adjusted among CUWL, Enhanced Plus, Enhanced, Basic and Essential
4. License Management UI displays the license consumption and deployment mode.
5. Only 35 licenses are adjusted to UCL & UWL starter pack.

Note: Product instance must be deregistered from Cisco Smart Software Manager or satellite before this **utils BE6000Mode enable** command is executed.

BE6000 Mode is enabled only when the product instance is in Enterprise Mode.

License Management UI

After BE6000 mode is enabled, you can observe these changes on License Management UI:

- Displays the licensing mode as BE6000.
- License Requirements By Type shows BE6000 licenses and starter bundles. BE6000 UCL Starter Bundle. BE6000 UWL Starter Bundle.
- When you add more devices or associated with the user, the license is fulfilled first from the start pack bundle.
- Once the starter pack bundle is exhausted which means we have used all 35 licenses then the next license fulfilment would be from normal via CSSM.
- The Current Usage column shows as 0 until it has exhausted all the 35 starter pack licenses.

Note: License Consumption will be adjusted among CUWL, Enhanced Plus, Enhanced, Basic & Essential based on starter bundle chosen. ‘*’ symbol is displayed against licenses that are adjusted from a BE6000 starter bundle.

Verify

In this image, BE6000 Mode is disabled.

Smart Software Licensing

Registration Status: ⚠ Unregistered

License Authorization Status: ⚠ Evaluation Mode (87 days remaining)

Export-Controlled Functionality: Not Allowed

Transport Settings: [Direct View/Edit the Licensing Smart Call Home settings](#)

Licensing Mode: Enterprise

License Usage Report

i Below is a summary of current license usage on the system. Current usage details for each type are available by pressing "Update Usage Details". Note that collecting these data is a resource intensive process and may take several minutes to complete, depending on the size of the system.

[View All License Type Descriptions And Device Classifications](#)

Usage Details Last Updated: 2018-06-28 08:41:13

License Requirements by Type

License Type	Current Usage	Status	Report
CUWL	1	⚠ Evaluation	Users(1) Unassigned Devices(0)
Enhanced Plus	1	⚠ Evaluation	Users(1)
Enhanced	1	⚠ Evaluation	Users(0) Unassigned Devices(1)
Basic	0	✔ No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	1	⚠ Evaluation	Users(0) Unassigned Devices(1)
TelePresence Room	1	⚠ Evaluation	Users(0) Unassigned Devices(1)

BE6000 Mode is enabled with UCL Starter Bundle, as shown in the image.

Smart Software Licensing

Registration Status: ⚠ Unregistered

License Authorization Status: ⚠ Evaluation Mode (87 days remaining)

Export-Controlled Functionality: Not Allowed

Transport Settings: [Direct View/Edit the Licensing Smart Call Home settings](#)

Licensing Mode: BE6000

License Usage Report

i Below is a summary of current license usage on the system. Current usage details for each type are available by pressing "Update Usage Details". Note that collecting these data is a resource intensive process and may take several minutes to complete, depending on the size of the system.

[View All License Type Descriptions And Device Classifications](#)

Usage Details Last Updated: 2018-06-28 08:43:49

License Requirements by Type

License Type	Current Usage	Status	Report
CUWL	1	⚠ Evaluation	Users(1) Unassigned Devices(0)
Enhanced Plus	1	⚠ Evaluation	Users(1)
Enhanced	0	✔ No Licenses in Use	* Users(0) Unassigned Devices(1)
Basic	0	✔ No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	0	✔ No Licenses in Use	* Users(0) Unassigned Devices(1)
TelePresence Room	1	⚠ Evaluation	Users(0) Unassigned Devices(1)
BE6000 UCL Starter Bundle	1	⚠ Evaluation	
BE6000 UWL Starter Bundle	0	✔ No Licenses in Use	

* indicates some or all licenses are from a BE6000 Starter Bundle









BE6000 Mode is enabled and UWL starter pack is Selected.

License Requirements by Type

License Type	Current Usage	Status	Report
CUWL	0	✔ No Licenses in Use	* Users(1) Unassigned Devices(0)
Enhanced Plus	0	✔ No Licenses in Use	* Users(1)
Enhanced	0	✔ No Licenses in Use	* Users(0) Unassigned Devices(1)
Basic	0	✔ No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	0	✔ No Licenses in Use	* Users(0) Unassigned Devices(1)
TelePresence Room	1	⚠ Evaluation	Users(0) Unassigned Devices(1)
BE6000 UCL Starter Bundle	0	✔ No Licenses in Use	
BE6000 UWL Starter Bundle	1	⚠ Evaluation	

* indicates some or all licenses are from a BE6000 Starter Bundle

BE6000 Mode enabled and none is selected.

License Requirements by Type					
License Type	Current Usage	Status	Report		
CUWL	1	 Evaluation	Users(1) Unassigned Devices(0)		
Enhanced Plus	1	 Evaluation	Users(1)		
Enhanced	1	 Evaluation	Users(0) Unassigned Devices(1)		
Basic	0	 No Licenses in Use	Users(0) Unassigned Devices(0)		
Essential	1	 Evaluation	Users(0) Unassigned Devices(1)		
TelePresence Room	1	 Evaluation	Users(0) Unassigned Devices(1)		
BE6000 UCL Starter Bundle	0	 No Licenses in Use			
BE6000 UWL Starter Bundle	0	 No Licenses in Use			

Indicates some or all licenses are from a BE6000 Starter Bundle

Troubleshoot

In case of any issue, you need to collect these logs :

- Smart agent logs are a part of slm.log (**activelog/cm/trace/slm/log4j/slm.log**)
- Call home logs are written into:
activelog/cm/trace/slm/log4j/gch.log
activelog/cm/trace/slm/log4j/tp.log