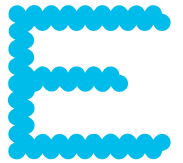
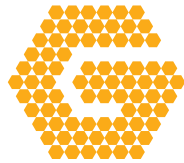
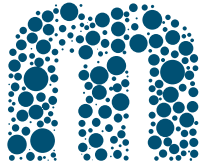


Cisco *live!*

January 28 - February 1, 2019 - Barcelona



INTUITIVE



BRKUCC-2725

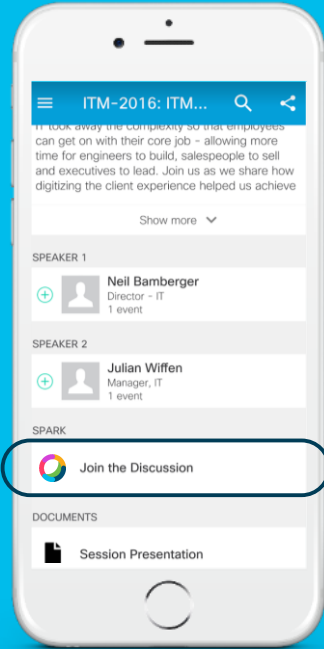
Transitioning to Smart Licensing: Cisco Unified Communications Manager and Cisco Unity Connection 12.x

Chris Barlow, Product Manager

Manish Joshi, Product Manager



INTUITIVE



cs.co/cisolivebot#BRKUCC-2725

Cisco Webex Teams

Questions?

Use Cisco Webex Teams (formerly Cisco Spark) to chat with the speaker after the session

How

- 1 Find this session in the Cisco Events Mobile App
- 2 Click “Join the Discussion”
- 3 Install Webex Teams or go directly to the team space
- 4 Enter messages/questions in the team space

Agenda

- Brief Overview of Smart Licensing & Smart Accounts
- Cisco Smart Software Licensing Deployment Options
- Cisco Collaboration Portfolio Smart Licensing Roadmap
- Cisco Unified Communications Manager 12.x Configuration & Administration
- Migrating/Upgrading from Pre-12.x licensing to Smart Licensing
- Cisco Unity Connection 12.x Configuration & Administration
- Conclusion

Cisco Live Smart Licensing Sessions

Care and Feeding of Smart Licensing - BRKARC-2034

Donnie Savage, Architect, Engineering Licensing Office, Cisco - **Distinguished Speaker**

James Ng, Technical Marketing Engineer, Cisco - **Distinguished Speaker**

SCHEDULE

Wednesday, Dec 05, 11:00 AM - 1:00 PM

In this session, you will learn about deploying Cisco products using Cisco's latest product licensing vision. Come learn the foundational concepts you need to know as you deploy and configure Smart Software Licensing for Cisco products. Together we will go over the various scenarios you might for deploying Smart License enabled products in connected and mediated networks. For mediated (disconnected) networks, we will also present an overview of the Cisco Smart Software Manager satellite, and how product configuration differs when its used . By moving to a ISO -19770 Software Asset Management (SAM) solution, Cisco Smart Software Licensing simplifies the deployment of Cisco Products focusing on usage (what and how many) and not enforcement. With Cisco Smart Software Licensing, say "goodbye" to Product Activation Keys (PAKs) and License files!

Technical Level: Intermediate

Technology: Other

Solutions: Other

Session Type: Breakout

Tracks: Enterprise Networks

Session Language: English

Learning Paths: Software Development



On Demand Cisco Live Library:

<https://cicolive.cisco.com/on-demand-library/?#/>

Search for "Smart Licensing"

Overview of Smart Licensing & Smart Accounts

Why Smart Licensing?

Inconsistency and
Confusion

Variety of methods for purchasing, licensing, activating

Tedious

Multi-step Ordering and Provisioning (PAK based)
Movement or Rehost of licenses is painful

No Centralized Location

Where all SW entitlement and related data stored

Different Licensing
Technologies

Many Licensing Tools and Technologies

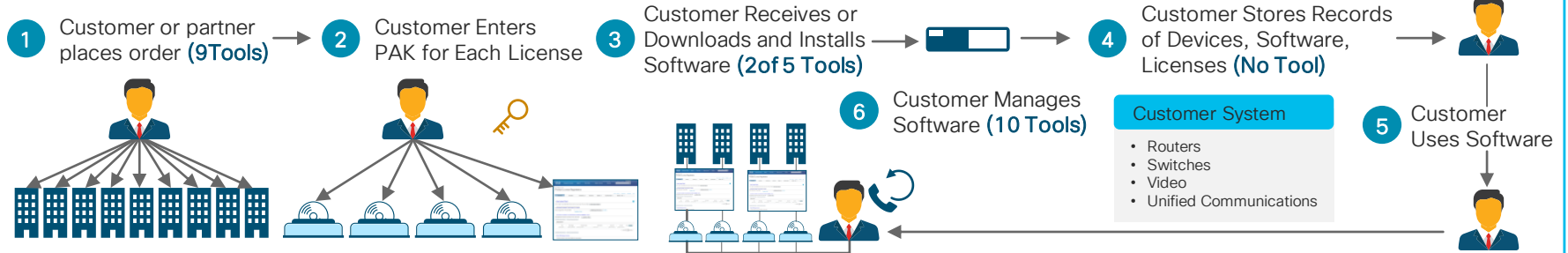
Simplifying the Cisco Software experience with Cisco Smart Software Licensing

- A new way of thinking about licensing at Cisco that is being applied to all Cisco products
- Software inventory management system providing a clear view of Software ownership and utilization
- A connected experience with seamless integration of Ordering, Smart Account and Smart enabled products
- Org level license visibility and sharing
- Automatic entitlements over traditional approach of PAKs reducing manual overheads and tracking

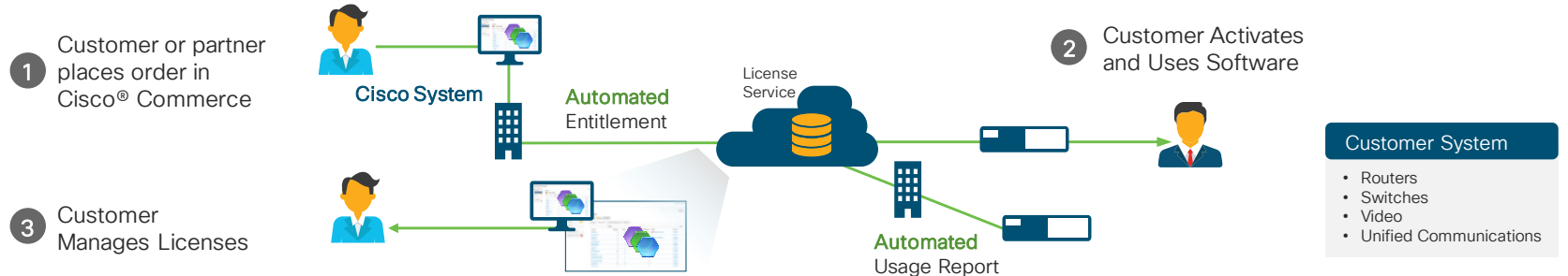


Simplified Software Activation

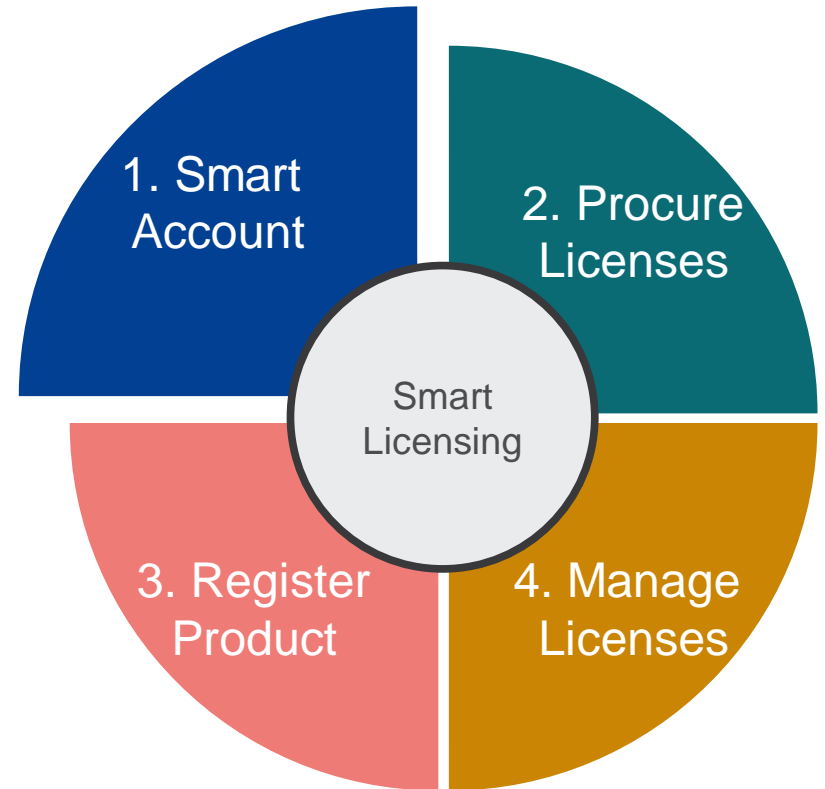
Today's Experience



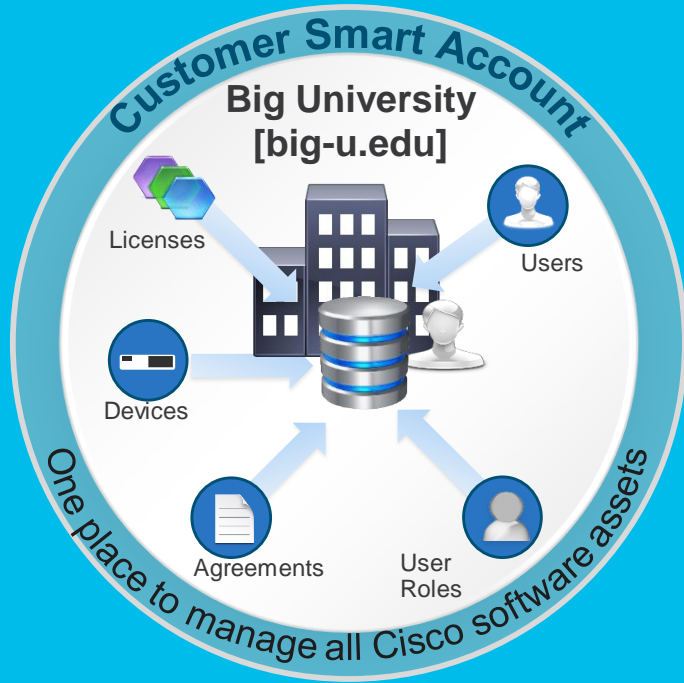
Tomorrow's Experience



Smart Licensing Work Flow



Smart Account



- Central location where Customers can view, store, manage and move software assets.
- Types of Smart Account :
 - Customer Smart Account
 - Partner Holding Smart Account
- Virtual Account : Subset of Smart Account which Customers and Partners can use to internally organize licenses.
- Customers can define Roles and Access for Partners managing their Smart Account or Virtual Account

Virtual Account

- Subset of Smart Account which Customers and Partners can use to internally organize licenses.
- This is self defined construct and organization can designed to fit company's specific needs:
 - Department
 - Geography etc
- Customer can define access to Smart Account and Virtual Account
- Roles :
 - Smart Account Administrator : Edit Smart Account, manage users and license management overall
 - Smart Account User : View Licenses in Virtual Account but cannot create Virtual Accounts
 - Virtual Account Administrator : Edit Virtual Account and perform license management
 - Virtual Account User : View and perform licensing activities for the selected Virtual Account



Customer
Smart Account



Virtual Accounts



Organized
Inventory

Small Business Customer Smart Account Leading Practices

Small Business Profile:



Location

- Located in a single region or country.
- Limited variation in legal requirements or liability across the organization.



Organizational Structure

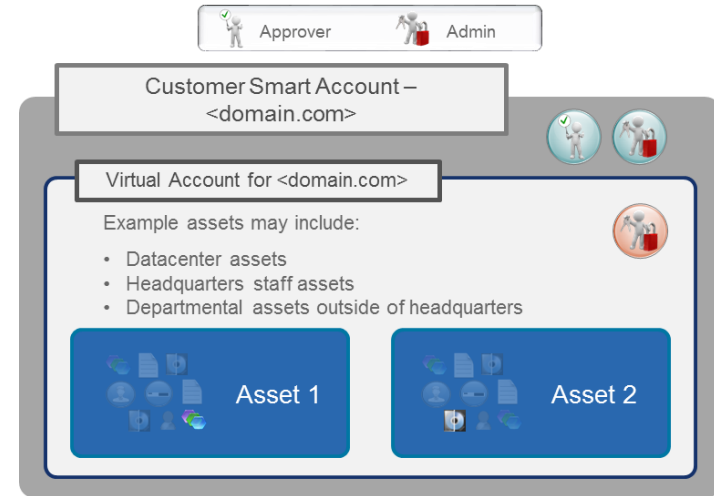
- Highly centralized organizational structure.
- Processes and management are located in one central location.
- Low number of operational divisions controlling assets across the company.



Streamlining Processes

- Interested in limiting license management overhead.
- May not have a dedicated license manager or team.
- More likely to have static hardware installations which don't require constant license management.

Typical Setup



*Can have single Smart Account controlling multiple assets

Medium Business Customer Smart Account Leading Practices

Medium Business Profile:



Location

- Located in a single region or country.
- May have divisions within a geopolitical location.
- May have some regional tax or legal requirements related to purchasing or asset management.



Organizational Structure

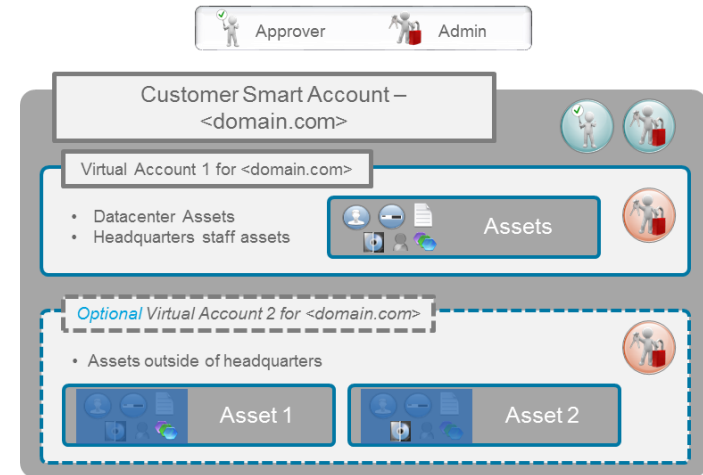
- Semi-centralized organizational structure
- Processes and management are located in one central location.
- May have multiple operational divisions controlling assets across the company.



Streamlining Processes

- Interested in limiting license management overhead.
- May have a dedicated license manager or team.
- Manage assets across multiple geographies which may require license management or maintenance.

Typical Set up



*Can have multiple Virtual Accounts by departments, org lines

Large Business Customer Smart Account Leading Practices

Large Business Profile:



Location

- Located in a multiple distinct regions or countries.
- Adheres to complex legal requirements or liability across the organization.



Organizational Structure

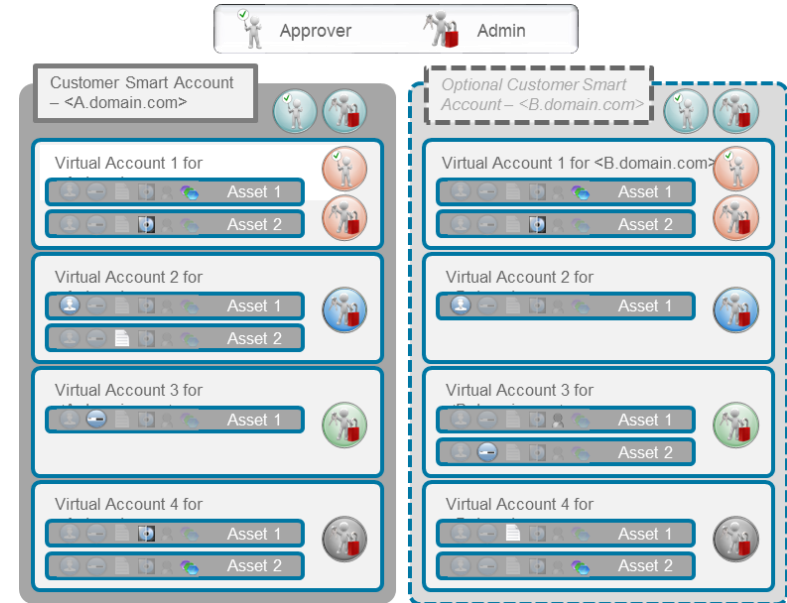
- Centralized process driving a global company.
- Autonomous divisions controlling assets across the country with independent P&L.
- Require recursive, multiple levels of asset management.
- Have a full compliment of User Personas in each regional location.



Streamlining Processes

- Interested in limiting license management overhead.
- Has a dedicated license manager or team, possibly multiple teams.
- Fluid asset utilization across the company with significant management activity.
- Required by law to adhere to restrictions based on location.

Typical Set up



*Can have multiple Smart Accounts by Geographic region, product family etc.

Should my Large Business have multiple Customer Smart Accounts?

Multiple Customer Smart Accounts can be set up (via an exception process) to satisfy company segmentation requirements but there are some significant restrictions in what visibility and functionality is available to users as a result.



Set up separate Customer Smart Accounts if:

- Your company does not have a dedicated individual to serve as a global Customer Smart Account Administrator to set up virtual accounts for independent global or regional divisions.
- A holding company with multiple independent companies may want to set up separate Customer Smart Accounts for each wholly owned subsidiary.



Limitations of separate Customer Smart Accounts:

- Licenses can not be moved between Customer Smart Accounts in a self serve fashion. A case will have to be opened with Cisco Support Team to move entitlements between accounts.
- Reports can not be generated across multiple Customer Smart Account domains providing a single view of what you own and what you are using.



Cisco recommends your company establish only a single Smart Account unless you have specific requirements which offset the limitations of multiple Smart Accounts

Cisco Software Central

software.cisco.com

One stop for all your software and licensing needs

Cisco Software Central

English [Change] | Hello, Marlee Hennig | Big-U University (DEMO)

- Home
- Order
- Download & Upgrades
- Provisioning
- License
- Administration



Download & Upgrade

Software Download
Download new software or updates to your current software

eDelivery
Get fast electronic fulfillment of software, licenses, and documentation

Product Upgrade Tool (PUT)
Order major upgrades to software such as Unified Communications

Upgradeable Products
Browse a list of all available software updates.

Manage Downloads and Upgrade Products



Network Plug and Play New

Plug and Play Connect
Device management through Plug and Play Connect portal

Learn about Network Plug and Play
Training, documentation and videos



License

Traditional Licensing
Generate and manage PAK-based and other device licenses, including demo licenses

Smart Software Licensing
Track and manage Smart Software Licenses.

Enterprise License Agreements
Generate and manage licenses from Enterprise License Agreements.

Software License Tools



Order

Buy Directly from Cisco
Configure, price, and order Cisco products, software, and services. Available to partners and to customers with a direct purchasing agreement.

End User License and SAAS Terms
Cisco software is not sold, but is licensed to the registered end user. The terms and conditions provided govern your use of that software. Read them here.

Ordering and EULA Tools



Administration

All Users:

- Request a Smart Account**
Get a Smart Account for your organization or initiate it for someone else
- Request Access to an Existing Smart Account**
Submit a request for access to a Smart Account
- Manage Smart Account**
Modify the properties of your Smart Accounts and associate individual Cisco Accounts with Smart Accounts.
- Learn about Smart Accounts**
Access documentation and training.

Additional for Partners:

- Request a Partner Holding Account**
Allows Cisco Partners to request a Holding Smart Account

Smart Account Management



Create a Smart Account

Proactive Creation

Allows for the Partner or Customer to set up a Smart Account Outside of an order, either to receive future orders or to organize existing licenses



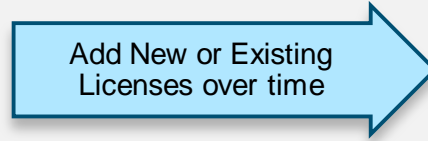
Software.
cisco.com



Begin Smart Account
Creation Process



Customer Approval
of New Account



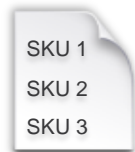
Licenses Available
for Customer Use

While Placing an Order

Allows for a Partner to Create (or Select) a Smart Account for Use while Placing an Order



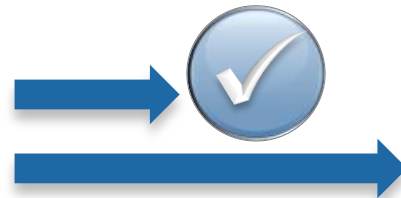
Commerce
(CCW)



Create BoM



Search for Smart
Account and **Create
New Account** if Needed



Customer Approval
of New Account



Licenses Available
for Customer Use

Cisco Smart Software Manager

Self-manage Cisco licenses, based on consumption needs, in one interface

Smart Account

Cisco Software Central > Smart Software Licensing

Smart Software Manager

Alerts | Inventory | Reports | Email Notification | Satellites | Activity

Virtual Account: Default Virtual Account

Development
DevTest
EMEA - Partners
Finance
Ga_regression
HR

Event Log

1 12 2

Track issues

1 Major 64 Minor Hide Alerts

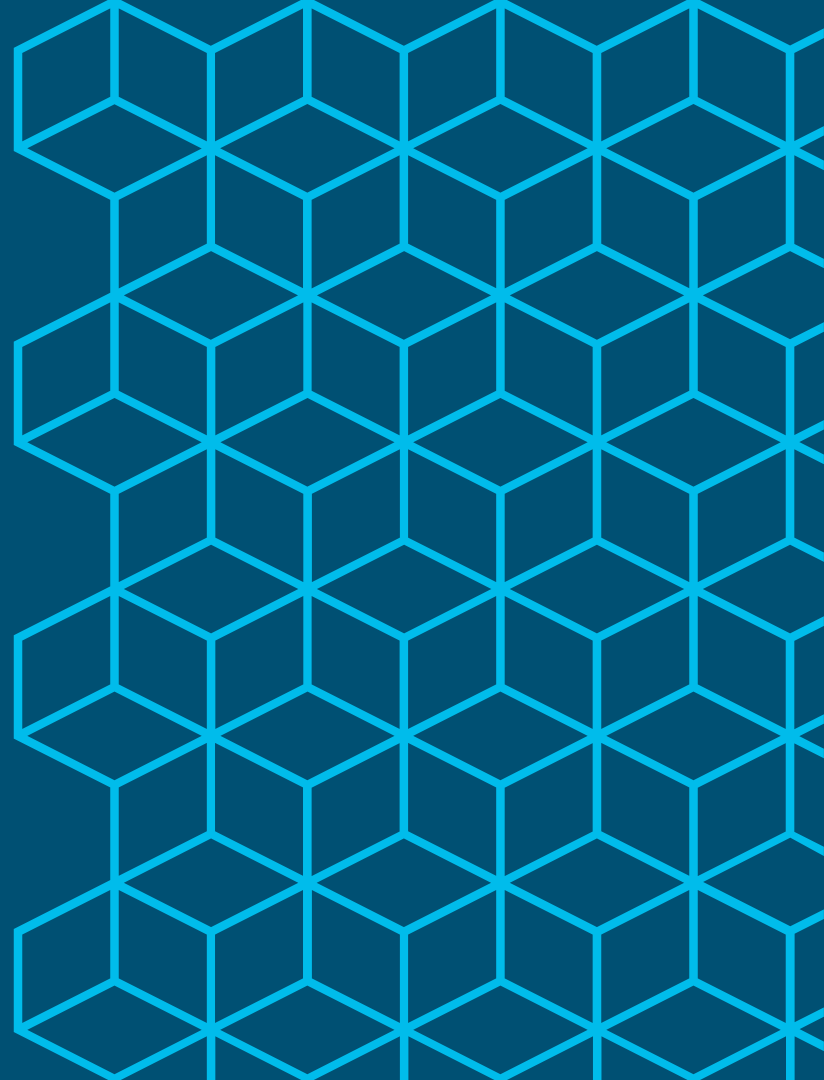
Track licenses

License	Quantity	In Use	Surplus (+) / Shortage (-)	Alerts	Actions
ISR G2 3925 CPS EN	25	0	25	25	Transfer..
ISR G2 2911 NES	25	0	25	25	Transfer..
ISR G2 3925e CPS ENT	25	0	25	25	Transfer..
ISR G2 3925e NES ENT	25	0	25	25	Transfer..
IOS-XRv Route Reflector VM License, Base-Medium, 1 yr Term	25	0	25	25	Transfer..
IOS-XRv Route Reflector VM License, Advance-Medium, 1 yr Term	25	0	25	25	Transfer..
IOS-XRv Route Reflector VM License, Base-Medium, 1 yr Term	25	0	25	25	Transfer..
IOS-XRv Route Reflector VM License, Advance-Medium, 1 yr Term	25	0	25	25	Transfer..
AIR-CT5500-K9-3925e-CP	200	0	200	200	Transfer..

Transfer Licenses

- View your license and product inventories
- Understand license and product landscape
- Receive timely issue messaging
- Easily troubleshoot product and license inventories

Cisco Smart Software Licensing Deployment Options

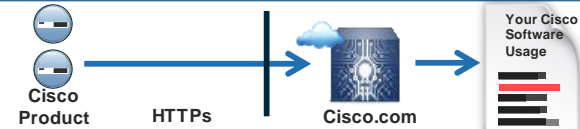


Balancing Simplicity with Security

Options

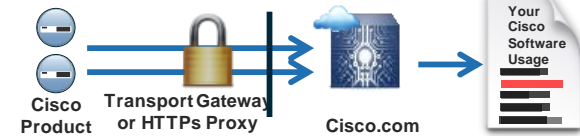
1 Direct cloud access

Cisco product sends usage information directly over the internet. No additional components are needed.



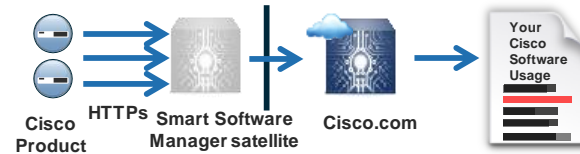
2 Direct cloud access through an HTTPs proxy

Cisco Products send usage information over the internet via a Proxy Server – Smart Call Home Transport Gateway (Free VM Download) or off-the-shelf Proxy (such as Apache).



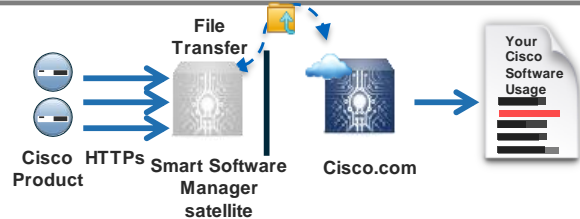
3 Mediated access through an on-premises collector – connected

Cisco Products send usage information to a local connected collector, which acts as a local license authority. Periodically, an exchange of information will be performed to keep the databases in sync.



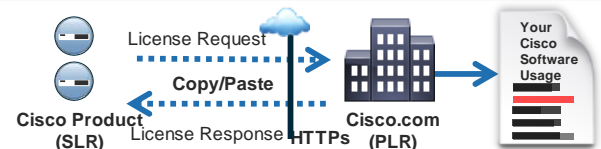
4 Mediated access through an on-premises collector – disconnected

Cisco Products send usage information to a local disconnected collector, which acts as a local license authority. Once a month, an exchange of human readable information will be performed to keep the databases in sync.



5 License Reservation (Specific License Reservation)

Permanent & Specific: Designed for highly secure intelligence and military environments where communications with outside is difficult. Products will operate normally without ongoing communication to either CSSM or satellite.



Ease of use
Security Policy

Cisco Smart Software Manager satellite

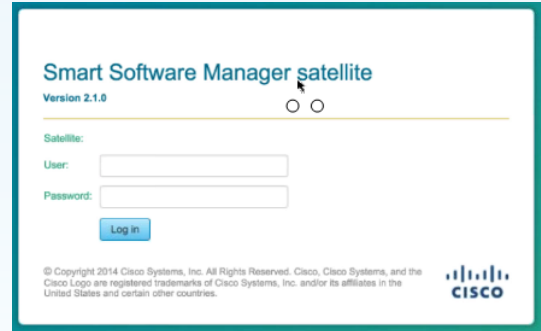
Cisco® Smart Software Manager satellite is an on-premises deployment of Cisco Smart Licensing provided free of charge.

Ideal for customers whose products are unable to reach Cisco.com directly.

Cisco Software Manager satellite

Contains a subset of, and works similar to, Cisco Smart Software Manager portal for license management of installed products.

- Cisco devices and software products are registered with, and report license consumption directly through Smart Software Manager satellite.
- Near real-time license usage information based on synchronization schedules with Smart Account.
- Provided at no additional cost.



The screenshot shows the login interface for the Cisco Smart Software Manager satellite. At the top, it says "Smart Software Manager satellite" with "Version 2.1.0" below it. There are two small circles to the right of the version number. Below this is a horizontal line. Underneath the line, there are labels for "Satellite:", "User:", and "Password:", each followed by a text input field. A blue "Log in" button is positioned below the password field. At the bottom left, there is a copyright notice: "© Copyright 2014 Cisco Systems, Inc. All Rights Reserved. Cisco, Cisco Systems, and the Cisco Logo are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries." At the bottom right is the Cisco logo.

Network Synchronization with Cisco Smart Software Manager

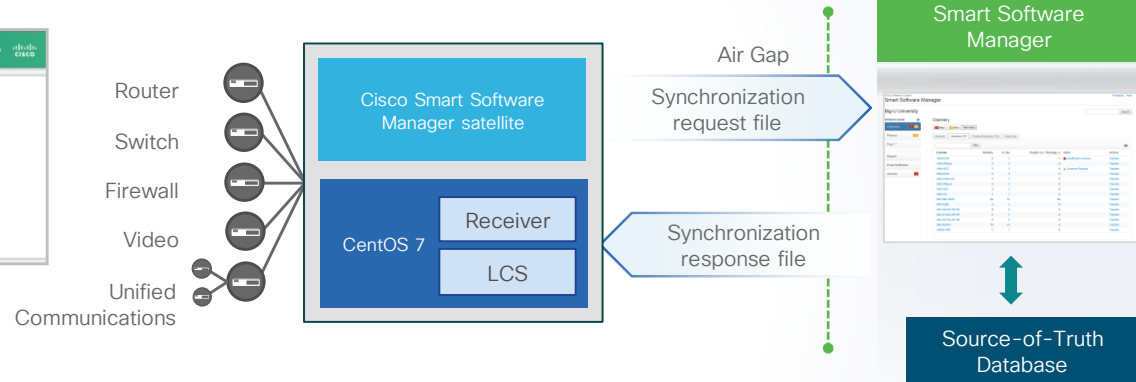
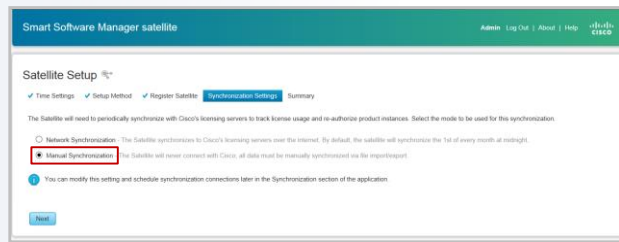
Automatic Network Synchronization: Connected Mode – Sync now, or schedule

- Synchronize Cisco® Smart Software Manager satellite and Smart Software Manager for the latest license entitlement and usage:
 - Products need to sync every 30 days. If no synchronization has occurred after 90 days, goes into Authorization Expired mode
 - Smart Software Manager satellite is removed from portal and satellite goes into reset mode after 365 days if no communication with CSSM
 - SSMSCT tool available for older satellite version (e.g. 4.0.0+) to increase to 365 days

The screenshot displays the Cisco Smart Software Manager interface for the 'Big-U Research Satellite'. The top right corner shows the 'Last Synchronization' date and time (Feb 4, 2014 10:10:10 CMT) and a 'Synchronize Now' button. Below this, there are two notification banners: a red one for 'Synchronization Overdue' (Action Due: Now) and a yellow one for 'Synchronization Attempt Failed' (Reason: Connection Failure). The 'Synchronization Settings' section is visible, with the 'Synchronization Mode' set to 'Network Synchronization' (indicated by a red box and a blue arrow pointing to a 'Scheduled Synchronization' box) and the 'Synchronization Schedule' set to 'Weekly' (indicated by a red box and a blue arrow pointing to an 'On Demand' box). The 'Synchronization Data Security Settings' section is also visible, with options to exclude Hostnames, IP Addresses, and MAC Addresses. The 'Save' and 'Reset' buttons are at the bottom.

Manual Synchronization with Cisco Smart Software Manager

Manual Synchronization: Disconnected Mode – Sync file upload or download



- Need to sync every 30 days. If no synchronization has occurred after 90 days, products go into Authorization Expired mode.

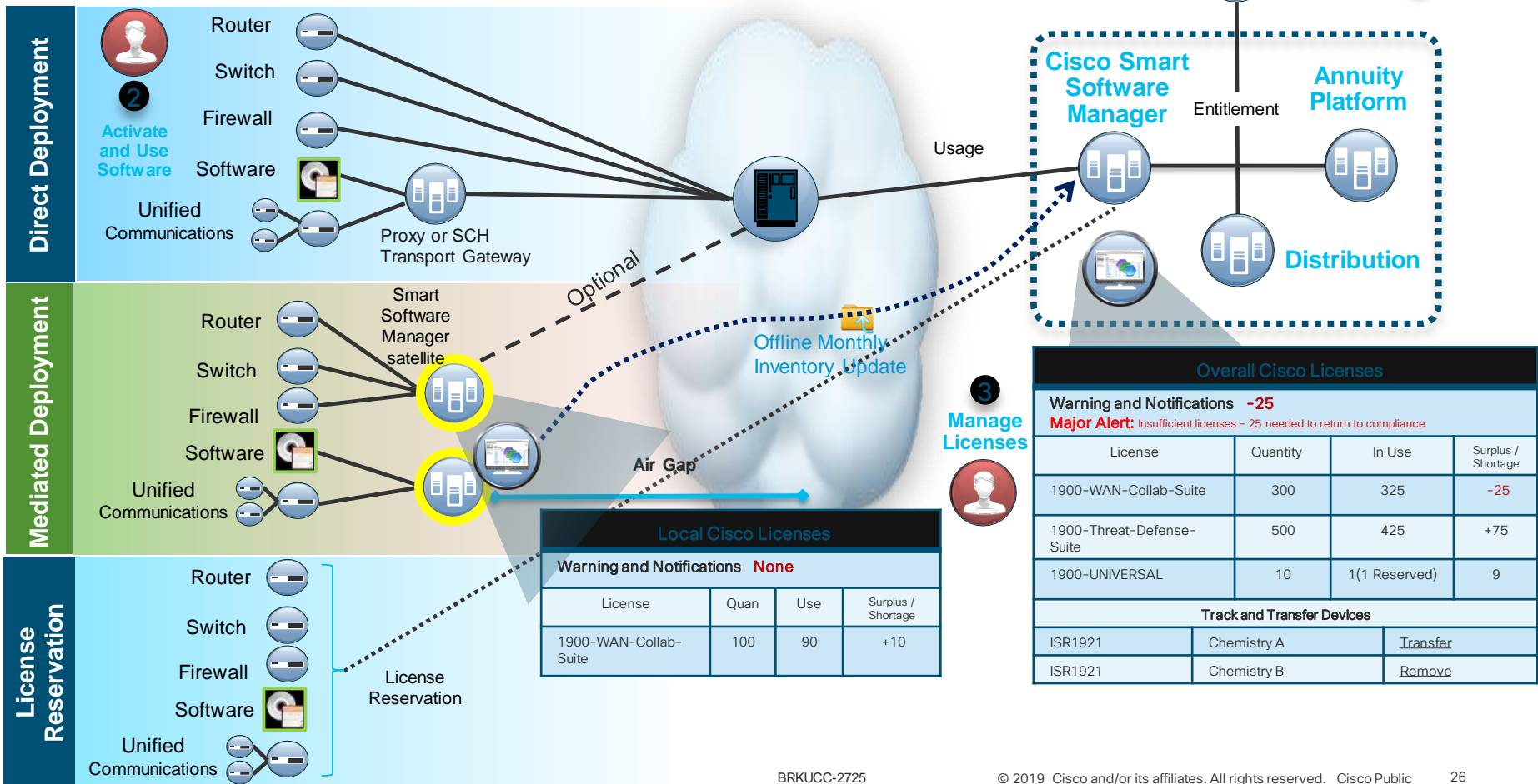
Specific License Reservation – Cisco Approval Required

- Specify and reserve perpetual or Term based licenses against UCM & CUC Product
- No regular sync required from the Product once Authorization Code is exchanged until any changes in reservation
- Reserved Licenses remain blocked in Cisco Smart Software Manager unless released from the Product with a Release Code
- Reserved Licenses in CSSM can be transferred across Virtual Account as needed.



Deploying Smart Enabled Products

Cisco Commerce Workspace   **1 Place Order**



Smart Product Telemetry & Visibility

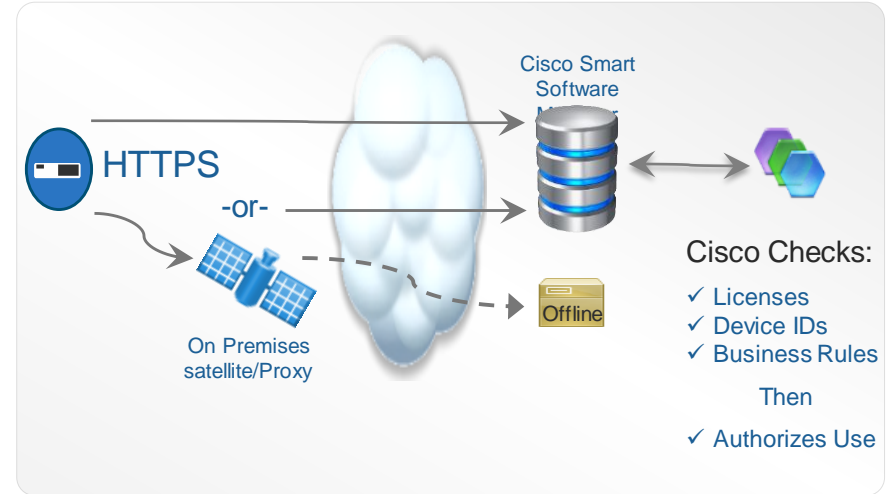
The Cisco Smart License requires the following minimal exchange of information during install/provisioning time.

Product -> CSSM (Request)

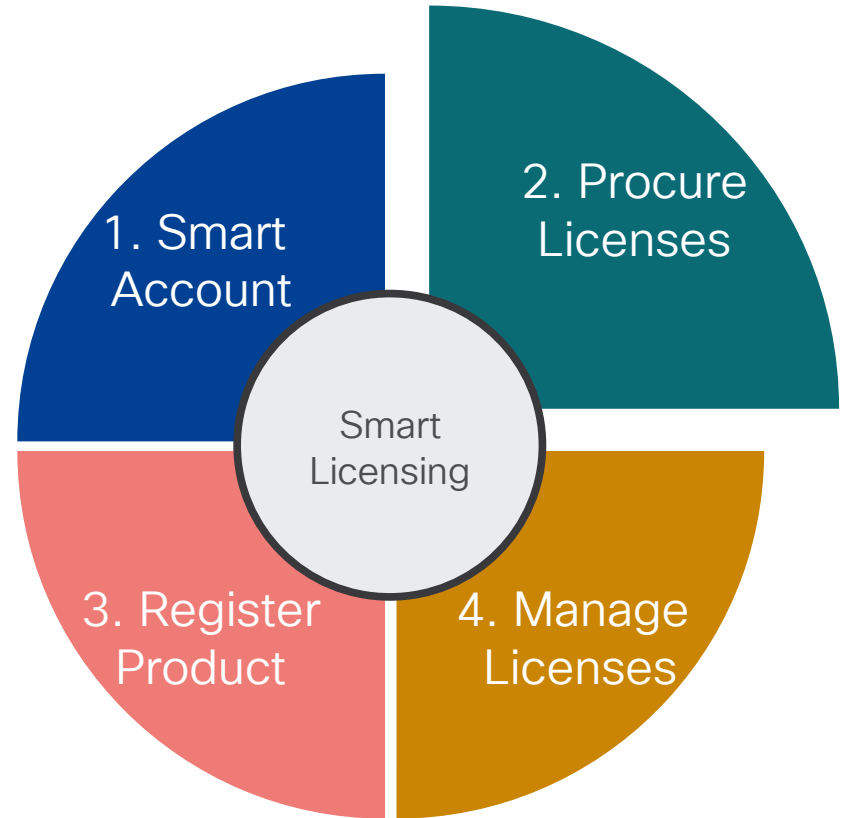
Information Collected	12.5	12.0
Trusted Unique Identifier (UDI)	Y	Y
Licenses Consumed	Y	Y
Product/Software ID	Y	Y
Organization Identifier (ID Token)	Y	Y
Hostname/IP Address	Optional	Y

CSSM -> Product (Response)

Information Returned	12.5	12.0
ID Cert	Y	Y
Smart/Virtual Account Name	Y	Y
License Status	Y	Y



Smart Licensing Work Flow



Ordering in CCW

- Smart SKUs : **SA icon** for SKUs which fulfill Smart Entitlements

- Assign a Smart Account during the order – either a Partner Holding Smart Account or a Customer Smart Account

QUOTE NAME SA_CMTest Global Price List in US Dollars (USD)

DEAL ID 22590680	QUOTE NUMBER ⓘ 4712784381	QUOTE STATUS NOT SUBMITTED	EXPIRY DATE N/A	SMART ACCOUNT ASSIGNMENT Assign Smart Account
---------------------	------------------------------	-------------------------------	--------------------	---

Deal Quote Review and Submit Order

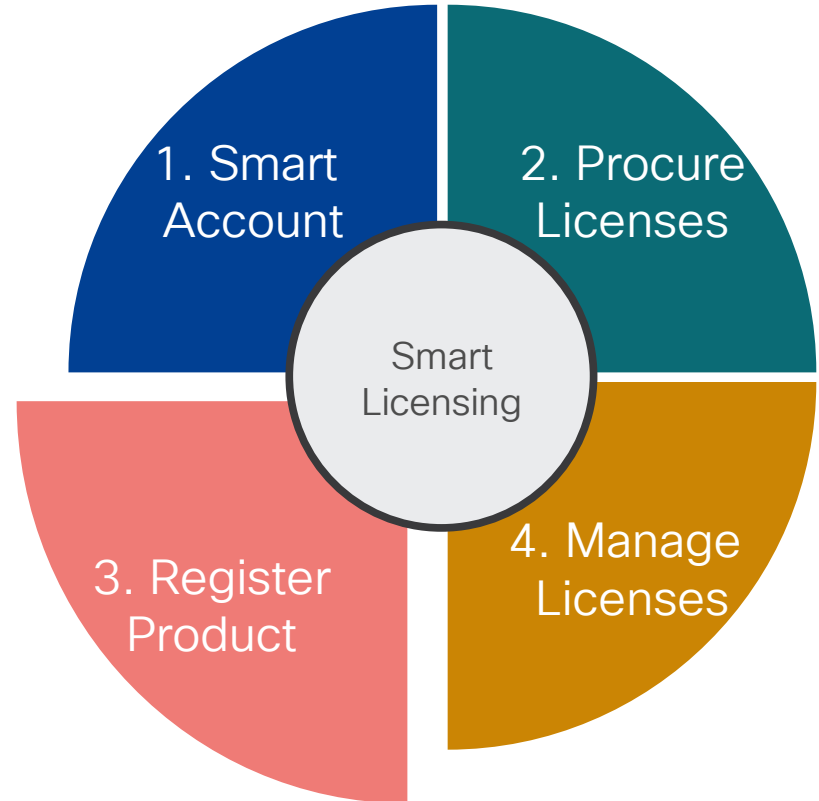
Items Discounts and Credits Install/Service Location Billing Save Save and Continue >

- If Customer Smart Account not available, Partners can still process order through Partner Holding Account and transfer entitlements in CCW later
- Users may also complete order with “Request Smart Account”. The Customer will receive an email and need to complete the Smart Account setup
- Smart Entitlements placed under Partner Holding Account cannot be consumed.

Migrating/Upgrading Classic Licenses to Smart

- Migration to a Smart-License enabled version available only with an active SWSS contract
 - From V9, V10, V11(user based licensing) classic to Smart Licenses
 - Can be performed on [CSSM](#) and [LRP](#) Portals (Self Serve)
 - From pre-V9 classic(DLU) to Smart Licenses
 - Manual migration through GLO
- Upgrade to a Smart-License enabled version without a SWSS contract
 - From V9, V10, V11(user based licensing) upgrade to Smart Licenses
 - Order a-la-carte Upgrade SKUs along with SWSS
 - From pre-V9 (DLU)upgrade to Smart Licenses
 - Order a-la-carte Upgrade SKUs based on LCU report from Classic Server. Add SWSS
 - Additional new licenses may be ordered

Smart Licensing Work Flow



Token creation in Cisco Smart Software Manager

Cisco Software Central > Smart Software Licensing

Hello, Bob
Smith

SS Law Firm

[Feedback](#) [Support](#) [Help](#)

Smart Software Manager

[Alerts](#) | [Inventory](#) | [License Conversion](#) | [Reports](#) | [Email Notification](#) | [Satellites](#) | [Activity](#)

Virtual Account: **UCM-NY** ▼

General

Licenses

Product Instances

Event Log

Virtual Account

Description: Virtual Account for "SS LAW FIRM, UCM NY Branch"
Default Virtual Account: No

Product Instance Registration Tokens

The registration tokens below can be used to register new product instances to this virtual account.

New Token...

Create registration token

Token	Expiration Date	Description
ZmYxYWI4NTItYWE3OS00ZTV...	2017-Sep-19 18:55:13 (in 223 days)	
ZGRmNzU4NTktMDVhNS00O...	Expired	Deepthi - CUCM Test
NjA1MDIhYzgtNGJiZS00M2EzL...	Expired	Alen's PC

What are ID Tokens (Organizational Identifier)

Used to establish 'identity' when registering a Product

Products are registered using the ID Token over SSL/TLS either locally or remotely

An ID Token:

Can be used once - or reused multiple times

Can be created and revoked at any time

Not needed after the product is registered

Is NOT stored on the Cisco Product

Expires after a period of time (default is 30 days;

Minimum of 1 day and a maximum of 365 days)

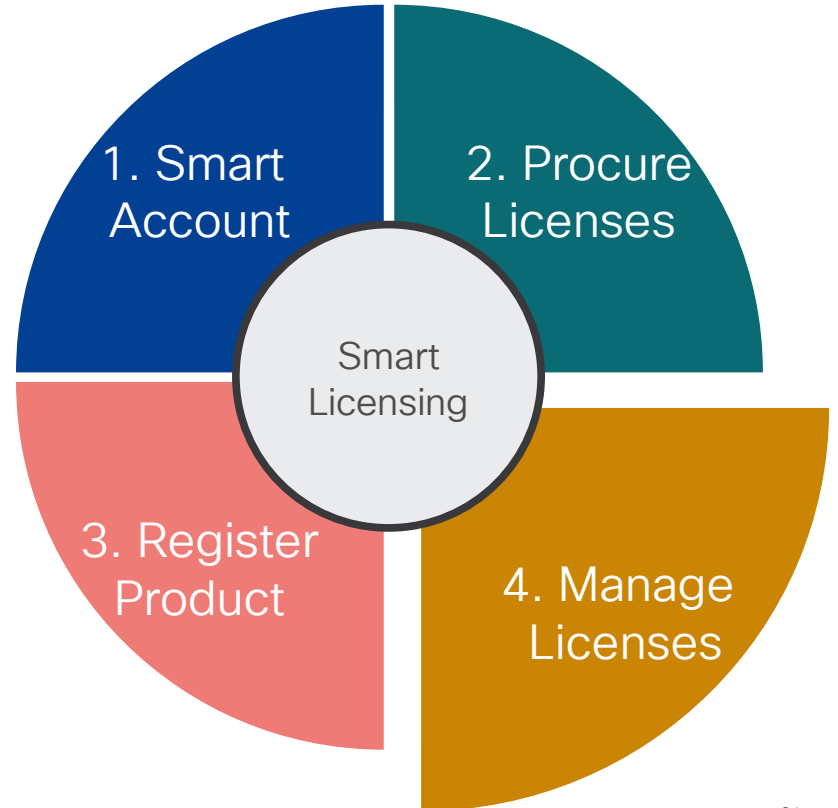
ID Tokens are NOT:

They are not Product specific

They are not licenses or keys or PAKs

They are not "one-time use" only

Smart Licensing Work Flow



License Management : CSSM

- Customers may self manage license in CSSM Portal. Tabs:
 - Alerts – Major/Minor alerts like license shortage/expiry for the Smart Account
 - Inventory – For a selected Virtual Account show licenses, registered product instances. Actions to help transfer or move Smart Entitlements within a Smart Account.
 - Reports – summary of License counts , usage , subscription status
 - Email Notification – alert of expiring licenses or disconnected product instance or information events can be emailed
 - Satellites – registered satellites or add new satellite, generate authorization file
 - Activity – Details for all transaction(s) within the Smart Account

The screenshot shows the Cisco Smart Software Licensing portal. The top navigation bar includes the Cisco logo, 'Products & Services', 'Support', 'How to Buy', 'Training & Events', and 'Partners'. A search bar is on the right. Below the navigation, the breadcrumb trail reads 'Cisco Software Central > Smart Software Licensing'. The page title is 'Smart Software Licensing'. A secondary navigation bar contains tabs for 'Alerts', 'Inventory', 'License Conversion', 'Reports', 'Email Notification', 'Satellites', and 'Activity'. On the right side, there are links for 'Feedback', 'Support', and 'Help', along with a 'Questions About Licensing?' link and a 'Try our Virtual Assistant' button. The main content area is titled 'Reports' and contains a table with the following data:

Name	Description
Licenses	Includes a summary of current license counts and usage over selected virtual accounts.
License Subscriptions	Includes a summary of current subscription license counts and usage over selected virtual accounts.
Product Instances	Includes count and listing of current product instances for selected virtual accounts.

License Management : CSSM

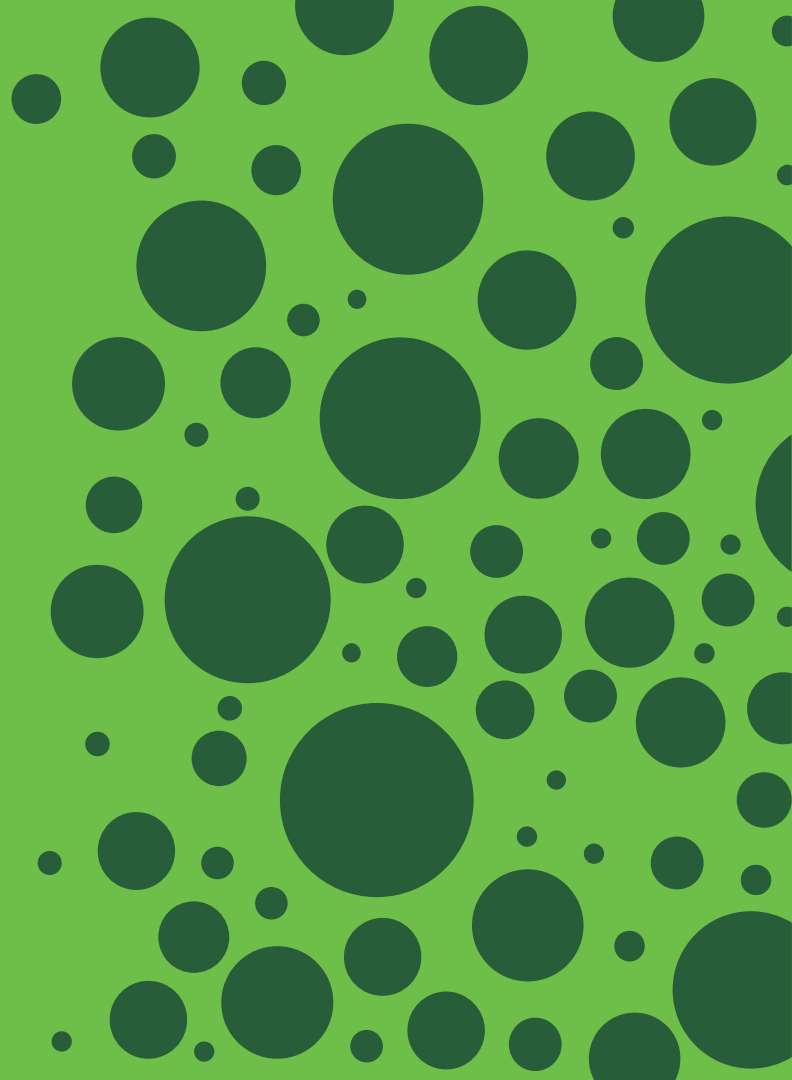
- Complete view of License usage, shortage/surplus if any, borrowed licenses.
- Option to self transfer licenses as needed
- All helps Customer and Partner in planning Budget

The screenshot displays the Cisco Smart Software Licensing (CSSM) interface. At the top, there is a navigation bar with the Cisco logo and links for Products & Services, Support, How to Buy, Training & Events, and Partners. The main header shows 'Cisco Software Central > Smart Software Licensing' and user information including 'English [Change]', 'Hello', and 'BU Production Test'. Below the header, there are navigation tabs for Alerts, Inventory, License Conversion, Reports, Email Notification, Satellites, and Activity. The 'Licenses' tab is selected, showing a table of license reservations. The table has columns for License, Quantity, In Use, Surplus (+) / Shortage (-), Alerts, and Actions. The data rows are as follows:

License	Quantity	In Use	Surplus (+) / Shortage (-)	Alerts	Actions
UC Manager Basic License (12.x)	32	0		32	Transfer..
UC Manager CUWL License (12.x)	23 ¹	0		22	Transfer..
UC Manager Enhanced License (12.x)	9	5		4	Transfer..
UC Manager Enhanced Plus License (12.x)	0 ¹¹	1		0	Transfer..
UC Manager Essential License (12.x)	15	0		15	Transfer..
UC Manager Telepresence Room License (12.x)	0	1		-1 ^x Insufficient Licenses	Transfer..

At the bottom right of the table, it says 'Showing All 6 Records'.

Cisco Collaboration Portfolio Smart Licensing Support Roadmap



Cisco Collaboration Portfolio Smart Licensing Support Roadmap

Q3FY19 (Jan - Apr)

Collaboration:

- Cisco WebEx Meeting Server (CWMS) (Mar) – **Smart Only**
- Cisco Unified Border Element (CUBE) (Mar) – Hybrid
- Expressway (Feb) – Hybrid
- Hosted Collaboration Solution (Mar)- API

www.cisco.com/go/smartlicensing

Products & Services / Software /

Smart Software Licensing Overview



What Is Smart Software Licensing?

Discover a simplified experience for purchasing, deploying, and managing licenses. (3:35 min)

Watch Video

Related Links

Smart Software Manager

Smart Software Manager Satellite

Plug and Play Connect

Follow Us

Twitter

YouTube

Simplify your license management

Smart Accounts give you full visibility of the Cisco software assets in your company. Now you can easily manage and control your licenses.

Smart Accounts are a new way to manage your software licenses. They provide your company with a central location where you can manage Cisco licenses across the entire organization. Smart Accounts are similar to online bank accounts. You can view, store, manage, and move your Cisco software assets to where they are needed.

Today, you can experience the benefits of Smart Accounts in many Cisco portals. These include the Cisco Smart Software Manager and Cisco Commerce (formerly CCW). They're available for Enterprise License Agreements (ELAs) and for traditional PAK licenses in the License Registration Portal.

In the future, Smart Accounts will be positioned as the one location where you will be able to manage all your Cisco subscriptions, contracts, hardware, and services.

Benefits

Cisco Smart Accounts offer a simple-to-use, centralized, and organized solution to license management.

Product information

Current list of Smart Licensing-enabled SKUs

Smart Licensing product roadmap

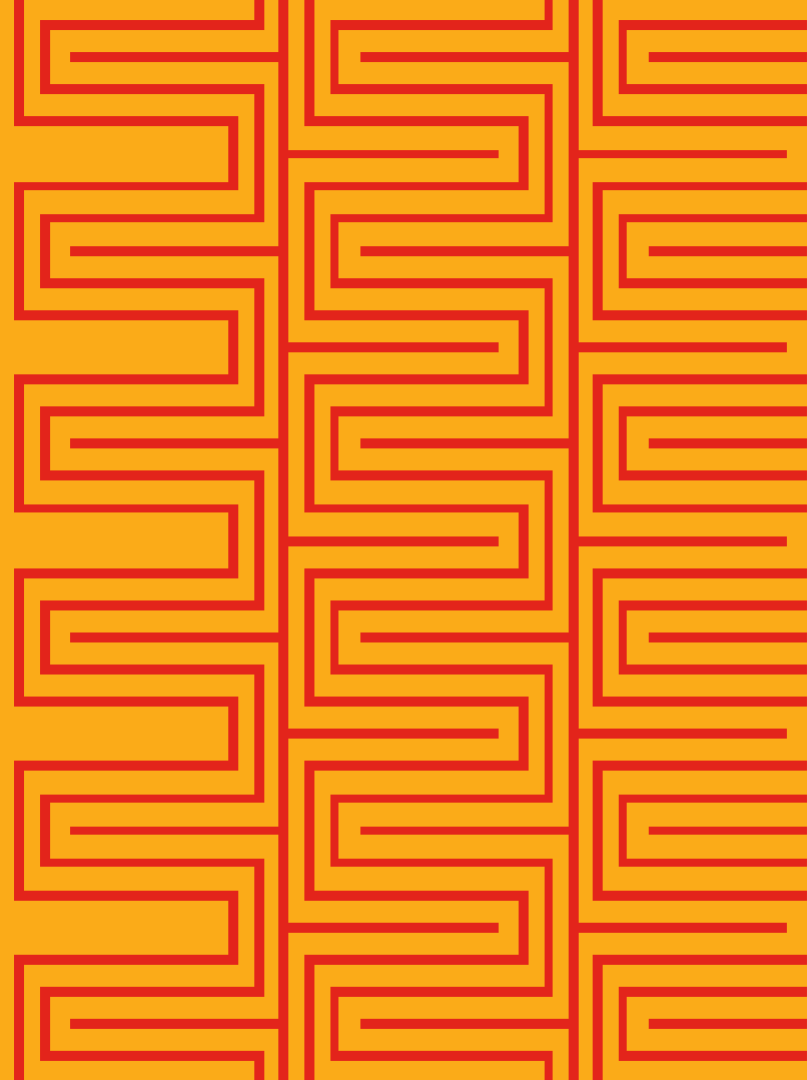


Smart Licensing-enabled product families

Projected Smart Enabled Product Release by Quarter – FY2019

Q2FY19 (Oct – Jan)	Q3FY19 (Jan – Apr)	Q4FY19 (Apr – Jul)	Q1FY20 (Jul – Oct)
CSG: • Operations Center (Nov) – Hybrid Data Center: • CCNDR (Dec) – Hybrid Enterprise: • Call 9900 Meet Gen (Dec) – Smart Only • WLC 5850 (Dec) – Smart Only • W5400 – Smart Only IoT: • IOT Field Network Director (Dec) – Hybrid Security: • ESX 5800 – Hybrid • SMA (Nov) – Hybrid • SGA (Dec) – Hybrid Service Provider: • NCS 580 (Dec) – Hybrid • NCS 580 (Dec) – Hybrid	Collaboration: • Cisco WebEx Meeting Server (CWMS) (Mar) – Smart Only • Cisco Unified Border Element (CUBE) (Mar) – Hybrid • Expressway (Feb) – Hybrid • Hosted Collaboration Solution (Mar)- API • Expressway (Feb) – Hybrid CSG: • Cloud Policy Platform (Mar) – Smart Only • CloudCenter User – Smart Only CSG: • Access Control Application (ACA) (Mar) – Smart Only IoT: • Cloud Policy Platform (Mar) – Smart Only Data Center: • Cisco Network Assurance Engine (NCE) – Hybrid • Cisco Telemetry Analytics (Mar) – TBD Enterprise: • ESX 5800 (Mar) – Hybrid • W5400, W5300, W5200 (Mar) – Smart Only • vManage (Mar) – Smart Only Security: • Cisco Ultra Cloud Platform (Mar) – TBD Service Provider: • CES User – Hybrid • Cisco Crosswork Situation Manager (Mar) – TBD	CSG: • OpenStack (Cisco VM) (Jun) – TBD CSG: • WAE (Jun) – TBD Security: • Cisco Sentinel Orchestrator (COO) (Jun) – TBD Service Provider: • Cisco Network Insights (Jun) – TBD • NCS 2000 (Jun) – TBD	CSG: • Prime Cable Provisioning (Aug) – TBD CSG: • CSM (Aug) – TBD IoT: • Cisco Viasat Dynamic Signage Director (Sep) – Smart Only

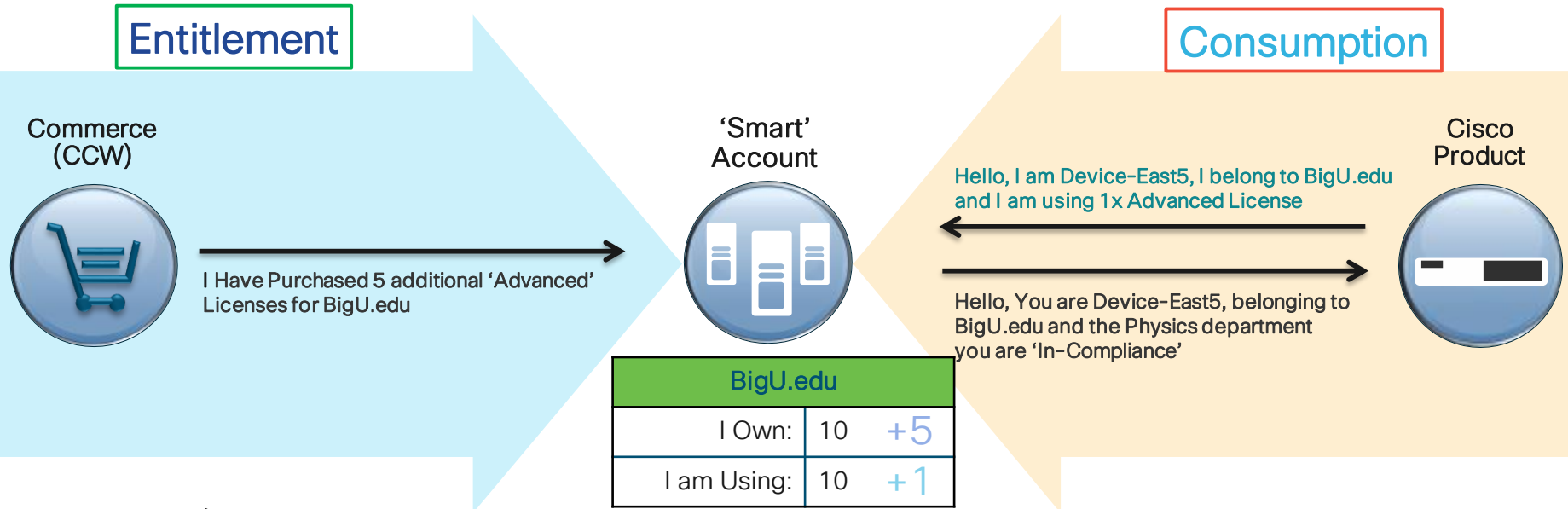
Cisco Unified Communications Manager 12.x Configuration & Administration



Recap: How Does Smart Software Licensing Work?

- Integrating Smart Licensing Enabled Products into Smart Licensing

Smart Licensing provides a Software Inventory Management System that provides Customers, Cisco and Selected Partners with information about Software Ownership and Software Utilization



Managing Smart Licensing

The basics for tracking entitlements and consumption for Smart Licensed-products

Call to Action

1

Activate Smart Account and set up Virtual Account structure
<https://software.cisco.com>

2

Per your strategy, Communicate relevant VA id to procurement stakeholders for **easy order fulfillment**

3

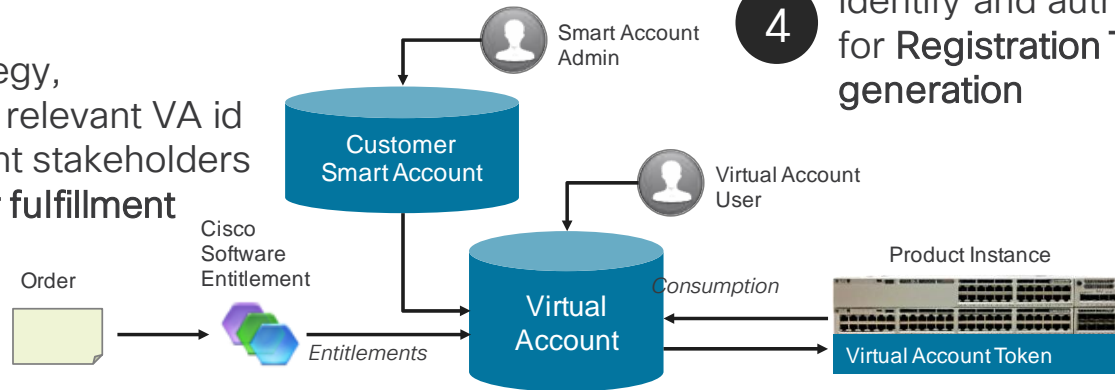
Deposit Smart Entitlement into Virtual Account

5

Register Product Instance into Smart Licensing and Track Entitlements/Consumption

4

Identify and authorize VA User for **Registration Token generation**



Smart Licensing in CUCM 12.x and above



- Smart Licensing as the default and only mode of license management
- No requirement or support for Prime License Manager (PLM) for CUCM 12.0
- No change in CUCM Licensing Model
- Flexible deployment options to balance ease of management and security
- Self Serve migration support to convert traditional entitlements to Smart Licensing Entitlements

Cisco Smart Software Licensing Management

Registration & License Authorization Status in Cisco CUCM and Unity Connection

Registration Status	Description
Unidentified/Unregistered	Smart licensing has been enabled, but product is not registered
Registered	Product has been registered with CSSM or satellite
Registration Expired	ID Token has not been renewed for 1 year Note: After 6 months, product will attempt to renew Certificate ID. After 1 year, Registration Status will go to “Registration Expired” and will attempt to enable Evaluation Mode

Smart Software Licensing Status

- Registration Status  [Unregistered](#)
- License Authorization Status  [Evaluation Mode](#) (15 Days, 7 Hours, 19 Minutes)
- Transport Settings Direct [View/Edit](#)

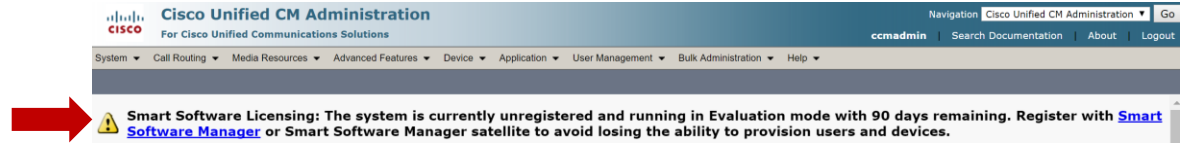
Cisco Smart Software Licensing Management

Registration & License Authorization Status in Cisco UCM and Unity Connection

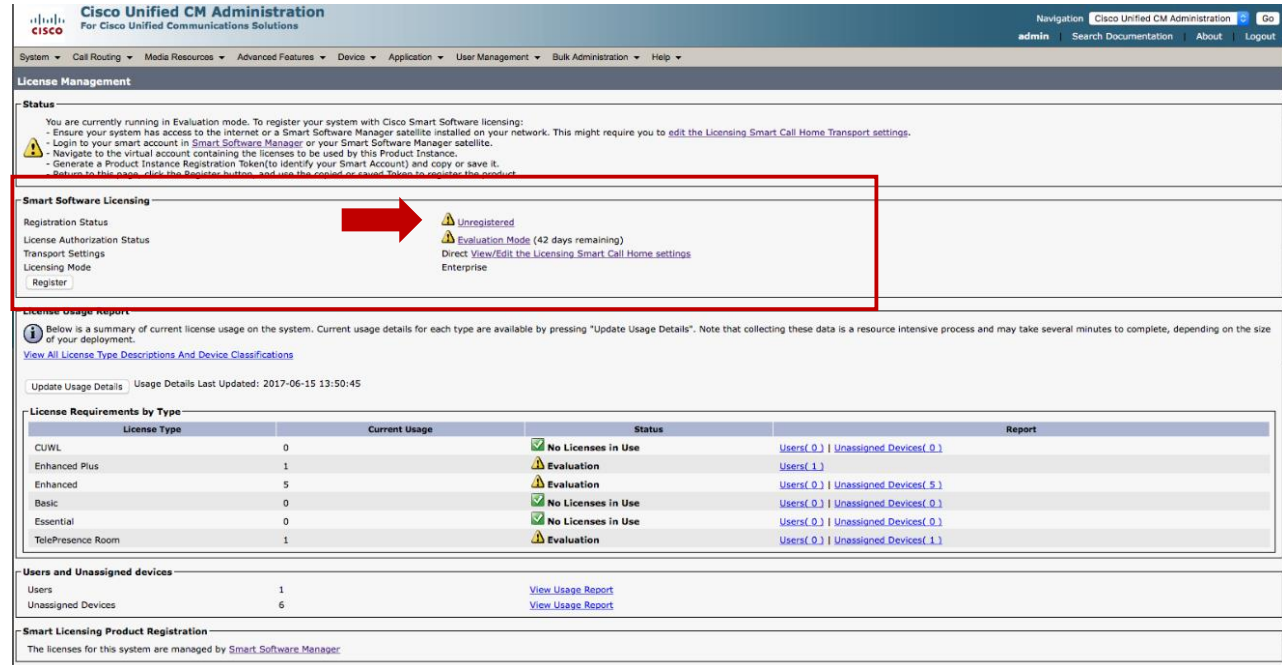
License Authorization Status	Description
No Licenses in Use	Smart licensing has been enabled, but no licenses are being consumed
Evaluation Mode	Product has not been registered with CSSM or satellite, but is consuming licenses
Evaluation Expired	Evaluation mode has reached 90 day limit. MACD of users will not be allowed
Authorized	Product is in compliance. Authorization lasts for 90 days. Every 6 Hours, the product will send a new entitlement authorization request to the CSSM to renew the authorization (CSSM requires authorization every 30 days)
Out of Compliance	Product does not have sufficient licenses in virtual account or virtual account is not authorized.
Authorization Expired	Product has not communicated with CSSM or satellite for 90 days. After 90 days overage, MACD will be stopped

CUCM : Evaluation mode

- Immediately after install, CUCM runs in Evaluation mode (90 days)
- “System Settings -> Licensing”
- Evaluation period starts only when CUCM begins to consume licenses
- Need to Register product with Cisco Smart Software Manager (CSSM) or satellite
- Enforcement mode after 90 days expiry (No MACD)



The screenshot shows the Cisco Unified CM Administration interface. A red arrow points to a warning message: "Smart Software Licensing: The system is currently unregistered and running in Evaluation mode with 90 days remaining. Register with Smart Software Manager or Smart Software Manager satellite to avoid losing the ability to provision users and devices."



The screenshot shows the License Management page in Cisco Unified CM Administration. A red box highlights the "Smart Software Licensing" section, which includes a "Register" button and a warning icon. A red arrow points from the warning icon to the "Unregistered" status.

Smart Software Licensing

Registration Status: Unregistered

License Authorization Status: Evaluation Mode (42 days remaining)

Transport Settings: Direct View/Edit the Licensing Smart Call Home settings

Licensing Mode: Enterprise

Register

License Usage Report

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 your deployment.

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

Update Usage Details | Usage Details Last Updated: 2017-06-15 13:50:45

License Type	Current Usage	Status	Report
CUWL	0	✓ No Licenses in Use	Users(0) Unassigned Devices(0)
Enhanced Plus	1	⚠ Evaluation	Users(1)
Enhanced	5	⚠ Evaluation	Users(0) Unassigned Devices(5)
Basic	0	✓ No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	0	✓ No Licenses in Use	Users(0) Unassigned Devices(0)
TelePresence Room	1	⚠ Evaluation	Users(0) Unassigned Devices(1)

Users and Unassigned devices

Users	1	View Usage Report
Unassigned Devices	6	View Usage Report

Smart Licensing Product Registration

The licenses for this system are managed by [Smart Software Manager](#)

CUCM : Register (Transport Setting)

- Choose mode of communication for registration and license communication
 - Direct – Product communicates directly with Cisco
 - Transport Gateway – proxy via Transport Gateway or Smart Software Manager satellite
 - HTTP/HTTPS Proxy – via intermediate HTTP or HTTPS proxy

The screenshot shows the Cisco Unified CM Administration web interface. The 'License Management' section is active, displaying the 'Status' and 'Smart Software Licensing' panels. A red arrow points to the 'Register' button in the 'Smart Software Licensing' panel. A modal window titled 'Configure how the product instance will communicate with Cisco' is open, showing three radio button options: 'Direct', 'Transport Gateway', and 'HTTP/HTTPS Proxy'. The 'Direct' option is selected. The 'Transport Gateway' and 'HTTP/HTTPS Proxy' options have input fields for URL and IP Address/Host Name, respectively. The 'Status' panel shows 'Unregistered' and 'Evaluation Mode (42 days remaining)'. The 'License Usage Report' table is visible below the modal window.

License Type	Current Usage	Status	Report
CUWL	0	No Licenses in Use	Users(0) Unassigned Devices(0)
Enhanced Plus	1	Evaluation	Users(1)
Enhanced	5	Evaluation	Users(0) Unassigned Devices(5)
Basic	0	No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	0	No Licenses in Use	Users(0) Unassigned Devices(0)
TelePresence Room	1	Evaluation	Users(0) Unassigned Devices(1)

CUCM : Register Product (with Token)

- Copy the Registration Token (created in CSSM from the Virtual Account to which Product will register)
- Click Register on the License Manager UI
- Paste the Token and complete registration
- Product, once registered using token id, will be visible under Product Instances tab of respective Virtual Account on CSSM

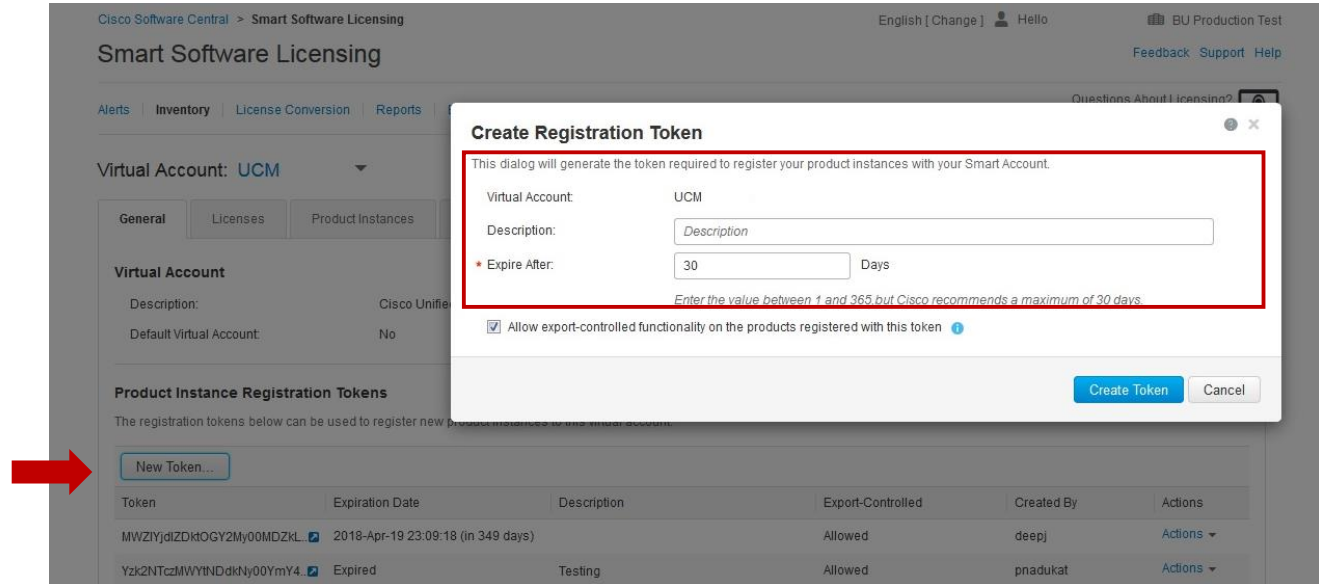
The screenshot shows the Cisco Unified CM Administration interface. The main page is titled "License Management" and contains sections for "Smart Software Licensing" and "License Usage Report". A red arrow points to the "Register" button in the "Smart Software Licensing" section. A modal dialog box titled "Smart Software Licensing Product Registration" is open, showing a "Status: Ready" message and a "Product Instance Registration Token" field. The token field is highlighted with a red box. Below the token field is a checkbox labeled "Reregister this product instance if it is already registered". The dialog box also has "Register" and "Close" buttons.

Status	Report
Users(0) Unassigned Devices(0)	
Users(1)	
Users(0) Unassigned Devices(5)	
Users(0) Unassigned Devices(0)	
Users(0) Unassigned Devices(0)	
Users(0) Unassigned Devices(1)	

Users and Unassigned devices	
Users	1
Unassigned Devices	6

CSSM : Create Token

- Login into Cisco Smart Software Manager (CSSM)
- Create Registration Token from the Virtual Account to which Product will register
- Enter Description and Expire After (in days)
 - 30 days (default and recommended)
 - Minimum: 1 day
 - Maximum: 365 days



The screenshot displays the Cisco Smart Software Licensing interface. A modal dialog titled "Create Registration Token" is open, showing the following fields and options:

- Virtual Account: UCM
- Description:
- Expire After: Days
- Allow export-controlled functionality on the products registered with this token:

Below the dialog, a table lists existing registration tokens:

Token	Expiration Date	Description	Export-Controlled	Created By	Actions
MWZiYdIzDktOGY2My00MDZkL	2018-Apr-19 23:09:18 (in 349 days)		Allowed	deepj	Actions
Yzk2NTczMWYiNDdkNy00YmY4	Expired	Testing	Allowed	pnadukat	Actions

CUCM : Register Product (with invalid Token)

- Error thrown when registering with an invalid or expired token

The screenshot displays the Cisco Unified CM Administration interface. A modal dialog box titled "Smart Software Licensing Product Registration" is open, showing an error message: "The Product Instance Registration Token you entered is invalid or has expired. Ensure that you have pasted the entire token and that the token has not expired." The error message is accompanied by a red 'X' icon. Below the error message, there is a text input field containing "Cisco Test" and a checkbox labeled "Reregister this product instance if it is already registered". The "Register" button is highlighted with a red arrow.

The background interface shows the "License Management" section. The "Status" section indicates that the system is in Evaluation mode and provides instructions for registration. The "Smart Software Licensing Product Registration" section includes a "Register" button. The "License Usage Report" section shows a summary of usage details. The "License Requirements by T" section lists various license types. The "Users and Unassigned devices" section shows a table with the following data:

Category	Count	Action
Users	1	View Usage Report
Unassigned Devices	6	View Usage Report

CUCM : Register Product (with Token)

- Use Token to Register Product in CUCM Administration License Page
- Click Register on the License Manager UI
- Paste the Token and complete registration
- Product, once registered using token id, will be visible under Product Instances tab of respective Virtual Account on CSSM

The screenshot shows the Cisco Unified CM Administration interface. The main page is titled "License Management" and displays the "Smart Software Licensing" section. A modal dialog box titled "Smart Software Licensing Product Registration" is open, prompting the user to paste a "Product Instance Registration Token" into a text area. A red arrow points to the "Register" button in the dialog. The background page shows a table of license usage details and a table of users and unassigned devices.

Status	Report
Use	Users(0) Unassigned Devices(0)
Use	Users(1)
Use	Users(0) Unassigned Devices(5)
Use	Users(0) Unassigned Devices(0)
Use	Users(0) Unassigned Devices(0)
Use	Users(0) Unassigned Devices(1)

Users and Unassigned devices		
Users	1	View Usage Report
Unassigned Devices	6	View Usage Report

CUCM: License Management (Registered, Authorized)

- Successful registration will change Status to Registered
- Licenses Authorized (In Compliance)
- CUCM synchronizes every 6 hours. Manual trigger can be accomplished using “Update Usage Details”

Cisco Unified CM Administration
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration Go
admin | Search Documentation | About | Logout

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

License Management

Smart Software Licensing

Registration Status: **Registered**

License Authorization Status: **Authorized** (Thursday, June 1, 2017 10:24:26 AM PDT)
BU Production Test
UCM-Deepthi
Direct [View/Edit the Licensing Smart Call Home settings](#)
Enterprise

Smart Account
Virtual Account
Transport Settings
Licensing Mode

Actions
Renew Authorization Now
Renew Registration Now
Reregister
Deregister

License Usage Report

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

Usage Details Last Updated: 2017-06-01 10:23:35

License Requirements by Type

License Type	Current Usage	Status	Report
CUWL	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)
Enhanced Plus	1	<input checked="" type="checkbox"/> No Licenses in Use	Users(1)
Enhanced	5	<input checked="" type="checkbox"/> Authorized	Users(0) Unassigned Devices(5)
Basic	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)
Essential	0	<input checked="" type="checkbox"/> No Licenses in Use	Users(0) Unassigned Devices(0)
TelePresence Room	1	<input checked="" type="checkbox"/> Authorized	Users(0) Unassigned Devices(1)

Users and Unassigned devices

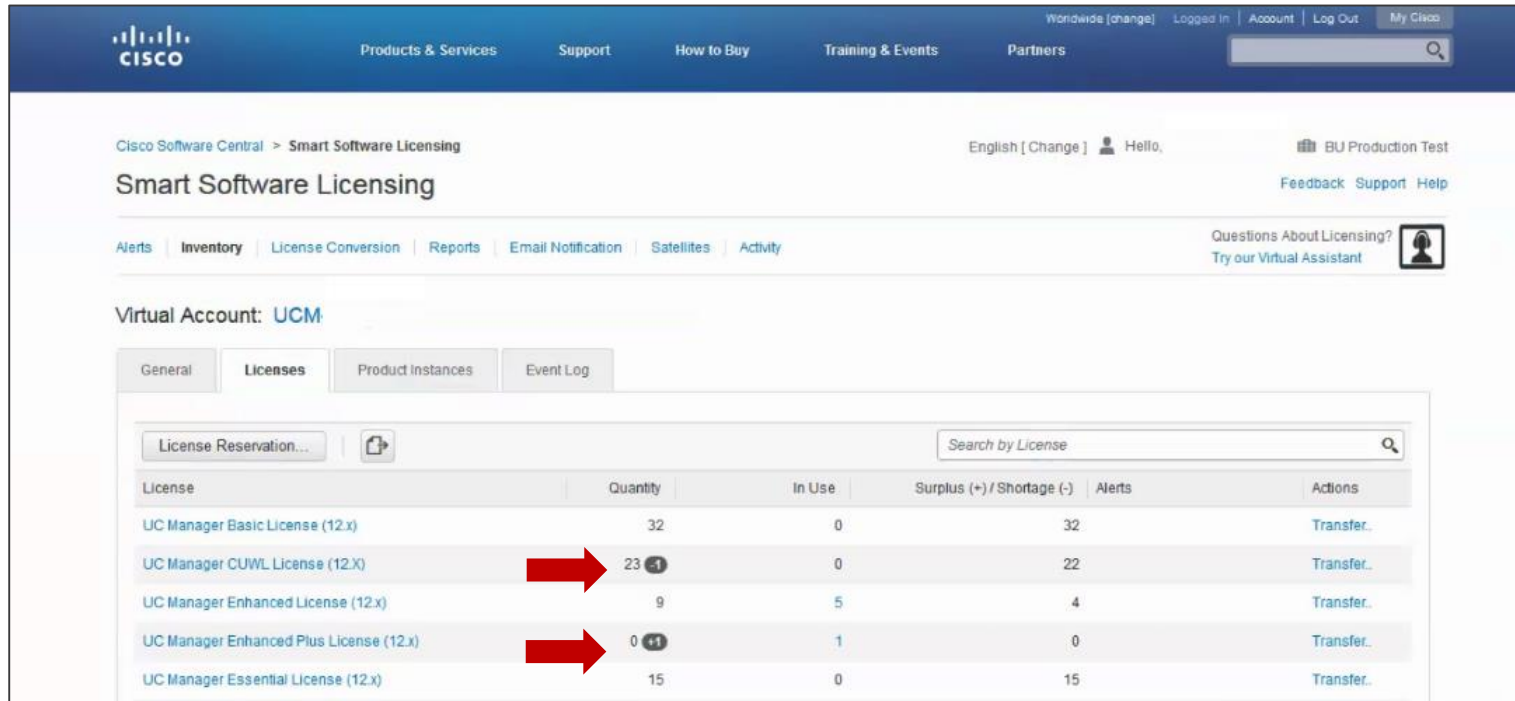
Users	1	View Usage Report
Unassigned Devices	6	View Usage Report

Smart Licensing Product Registration

The licenses for this system are managed by [Smart Software Manager](#)

CSSM : License Management (In Compliance)

- Shows registered Product Instances
- License Usage / Borrowing

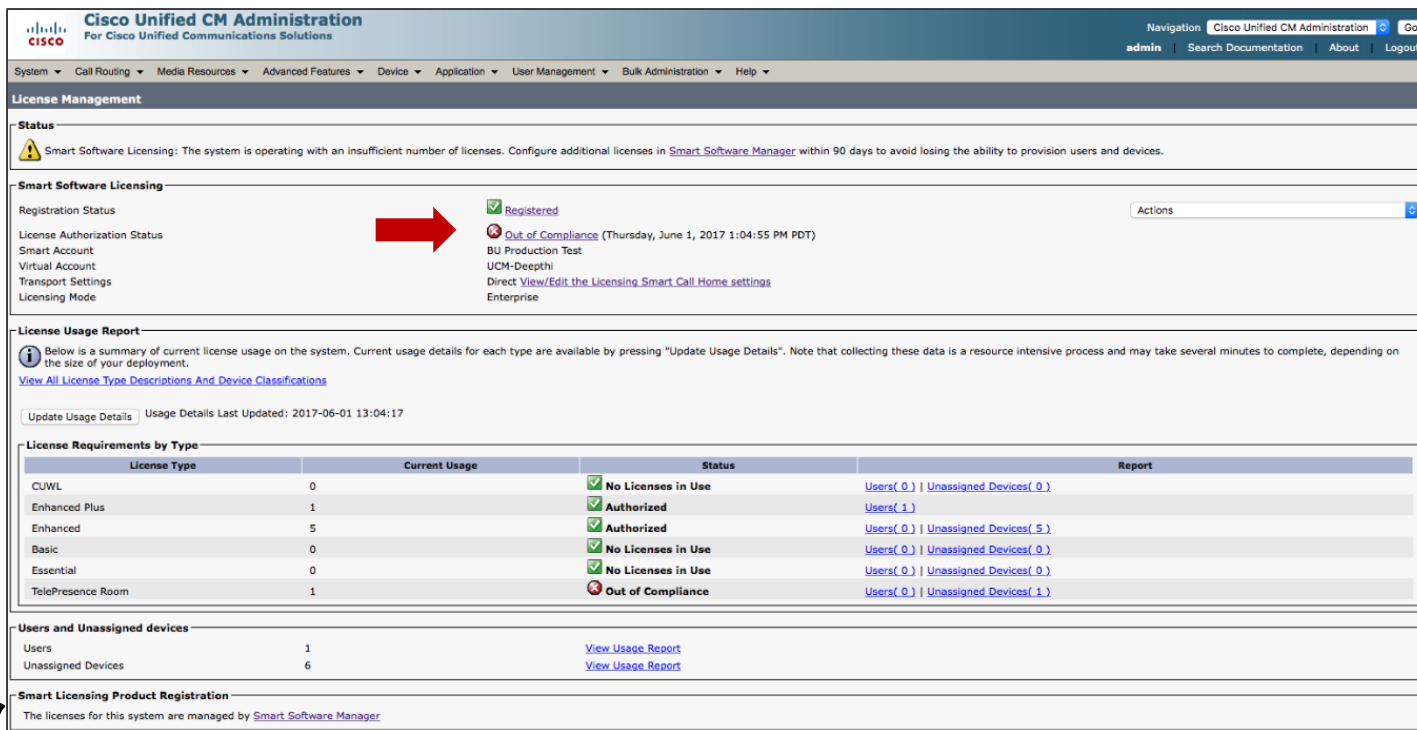


The screenshot displays the Cisco Smart Software Licensing interface. At the top, there is a navigation bar with the Cisco logo and links for Products & Services, Support, How to Buy, Training & Events, and Partners. Below this, the page title is "Smart Software Licensing" and the user is identified as "BU Production Test". The interface includes a search bar and a "Virtual Account: UCM" section. The "Licenses" tab is selected, showing a table of license details. Two red arrows point to the "Quantity" column, highlighting the values 23 and 0, which are associated with "UC Manager CUWL License (12.X)" and "UC Manager Enhanced Plus License (12.x)" respectively. The table also shows "In Use", "Surplus (+) / Shortage (-)", "Alerts", and "Actions" for each license type.

License	Quantity	In Use	Surplus (+) / Shortage (-)	Alerts	Actions
UC Manager Basic License (12.x)	32	0		32	Transfer..
UC Manager CUWL License (12.X)	23	0		22	Transfer..
UC Manager Enhanced License (12.x)	9	5		4	Transfer..
UC Manager Enhanced Plus License (12.x)	0	1		0	Transfer..
UC Manager Essential License (12.x)	15	0		15	Transfer..

CUCM : License Management (Out of Compliance)

- Using more Licenses than entitled for
- Overage Period of 90 days for bringing back system into compliance
- MACD stops after expiry of overage period



The screenshot shows the Cisco Unified CM Administration interface. At the top, there's a navigation bar with 'Cisco Unified CM Administration' and a 'Go' button. Below that, a menu bar includes 'System', 'Call Routing', 'Media Resources', 'Advanced Features', 'Device', 'Application', 'User Management', 'Bulk Administration', and 'Help'. The main content area is titled 'License Management' and contains several sections:

- Status:** A warning icon indicates 'Smart Software Licensing: The system is operating with an insufficient number of licenses. Configure additional licenses in [Smart Software Manager](#) within 90 days to avoid losing the ability to provision users and devices.'
- Smart Software Licensing:** This section shows the registration status as 'Registered' with a green checkmark. A red arrow points to this status. Below it, the license authorization status is 'Out of Compliance (Thursday, June 1, 2017 1:04:55 PM PDT)'. Other details include 'BU Production Test', 'UCM-Depth1', and a link to 'View/Edit the Licensing Smart Call Home settings'.
- License Usage Report:** A summary of current license usage is provided, with a link to 'View All License Type Descriptions And Device Classifications'. The report shows 'Usage Details Last Updated: 2017-06-01 13:04:17'.
- License Requirements by Type:** A table with columns for License Type, Current Usage, Status, and Report. The table shows that 'TelePresence Room' is 'Out of Compliance'.
- Users and Unassigned devices:** A summary showing 1 user and 6 unassigned devices, with links to 'View Usage Report'.
- Smart Licensing Product Registration:** A note stating 'The licenses for this system are managed by [Smart Software Manager](#)'.

CSSM : License Management (Out of Compliance)

- Shows any surplus or additional licenses needed

The screenshot displays the Cisco Smart Software Licensing interface for a Virtual Account named UCM. The interface includes a navigation bar with options like 'Products & Services', 'Support', and 'How to Buy'. Below the navigation, there are tabs for 'Alerts', 'Inventory', 'License Conversion', 'Reports', 'Email Notification', 'Satellites', and 'Activity'. The 'Licenses' tab is selected, showing a table of license details.

License	Quantity	In Use	Surplus (+) / Shortage (-)	Alerts	Actions
UC Manager Basic License (12.x)	32	0	32		Transfer..
UC Manager CUWL License (12.X)	23	0	22		Transfer..
UC Manager Enhanced License (12.x)	9	5	4		Transfer..
UC Manager Enhanced Plus License (12.x)	0	1	0		Transfer..
UC Manager Essential License (12.x)	15	0	15		Transfer..
UC Manager Telepresence Room License (12.x)	0	1	-1	Insufficient Licenses	Transfer..

A red arrow points to the row for 'UC Manager Telepresence Room License (12.x)', which shows a shortage of 1 license and an alert for 'Insufficient Licenses'. The interface also includes a search bar and a 'Showing All 6 Records' indicator.

Cisco Smart Software Licensing Management

CUCM License Compliance and Enforcement

- Evaluation
 - CUCM 12.0 runs in full capacity during the 90 day Evaluation Period
 - CUCM 12.0 will disallow MACD (enforcement mode) if the Cluster is not registered to CSSM during the evaluation period (90 days)
- Registered and Authorized
 - CUCM 12.0 is in compliance for License Usage
- Out of Compliance
 - CUCM 12.0 Licenses exceed the CUCM Licenses available in CSSM (virtual account)
 - After 90 days, MACD will be disallowed (enforcement mode)
- Authorization Expired
 - Authorization has expired (CUCM has not communicated with CSSM or satellite for 90 days)
 - CUCM will start an additional Overage Period of 90 days. If OOC, overage period is adjusted
 - CUCM 12.0 will disallow MACD (enforcement mode) after expiry of Overage period.

License Management on Subscriber Node

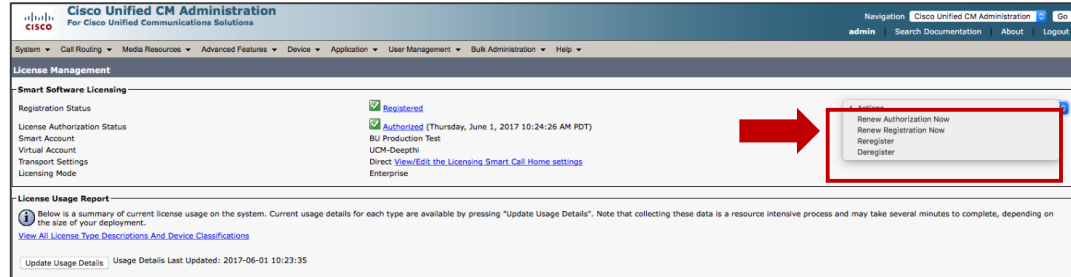
- Configuration or change in Settings of Smart Licensing is only allowed on Publisher
- Licensing page is visible on Subscriber
 - License and registration details are available
 - But no configuration of Smart Licensing is allowed on Subscriber
- Smart Licensing configuration CLI commands are not allowed on Subscriber

The screenshot displays the Cisco Unified CM Administration interface. A modal dialog box titled 'Transport Settings - Mozilla Firefox' is open, showing a message: 'Transport settings can be modified only from publisher node. Please connect to the publisher and modify the transport settings there.' A red arrow points to an information icon next to this message. Below the message, there are configuration options for how the product instance will communicate with Cisco, including radio buttons for 'Direct', 'Transport Gateway', and 'HTTP/HTTPS Proxy', along with input fields for 'URL', 'IP Address/Host Name', and 'Port'. The background shows the 'License Management' page with a table of license status.

	Status
Registered	✓ No Licenses in Use
Authorized (Saturday, May 27, 2017 1:35:17 AM IST)	✓ No Licenses in Use
BU Production Test	✓ Authorized
UCM-Deepthi	✓ No Licenses in Use
Direct View/Edit the Licensing Smart Call Home settings	✓ No Licenses in Use
Enterprise	✓ No Licenses in Use

Essential	0
TelePresence Room	0

CUCM : Renew Authorization, Renew Registration, Reregister, Deregister



Additional Operations	Description and Need
Renew Authorization	Perform this step to manually renew the License Authorization Status. The license authorization is renewed automatically every 30 days.
Renew Registration	Perform this step to renew the registration information manually. The initial registration is valid for one year. Renewal of registration is automatically done every six months provided the product is connected to Cisco Smart Software Manager or Cisco Smart Software Manager satellite
Deregister	Perform this step to disconnect the Cisco Unified Communications Manager cluster from Cisco Smart Software Manager or Cisco Smart Software Manager satellite. The product reverts to evaluation mode as long as the evaluation period is not expired. All license entitlements used for the product are immediately released back to the virtual account and are available for other product instances to use it
Re-register	Perform this step to Reregister Cisco Unified Communications Manager with Cisco Smart Software Manager or Cisco Smart Software Manager satellite. Product may migrate to a different virtual account by reregistering with token from a new virtual account

CUCM : Smart Licensing Alert (RTMT)

Alert	Type	Description	Troubleshooting
SmartLicenseInEval	Warning	The system is operating in Evaluation Mode that will expire soon.	Register the system with Cisco Smart Software Manager or satellite.
SmartLicenseInOverage OutOfCompliance	Alert	The system is operating with an insufficient number of licenses.	Configure additional licenses in Cisco Smart Software Manager
SmartLicenseNoProvision OutOfCompliance	Critical	The system is operating with an insufficient number of licenses.	Configure additional licenses in Cisco Smart Software Manager in order to restore the ability to provision users and devices
SmartLicenseNoProvision EvalExpired	Critical	The license evaluation period has expired and Product in enforced mode	Register the system with Cisco Smart Software Manager or satellite in order to restore the ability to provision users and devices
SmartLicenseInOverage AuthorizationExpired	Alert	The license authorization has expired	Please check the network connection and renew the license authorization to avoid losing the ability to provision users and devices
SmartLicenseNoProvision AuthorizationExpired	Critical	The license authorization has expired and product in enforced mode	Please check the network connection and renew the license authorization in order to restore the ability to provision users and devices

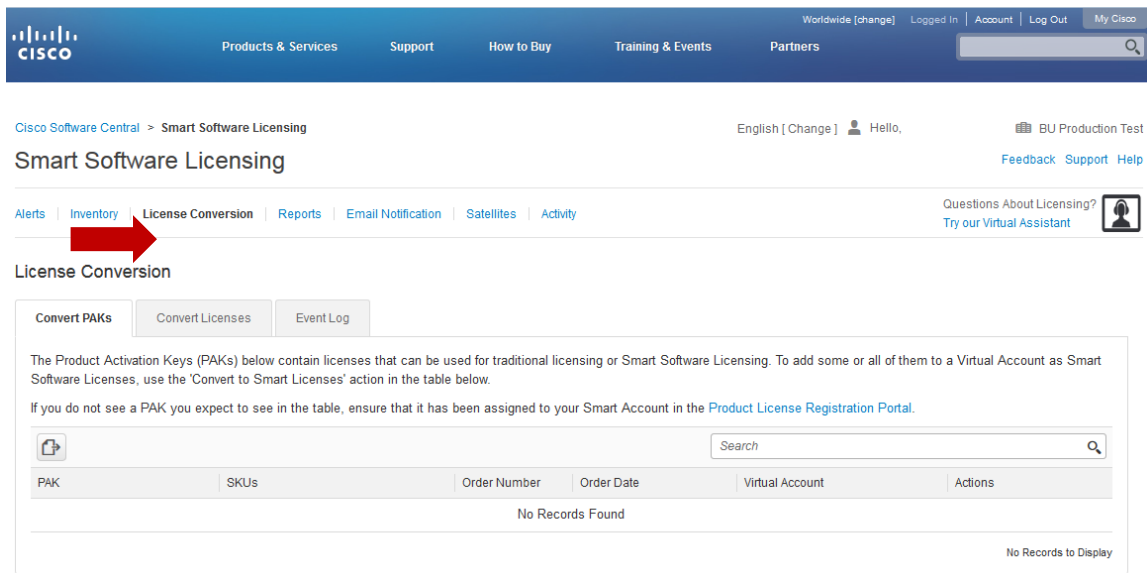
CUCM : Smart Licensing Alert (RTMT)

Alert	Type	Description	Troubleshooting
SmartLicenseRegistrationExpired	Error	The license registration has expired and the system is unregistered with Cisco Smart Software Manager or satellite.	Please check the network connectivity to Cisco Smart Software manager or satellite. Also verify your system clock is correct and then register the system with Cisco Smart Software Manager or satellite. If still persists , raise TAC case.
SmartLicenseCommunicationError	Error	The system failed to communicate with Cisco Smart Software Manager or satellite.	Please check the network connectivity to Cisco Smart Software manager or satellite
SmartLicenseAuthorizationExpiringSoon	Warning	The license authorization period will expire soon.	Please initiate an authorization renewal
SmartLicenseRenewAuthFailed	Error	The license authorization renewal failed	Please retry an authorization renewal, if problem persists raise a TAC case.
SmartLicenseRenewRegistrationFailed	Error	The license registration renewal failed	Please retry a registration renewal, if problem persists raise a TAC case
SmartLicenseRegistrationExpiringSoon	Warning	The registration with Cisco Smart Software Manager or satellite will expire soon	Please initiate a registration renewal to avoid losing ability to provision users or devices

Migrating/Upgrading from Pre-12.x Licensing to Smart Licensing

Migrating Classic Licenses to Smart with active SWSS

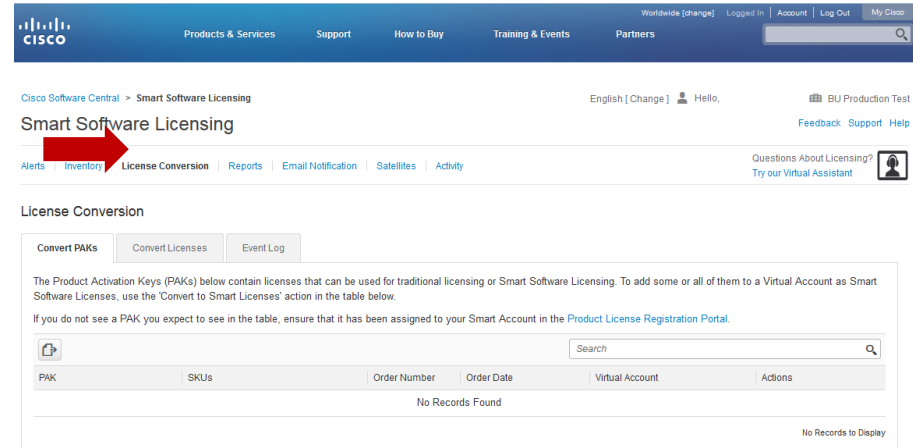
- Migration to a Smart-License enabled version available only with an active SWSS contract
- Can be performed on [CSSM](#) or [LRP](#) (License Registration Portal)
- Self serve conversion from 9.x, 10.x, 11.x → 12.x



The screenshot shows the Cisco Software Central interface. At the top, there is a navigation bar with the Cisco logo and links for Products & Services, Support, How to Buy, Training & Events, and Partners. Below this, the main content area is titled "Smart Software Licensing" and includes a breadcrumb trail: "Cisco Software Central > Smart Software Licensing". A red arrow points to the "License Conversion" tab in the navigation menu. The "License Conversion" section contains three tabs: "Convert PAKs", "Convert Licenses", and "Event Log". Below the tabs, there is a text block explaining that Product Activation Keys (PAKs) can be used for traditional licensing or Smart Software Licensing. A search bar is present, and below it is a table with columns for PAK, SKUs, Order Number, Order Date, Virtual Account, and Actions. The table currently displays "No Records Found".

Migrating Classic Licenses to Smart with active SWSS

- Migration Models:
 - **PAK based** – For already fulfilled, partially fulfilled and unfulfilled PAKs.
 - **Device based** – To convert the PLM based licenses to smart Entitlements
- Customers need to first assign their classic PAK or PLM to the Smart Account and Virtual Account
- Pre 9.x → 12.x conversion is not supported via self-serve in LRP or CSSM. This is done via GLO



The screenshot displays the Cisco Smart Software Licensing (SWSS) web interface. At the top, the Cisco logo is on the left, and navigation links for 'Products & Services', 'Support', 'How to Buy', 'Training & Events', and 'Partners' are on the right. Below the navigation bar, the page title is 'Smart Software Licensing'. A red arrow points to the 'License Conversion' tab in the navigation menu. The main content area is titled 'License Conversion' and contains three tabs: 'Convert PAKs', 'Convert Licenses', and 'Event Log'. Below the tabs, there is a paragraph of text explaining that Product Activation Keys (PAKs) can be used for traditional licensing or Smart Software Licensing and can be converted to Smart Software Licenses. A search bar is present above a table. The table has columns for 'PAK', 'SKUs', 'Order Number', 'Order Date', 'Virtual Account', and 'Actions'. The table currently displays 'No Records Found'.

PAK based Migration (LRP) : Assign to Smart Account

- Consolidate unassigned PAKs to a Smart Account and Virtual Account for visibility
- Login to the Traditional Licensing Portal at <http://tools.cisco.com/SWIFT/LicensingUI/Home>
- Locate the PAKs to be migrated. Right click and select Assign to Smart Account and Virtual Account

Worldwide [change] Welcome, Krishna Ramamurthy | Account | Log Out | My Cisco

Products & Services Support How to Buy Training & Events Partners Employees

Tools & Resources Hello Help Settings

Product License Registration

Show: All Licenses for

PAKs or Tokens | Licenses | Devices | Transactions History

Get Licenses ▾ Add New PAKs/Tokens... Smart Accounts ▾ Manage Paks ▾ Show Filters

<input type="checkbox"/>	PAK/Token	Smart Account	Order Number	Product	Status	Licenses Used	Available
<input type="checkbox"/>	FXPAK002C72 Family: Cisco Unified C...		SalesOrder	UCM 9X/10X/11X PAK SKU : UCM-PAK	Unfulfilled	0	1
				UC Manager Essential 11.x License SKU : LIC-CUCM-11X-ESS	Unfulfilled	0	2
				UC Manager Enhanced 11.x License SKU : LIC-CUCM-11X... +2	Unfulfilled	0	2
<input type="checkbox"/>	FXPAK7856AF Family: 1861 ISR	TEST LRP EODB3 Test... SECELA	101025235	SKU : 1861_TEST12	Unfulfilled	0	1
				1861 CME/SRST, CUE, Ph. Lic upg fro.. SKU : SL1861-UC-15U	Unfulfilled	0	1
<input type="checkbox"/>	FXPAK00DFE6	TEST LRP EODB3 Test...					

PAK based Migration (LRP) : Assign SA and VA

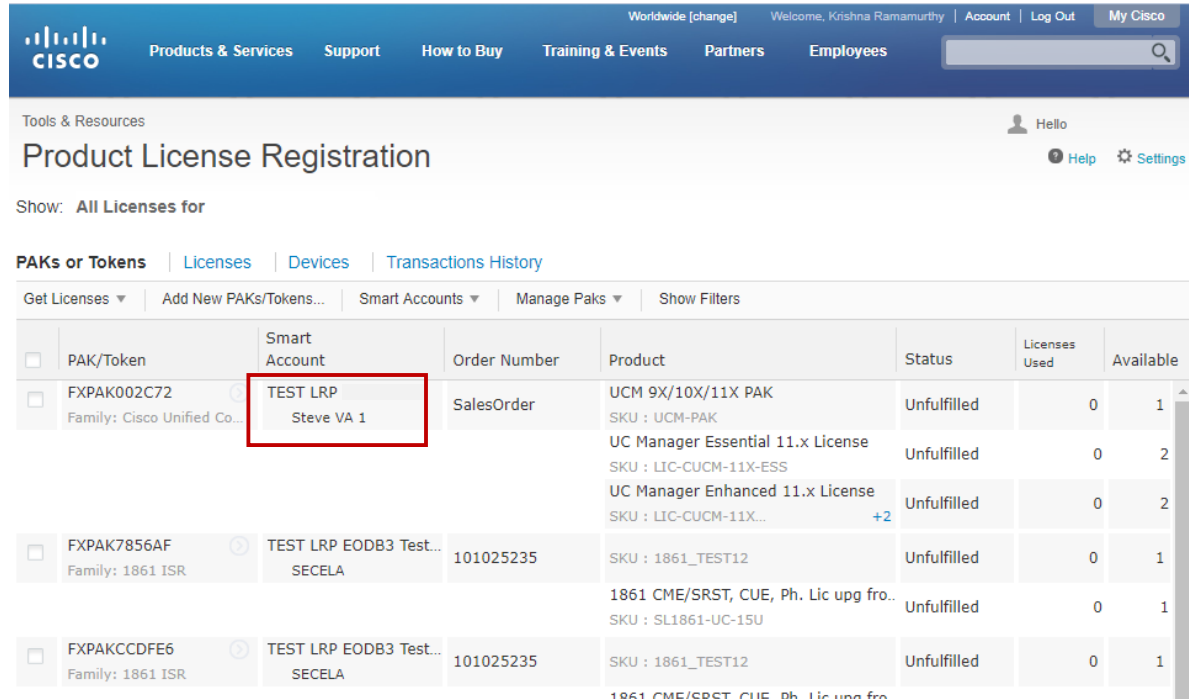
- Select the Smart Account and Virtual Account to which the PAK will be assigned

The screenshot displays the Cisco Product License Registration web interface. At the top, there is a navigation bar with the Cisco logo and various menu items like 'Products & Services', 'Support', 'How to Buy', 'Training & Events', 'Partners', and 'Employees'. Below this, the page title is 'Product License Registration'. A user is logged in as 'Hello'. The main content area shows a table of licenses with columns for 'PAK/Token', 'Smart Account', 'Licenses Used', and 'Available'. A modal dialog box titled 'Assign to Smart/Virtual Accounts' is open, showing the selected PAK/Token as 'FXPAK002C72'. The dialog has two dropdown menus: 'Smart Account' set to 'TEST LRP' and 'Virtual Account' set to 'Steve VA 1'. A red arrow points to the 'Smart Account' dropdown. At the bottom of the dialog are 'Cancel' and 'Assign' buttons. The background table shows several license entries, including 'FXPAK002C72' and 'FXPAK7856AF'.

PAK/Token	Smart Account	Licenses Used	Available
FXPAK002C72 Family: Cisco Unified Co...		0	1
FXPAK002C72 Family: Cisco Unified Co...		0	2
FXPAK002C72 Family: Cisco Unified Co...		0	2
FXPAK7856AF Family: 1861 ISR	TES	0	1
FXPAK7856AF Family: 1861 ISR	TES	0	1
FXPAKCCDFE6 Family: 1861 ISR	TES	0	1
FXPAKCCDFE6 Family: 1861 ISR	TES	0	1
1861 CME/SRST, CUE, Ph. Lic upg fro..	Unfulfilled	0	1

PAK based Migration (LRP) : Classic PAK assigned

- Classic PAKs will show assigned Smart Account for full visibility

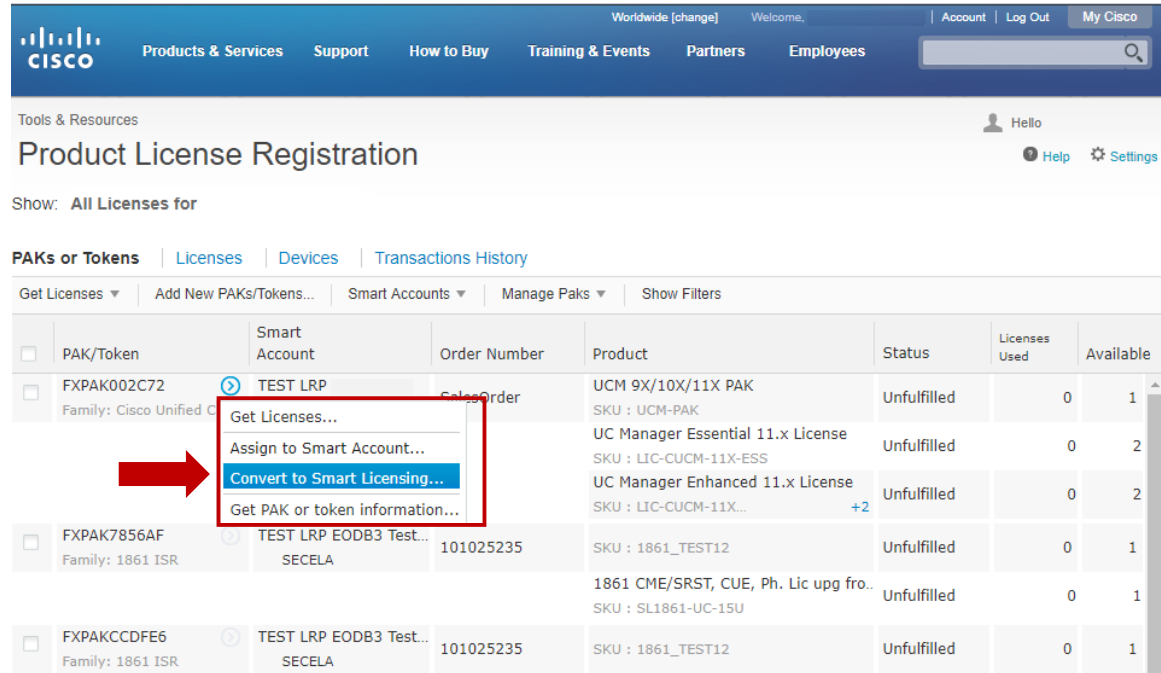


The screenshot shows the Cisco Product License Registration page. The table below lists licenses with columns for PAK/Token, Smart Account, Order Number, Product, Status, Licenses Used, and Available. A red box highlights the Smart Account 'TEST LRP Steve VA 1' for the license with PAK FXPAK002C72.

<input type="checkbox"/>	PAK/Token	Smart Account	Order Number	Product	Status	Licenses Used	Available
<input type="checkbox"/>	FXPAK002C72 Family: Cisco Unified Co...	TEST LRP Steve VA 1	SalesOrder	UCM 9X/10X/11X PAK SKU : UCM-PAK UC Manager Essential 11.x License SKU : LIC-CUCM-11X-ESS UC Manager Enhanced 11.x License SKU : LIC-CUCM-11X... +2	Unfulfilled	0	1
<input type="checkbox"/>	FXPAK7856AF Family: 1861 ISR	TEST LRP EODB3 Test... SECELA	101025235	SKU : 1861_TEST12 1861 CME/SRST, CUE, Ph. Lic upg fro... SKU : SL1861-UC-15U	Unfulfilled	0	1
<input type="checkbox"/>	FXPAKCCDFE6 Family: 1861 ISR	TEST LRP EODB3 Test... SECELA	101025235	SKU : 1861_TEST12 1861 CME/SRST, CUE, Ph. Lic upg fro...	Unfulfilled	0	1

PAK based Migration (LRP) : License Conversion

- Select the PAK which needs to be converted to smart entitlement.
- From the PAK context option, select “Convert to Smart Licensing”



The screenshot shows the Cisco Product License Registration interface. The top navigation bar includes the Cisco logo, navigation links (Products & Services, Support, How to Buy, Training & Events, Partners, Employees), and user options (Worldwide [change], Welcome, Account, Log Out, My Cisco). Below the navigation bar, the page title is "Product License Registration" with a user profile icon and "Hello" text, and "Help" and "Settings" icons. The main content area shows "Tools & Resources" and "Show: All Licenses for". There are tabs for "PAKs or Tokens", "Licenses", "Devices", and "Transactions History". Below the tabs are buttons for "Get Licenses", "Add New PAKs/Tokens...", "Smart Accounts", "Manage Paks", and "Show Filters". A table displays license information with columns: PAK/Token, Smart Account, Order Number, Product, Status, Licenses Used, and Available. The first row is selected, and a context menu is open over it, showing options: "Get Licenses...", "Assign to Smart Account...", "Convert to Smart Licensing..." (highlighted in blue), and "Get PAK or token information...". A red arrow points to the "Convert to Smart Licensing..." option.

PAK/Token	Smart Account	Order Number	Product	Status	Licenses Used	Available
FXPAK002C72 Family: Cisco Unified C...	TEST LRP	101025235	UCM 9X/10X/11X PAK SKU : UCM-PAK	Unfulfilled	0	1
			UC Manager Essential 11.x License SKU : LIC-CUCM-11X-ESS	Unfulfilled	0	2
			UC Manager Enhanced 11.x License SKU : LIC-CUCM-11X... +2	Unfulfilled	0	2
FXPAK7856AF Family: 1861 ISR	TEST LRP EODB3 Test... SECELA	101025235	SKU : 1861_TEST12	Unfulfilled	0	1
			1861 CME/SRST, CUE, Ph. Lic upg fro.. SKU : SL1861-UC-15U	Unfulfilled	0	1
FXPAKCCDFE6 Family: 1861 ISR	TEST LRP EODB3 Test... SECELA	101025235	SKU : 1861_TEST12	Unfulfilled	0	1

PAK based Migration (LRP) : Review and Submit

- Select SKUs under PAK and quantity of Licenses to be converted and Submit
- PLM Licenses which are partially converted will need new PLM License file for managing the remaining Classic Licenses :
 - PLM under e-fulfillment mode will receive new License file automatically
 - PLM under manual fulfillment will need to download and manually upload new License file in PLM

Convert to Smart Entitlements ✕

i * Once this PAK has been fully converted it cannot be used for future transactions.

* Smart Account: TEST LRP

* Virtual Account: DEFAULT

PAK/SKU	Product Family	Quantity Available	Quantity to Convert	Smart Account
▼ PAK:FXPAK002C72	Cisco Unified Communications			▶ TEST LRP
LIC-CUCM-11X-ESS		2	<input type="text" value="2"/>	
LIC-CUCM-11X-ENH		2	<input type="text" value="2"/>	
LIC-CUCM-11X-ENHP		2	<input type="text" value="2"/>	
LIC-CUCM-11X-BAS		2	<input type="text" value="2"/>	

PAK based Migration (LRP) : Confirmation message

- Licenses are converted to smart entitlements, Success message is shown.
- Entitlements available on CSSM under selected Smart and Virtual Account.

The screenshot shows a web interface titled "License Registration" with a modal dialog box in the foreground. The dialog box is titled "Convert to Smart Entitlements" and contains a green checkmark icon followed by the text: "The selected features have been successfully converted to Smart Entitlements. Use this transaction ID to view status on the 'Manage > Transactions History'. Transaction Id: TRXREQTIXEZZED". Below this, there is a link that says "Please provide feedback... Let Cisco know how to improve this experience." and a "Close" button.

The background interface shows a table with the following columns: PAK/SKU, Product Family, Quantity Available, Quantity to Convert, and Smart Account. The table contains the following data:

PAK/SKU	Product Family	Quantity Available	Quantity to Convert	Smart Account
▼ PAK:FXPAK002C72	Cisco Unified Communications			▶ TEST LRP COMCAST
LIC-CUCM-11X-ESS		2	<input type="text" value="2"/>	
LIC-CUCM-11X-ENH		2	<input type="text" value="2"/>	
LIC-CUCM-11X-ENHP		2	<input type="text" value="2"/>	
LIC-CUCM-11X-BAS		2	<input type="text" value="2"/>	

At the bottom of the interface, there are "Cancel" and "Submit" buttons.

PAK based Migration to Smart License on CSSM

- Convert PAKs to equivalent Smart Licenses when they are available
- Go to Convert PAKs tab
- Assigned PAKs will show up on the CSSM portal. Click Convert to Smart License

The screenshot shows the Cisco Software Central interface for Smart Software Licensing. The main heading is "Smart Software Licensing" with navigation links for Alerts, Inventory, License Conversion, Reports, Email Notification, Satellites, and Activity. The "License Conversion" section is active, showing a "Convert PAKs" tab. Below the tabs, there is a table of Product Activation Keys (PAKs) with columns for PAK, SKUs, Order Number, Order Date, Virtual Account, and Actions. A red arrow points to the "Convert PAKs" tab, and another red arrow points to the "Convert to Smart License..." button in the Actions column of the first row.

PAK	SKUs	Order Number	Order Date	Virtual Account	Actions
7961JEC693C	IND-IE (11)	103216221	-	DEFAULT	Convert to Smart License...
7961J54BB3D	IND-IE (1)	103293135	-	DEFAULT	Convert to Smart License...
7961J35731A	IND-IE (1)	103372590	-	DEFAULT	Convert to Smart License...
FXPAK1DC0CC	IND-IE (9)	SalesOrder	-	DEFAULT	Convert to Smart License...
FXPAK9E883A	L-CSR-500M-AV-3Y= (50)	SalesOrder	-	SLN	Convert to Smart License...
FXPAK75BBF	LIC-CUCM-11X-ENH (1)	SalesOrder	-	DEFAULT	Convert to Smart License...
7961J67E145	IND-IE (10)	103139869	2016-Sep-26	DEFAULT	Convert to Smart License...
7961J2E8EB0	IND-IE (1)	103123598	2016-Sep-22	DEFAULT	Convert to Smart License...
7961J72C24E	IND-IE (1)	103065562	2016-Sep-12	DEFAULT	Convert to Smart License...
7961J179D6D	IND-IE (1)	103054528	2016-Sep-08	DEFAULT	Convert to Smart License...

PAK based Migration (CSSM) : Select License

- Select SKUs under PAK and quantity of Licenses to be converted
- PLM Licenses which are partially converted will need new PLM License file for managing the remaining Classic Licenses :
 - PLM under e-fulfillment mode will receive new License file automatically
 - PLM under manual fulfillment will need to download and manually upload new License file in PLM

Convert to Smart Software Licenses

STEP 1 Select Licenses | STEP 2 Review and Confirm

Select the licenses you want to convert to Smart Software Licenses and the Destination Virtual Account to contain them. If the PAK allows partial fulfillment, you will be able to choose the number of licenses to convert, otherwise all licenses in the PAK will be converted.

PAK Details

PAK Number: FXPAK75BBF
Partial Fulfillment: Allowed
PAK Virtual Account: DEFAULT
Destination Virtual Account: DEFAULT

SKUs

<input checked="" type="checkbox"/>	SKU	Licenses	Type	Expiration Date	Available to Convert	Quantity to Convert
<input checked="" type="checkbox"/>	LIC-CUCM-11X-ENH	UC Manager Enhanced License (12.x)	Perpetual	-	1	1

Cancel Back Next

PAK based Migration CSSM : Review and Confirm

- Review and confirm.
- Once converted to Smart Entitlement, the old classic licenses will be invalidated

Convert to Smart Software Licenses

STEP 1 ✓
Select Licenses

STEP 2
Review and Confirm

⚠ Once the licenses have been fulfilled as Smart Software Licenses, they cannot be used for traditional licensing.

PAK Details

PAK Number: FXPAKC75BBF
Partial Fulfillment: Allowed
PAK Virtual Account: DEFAULT
Destination Virtual Account: DEFAULT

SKUs to Convert

SKU	Licenses	Type	Expiration Date	Available to Convert	Quantity to Convert
LIC-CUCM-11X-ENH	UC Manager Enhanced License (12.x)	Perpetual	-	1	1

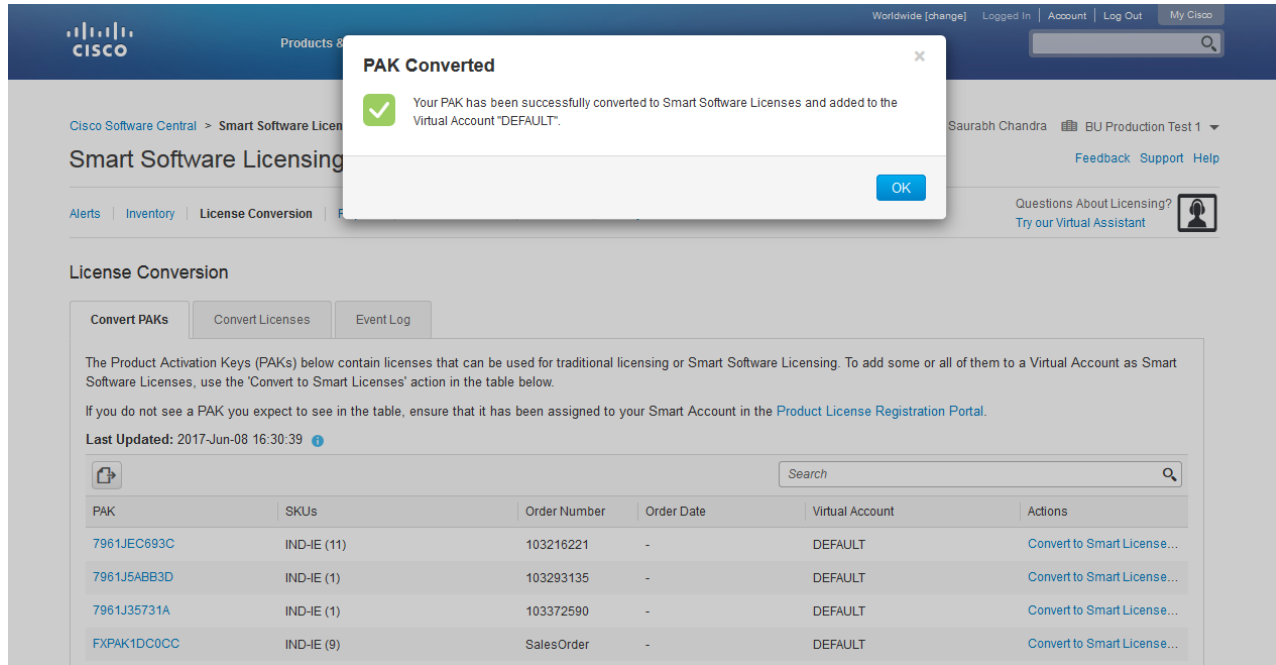
Cancel Back Convert License

FXPAKC75BBF LIC-CUCM-11X-ENH (1) SalesOrder - DEFAULT Convert to Smart License...

7961J67E145 IND-IE (10) 103139869 2016-Sep-26 DEFAULT Convert to Smart License...

PAK based Migration (CSSM) : Smart Licenses converted

- Converted Smart Licenses added into the Smart Account and Virtual Account



The screenshot displays the Cisco Software Central interface. A modal window titled "PAK Converted" is centered on the screen, indicating that a Product Activation Key (PAK) has been successfully converted to Smart Software Licenses and added to the Virtual Account "DEFAULT". The background shows the "License Conversion" section with tabs for "Convert PAKs", "Convert Licenses", and "Event Log". Below the tabs, there is a table listing converted PAKs with columns for PAK, SKUs, Order Number, Order Date, Virtual Account, and Actions.

PAK	SKUs	Order Number	Order Date	Virtual Account	Actions
7961JEC693C	IND-IE (11)	103216221	-	DEFAULT	Convert to Smart License...
7961J5ABB3D	IND-IE (1)	103293135	-	DEFAULT	Convert to Smart License...
7961J35731A	IND-IE (1)	103372590	-	DEFAULT	Convert to Smart License...
FXPAK1DC0CC	IND-IE (9)	SalesOrder	-	DEFAULT	Convert to Smart License...

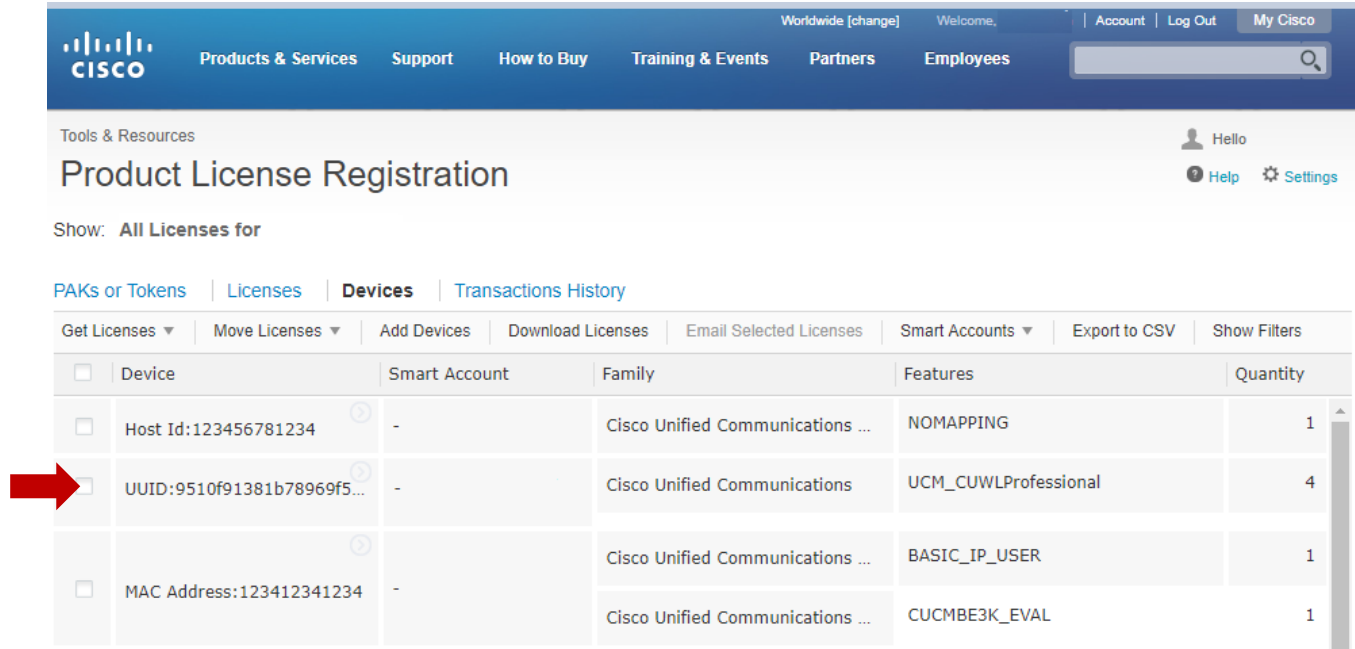
Device based migration to Smart Licenses on LRP

- Login to the Traditional Licensing Portal at <http://tools.cisco.com/SWIFT/LicensingUI/Home>
- Go to Device tab. Locate the PLM Device to be migrated (please filter using PLM UUID)
- If not available, Obtain the License request from PLM and add the PLM Device.

The screenshot shows the Cisco Licensing UI. The 'Add Device' dialog box is open, and the 'License Request' field is highlighted with a red box. The license request string is: VEUgUKVRVUVTVC0tLS0tCgAAAAAAAHUFAAAAAFQB2A1RyYi5zYiN0ai9uSUQAAAAA FQB3AJE1MDA5MDI3Nzk0MTMAAAAAAPwB1BQAAAAAAdgJTZXJ2ZXJJRAAAAAAAoAHcC ZDhXyJQ4NmE5OWlwNGVmMDg1NGI1MTA1NDAwZTRjNGUAAAAAACwB6AAAAAAABAAAb AIAcQ21zY28gU31zdGVtcywgSW5jLgAAAAALAKYAAAAAFwAAACgArQUAAAAALAK4A AAAABAAAAAsArwAAAAAFAAAAACwAAAAAAALAMoAAAAABQAAAAAsAzgAAAAA AAAACwDSAAAAAA=

Device based migration (LRP) : PLM device added

- PLM device added shows up under Device tab

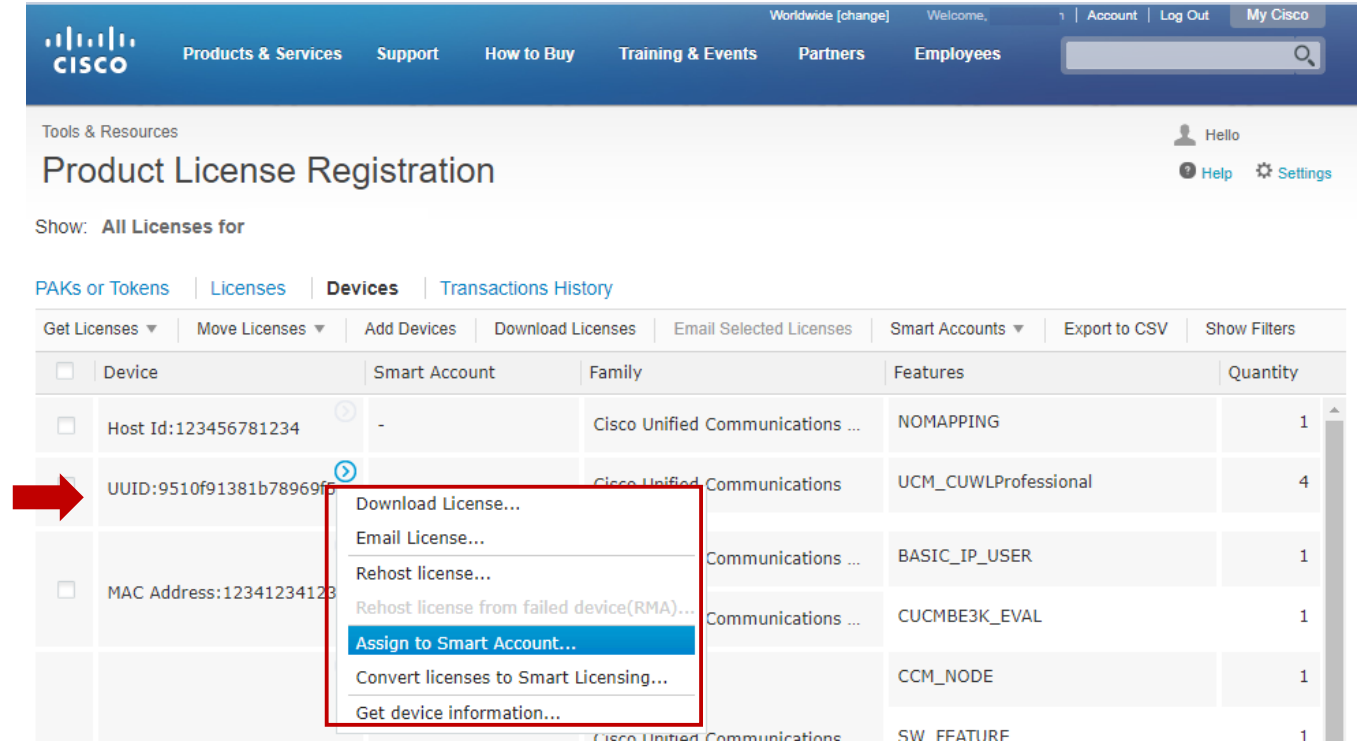


The screenshot shows the Cisco Product License Registration interface. The top navigation bar includes the Cisco logo, navigation links for Products & Services, Support, How to Buy, Training & Events, Partners, and Employees, and a search bar. The main content area is titled "Product License Registration" and includes a user profile "Hello" and links for Help and Settings. Below the title, there are tabs for "PAKs or Tokens", "Licenses", "Devices", and "Transactions History". The "Devices" tab is active, and a table displays the following data:

<input type="checkbox"/>	Device	Smart Account	Family	Features	Quantity
<input type="checkbox"/>	Host Id:123456781234	-	Cisco Unified Communications ...	NOMAPPING	1
<input checked="" type="checkbox"/>	UUID:9510f91381b78969f5...	-	Cisco Unified Communications	UCM_CUWLProfessional	4
<input type="checkbox"/>	MAC Address:123412341234	-	Cisco Unified Communications ...	BASIC_IP_USER	1
<input type="checkbox"/>			Cisco Unified Communications ...	CUCMBE3K_EVAL	1

Device based migration (LRP) : Assign PLM Device

- Assign PLM device to Smart Account and Virtual Account



The screenshot displays the Cisco Product License Registration web interface. The top navigation bar includes the Cisco logo, navigation links for Products & Services, Support, How to Buy, Training & Events, Partners, and Employees, and user account options like Worldwide [change], Welcome, Account, Log Out, and My Cisco. The main content area is titled 'Product License Registration' and shows 'All Licenses for'. Below this, there are tabs for 'PAKs or Tokens', 'Licenses', 'Devices', and 'Transactions History'. A toolbar contains actions like 'Get Licenses', 'Move Licenses', 'Add Devices', 'Download Licenses', 'Email Selected Licenses', 'Smart Accounts', 'Export to CSV', and 'Show Filters'. A table lists licenses with columns for Device, Smart Account, Family, Features, and Quantity. A red arrow points to the 'Device' column of the second row, which has a context menu open. The menu options are: Download License..., Email License..., Rehost license..., Rehost license from failed device(RMA)..., Assign to Smart Account... (highlighted in blue), Convert licenses to Smart Licensing..., and Get device information....

Device	Smart Account	Family	Features	Quantity
<input type="checkbox"/> Host Id:123456781234	-	Cisco Unified Communications ...	NOMAPPING	1
<input type="checkbox"/> UUID:9510f91381b78969f...		Cisco Unified Communications	UCM_CUWLProfessional	4
<input type="checkbox"/> MAC Address:12341234123		Communications ...	BASIC_IP_USER	1
		Communications ...	CUCMBE3K_EVAL	1
			CCM_NODE	1
		Cisco Unified Communications	SW_FEATURE	1

Device based migration (LRP) : Select SA and VA

- Select Smart Account and Virtual Account to which PLM will be assigned

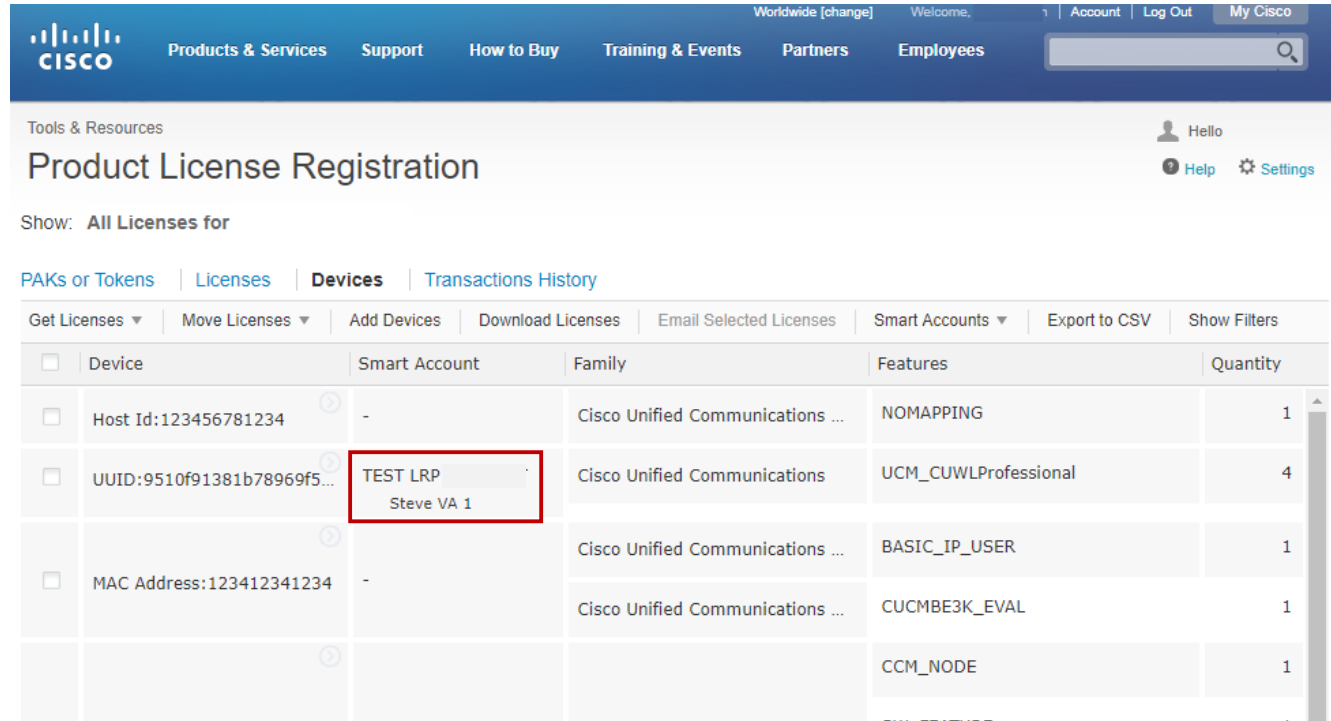
The screenshot displays the Cisco Product License Registration web interface. At the top, there is a navigation bar with the Cisco logo and various menu items like 'Products & Services', 'Support', 'How to Buy', 'Training & Events', 'Partners', and 'Employees'. Below this, the page title is 'Product License Registration'. A sub-section 'Tools & Resources' is visible, along with user information 'Hello' and links for 'Help' and 'Settings'. The main content area shows a table of licenses with columns for 'Device' and 'Quantity'. A modal dialog titled 'Assign to Smart/Virtual Accounts' is open, overlaying the table. The dialog contains the following information:

- Device Name: UUID:9510f91381b78...
- * Smart Account: TEST LRP
- * Virtual Account: Steve VA 1

A red arrow points to the 'Virtual Account' dropdown menu in the dialog. At the bottom of the dialog are 'Cancel' and 'Assign' buttons.

Device based migration (LRP) : PLM device assigned

- Shows Smart Account assigned for the PLM device

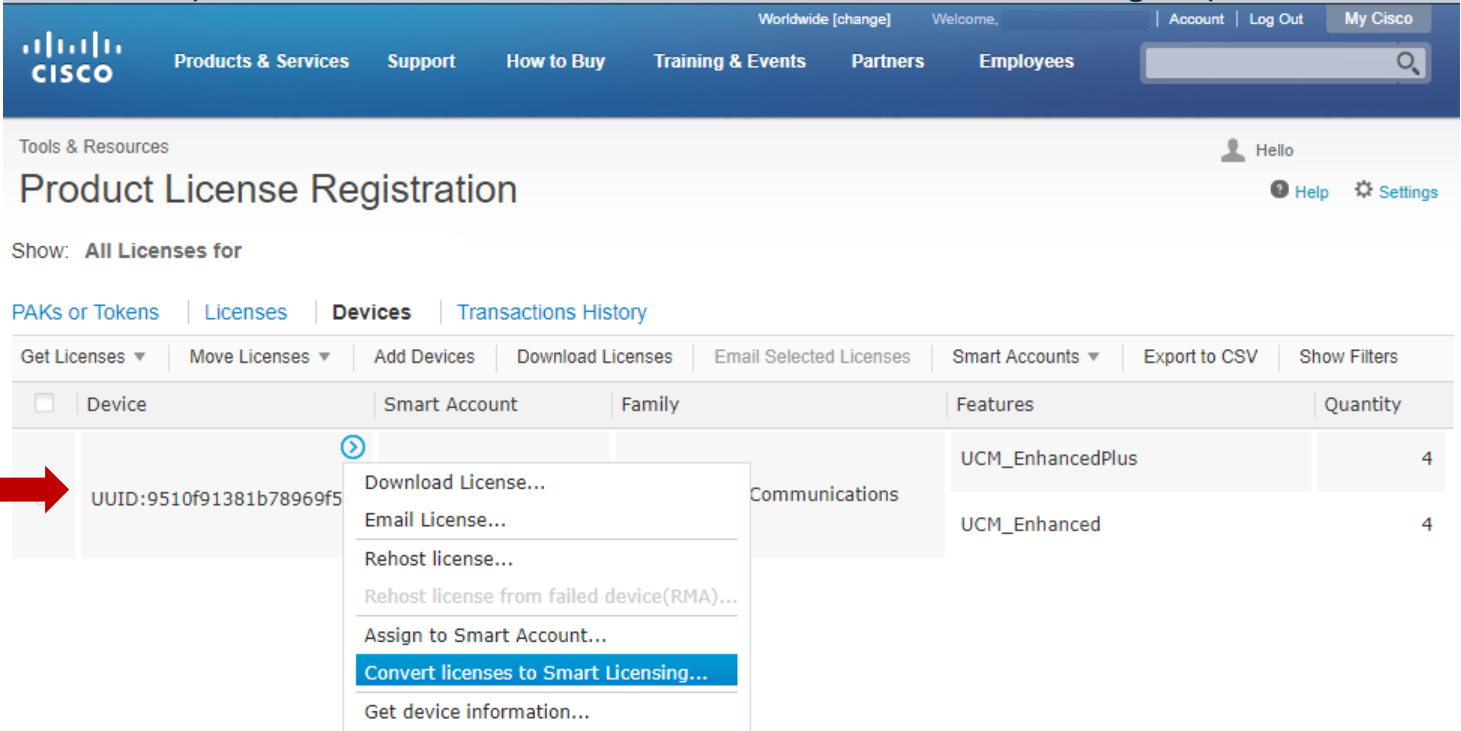


The screenshot shows the Cisco Product License Registration interface. The page title is "Product License Registration" and it displays a table of licenses. The table has columns for "Device", "Smart Account", "Family", "Features", and "Quantity". One row is highlighted with a red box, showing a Smart Account named "TEST LRP" assigned to a device with UUID "9510f91381b78969f5...".

Device	Smart Account	Family	Features	Quantity
Host Id:123456781234	-	Cisco Unified Communications ...	NOMAPPING	1
UUID:9510f91381b78969f5...	TEST LRP Steve VA 1	Cisco Unified Communications	UCM_CUWLProfessional	4
MAC Address:123412341234	-	Cisco Unified Communications ...	BASIC_IP_USER	1
		Cisco Unified Communications ...	CUCMBE3K_EVAL	1
			CCM_NODE	1
			CUWL_FEATURE	-

Device based migration (LRP) : License conversion

- Select the device where the classical licenses needs to be converted to Smart entitlements.
- From the context option select “Convert licenses to Smart Licensing” option.



The screenshot displays the Cisco Product License Registration web interface. The top navigation bar includes the Cisco logo, navigation links (Products & Services, Support, How to Buy, Training & Events, Partners, Employees), and user options (Worldwide [change], Welcome, Account, Log Out, My Cisco). The main content area is titled "Product License Registration" and shows a table of licenses. A red arrow points to a device with the UUID "UUID:9510f91381b78969f5". A context menu is open over this device, listing various actions, with "Convert licenses to Smart Licensing..." highlighted in blue.

Tools & Resources Hello [Help](#) [Settings](#)

Product License Registration

Show: **All Licenses for**

[PAKs or Tokens](#) | [Licenses](#) | **[Devices](#)** | [Transactions History](#)

Get Licenses ▾ | Move Licenses ▾ | Add Devices | Download Licenses | Email Selected Licenses | Smart Accounts ▾ | Export to CSV | Show Filters

<input type="checkbox"/>	Device	Smart Account	Family	Features	Quantity
<input type="checkbox"/>	UUID:9510f91381b78969f5		Communications	UCM_EnhancedPlus	4
<input type="checkbox"/>				UCM_Enhanced	4

- Download License...
- Email License...
- Rehost license...
- Rehost license from failed device(RMA)...
- Assign to Smart Account...
- Convert licenses to Smart Licensing...**
- Get device information...

Device based migration (LRP) : Select Licenses

- Select SKU and quantity of Licenses to be converted
- PLM Licenses which are partially converted will need new License file for managing the remaining Classic Licenses :
- PLM under e-fulfillment mode will receive new License file automatically
- PLM under manual fulfillment will need to download and manually upload new License file

Convert to Smart Entitlements ✕

Once these entitlements have been converted they will no longer appear in this portal.

Device ID: UUID:9510f91381b78969f57dd8e94e170cd8

Product Family: Cisco Unified Communications

Smart Account: TEST LRP

Virtual Account: DEFAULT

<input checked="" type="checkbox"/> SKU	Type	Term Date	Quantity Available	Quantity to Convert
<input checked="" type="checkbox"/> LIC-CUCM-11X-ENHP	Perpetual	--	4	<input type="text" value="4"/>
<input checked="" type="checkbox"/> LIC-CUCM-11X-ENH	Perpetual	--	4	<input type="text" value="4"/>

Cancel Submit

Device based migration (LRP) : Review and Submit

- Review , Confirm and click Submit
- Once the licenses are fully converted, the PLM UUID will be removed from LRP
- Confirmation message will be shown once the licenses are converted.
- The entitlements will now be available on CSSM under selected Smart and Virtual Account.

License Request Status

Device licenses have been successfully converted into Smart Entitlements. Kindly note that these entitlements cannot be used in this portal.

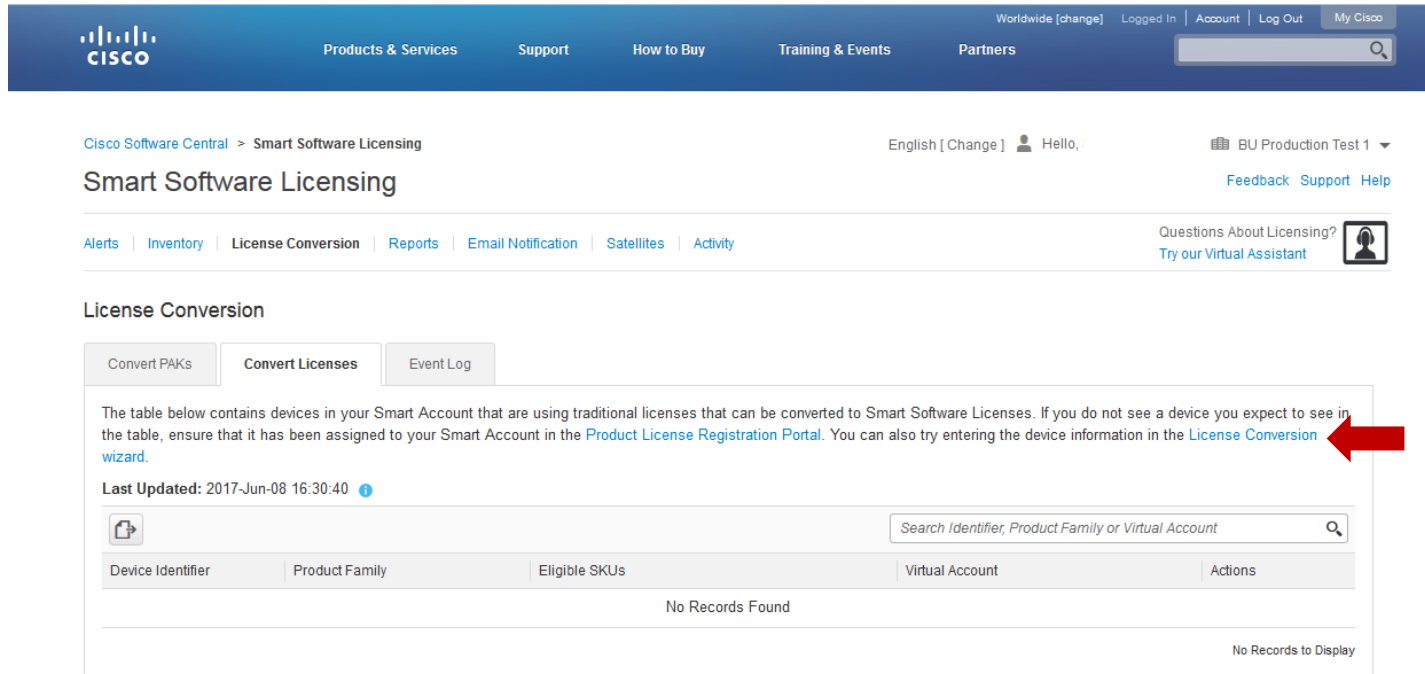
Use this transaction ID to view status on the "Manage > Transactions History".
Transaction Id: TRXREQTIXEZDEP

Please provide feedback... Let Cisco know how to improve this experience.

SKU	Type	Term Date	Quantity Available	Quantity to Convert
<input checked="" type="checkbox"/> LIC-CUCM-11X-ENHP	Perpetual	--	4	<input type="text" value="4"/>
<input checked="" type="checkbox"/> LIC-CUCM-11X-ENH	Perpetual	--	4	<input type="text" value="4"/>

Device based migration to Smart Licenses on CSSM

- Assigned Device will show up on the CSSM Portal. The CSSM portal will be refreshed every 1 hour. If the assigned device is not visible in CSSM, please recheck after an hour.
- Go to Convert Licenses tab and click Use License Conversion wizard



The screenshot shows the Cisco Software Central interface for Smart Software Licensing. The top navigation bar includes the Cisco logo and links for Products & Services, Support, How to Buy, Training & Events, and Partners. The main content area is titled 'Smart Software Licensing' and includes a navigation menu with 'Alerts', 'Inventory', 'License Conversion', 'Reports', 'Email Notification', 'Satellites', and 'Activity'. The 'License Conversion' section is active, with sub-tabs for 'Convert PAKs', 'Convert Licenses', and 'Event Log'. A text block explains that the table below contains devices in the Smart Account that can be converted to Smart Software Licenses. A red arrow points to the 'License Conversion wizard' link in this text. Below the text is a search bar and a table with columns: Device Identifier, Product Family, Eligible SKUs, Virtual Account, and Actions. The table currently displays 'No Records Found'.

Worldwide [change] | Logged In | Account | Log Out | My Cisco

Products & Services | Support | How to Buy | Training & Events | Partners

Cisco Software Central > Smart Software Licensing

English [Change] | Hello, | BU Production Test 1

Smart Software Licensing

Feedback | Support | Help

Alerts | Inventory | License Conversion | Reports | Email Notification | Satellites | Activity

Questions About Licensing? | Try our Virtual Assistant

License Conversion

Convert PAKs | Convert Licenses | Event Log

The table below contains devices in your Smart Account that are using traditional licenses that can be converted to Smart Software Licenses. If you do not see a device you expect to see in the table, ensure that it has been assigned to your Smart Account in the [Product License Registration Portal](#). You can also try entering the device information in the [License Conversion wizard](#).

Last Updated: 2017-Jun-08 16:30:40

Search Identifier, Product Family or Virtual Account

Device Identifier	Product Family	Eligible SKUs	Virtual Account	Actions
No Records Found				

No Records to Display

Device based migration (CSSM) : Input PLM ID

- Select Product family as “Cisco Unified Communications” and provide PLM Device UUID

Convert to Smart Software Licenses

STEP 1 Identify Device | STEP 2 Select Licenses | STEP 3 Review and Confirm

Convert traditional licenses installed on a device to Smart Software Licenses. Begin by selecting the product family and entering the device identifier that was used to register the licenses in the Product License Registration Portal.

* Product Family: Cisco Unified Communications

* UUID: 9510f91381b78969f57dd8e94e170cd8 Search

Cancel Back Next

Device based migration (CSSM) : Select License

- Select SKU and quantity of Licenses to be converted
- PLM Licenses which are partially converted will need new License file for managing the remaining Classic Licenses :
- PLM under e-fulfillment mode will receive new License file automatically
- PLM under manual fulfillment will need to download and manually upload new License file

Convert to Smart Software Licenses

STEP 1 Identify Device STEP 2 **Select Licenses** STEP 3 Review and Confirm

Choose the licenses from the device that you want to convert to Smart Software Licenses.


Device Details

UUID: 9510f91381b78969f57dd8e94e170cd8
Product Family: Cisco Unified Communications
Device Virtual Account: DEFAULT

Licenses to Convert

Destination Virtual Account:

<input checked="" type="checkbox"/>	Transaction ID	SKU	Quantity	Type	Expiration Date	Converts to Smart License	Quantity to Convert
<input checked="" type="checkbox"/>	61641974	LIC-CUCM-11X-ENHP	4	Perpetual	-	UC Manager Enhanced ...	<input type="text" value="4"/>
		LIC-CUCM-11X-ENH	4	Perpetual	-	UC Manager Enhanced ...	<input type="text" value="4"/>



Device based migration (CSSM) : Convert licenses

- Review , Confirm and click Convert Licenses
- When old Licenses are converted, they will be invalidated

Convert to Smart Software Licenses

STEP 1 ✓ | STEP 2 ✓ | STEP 3 ?

⚠ Contract Check passed!

⚠ Once the licenses have been converted to Smart Software Licenses, they cannot be converted back to traditional licensing.

Device Details

UUID: 9510f91381b78969f57dd8e94e170cd8
Product Family: Cisco Unified Communications
Device Virtual Account: DEFAULT

Licenses to Convert

Destination Virtual Account: DEFAULT

SKU	Quantity	Type	Expiration Date	Converts to Smart License	Quantity to Convert
LIC-CUCM-11X-ENHP	4	Perpetual	-	UC Manager Enhanced Plus Li...	4

Cancel Back **Convert Licenses**

Upgrade to Smart Entitlements (no Active SWSS)

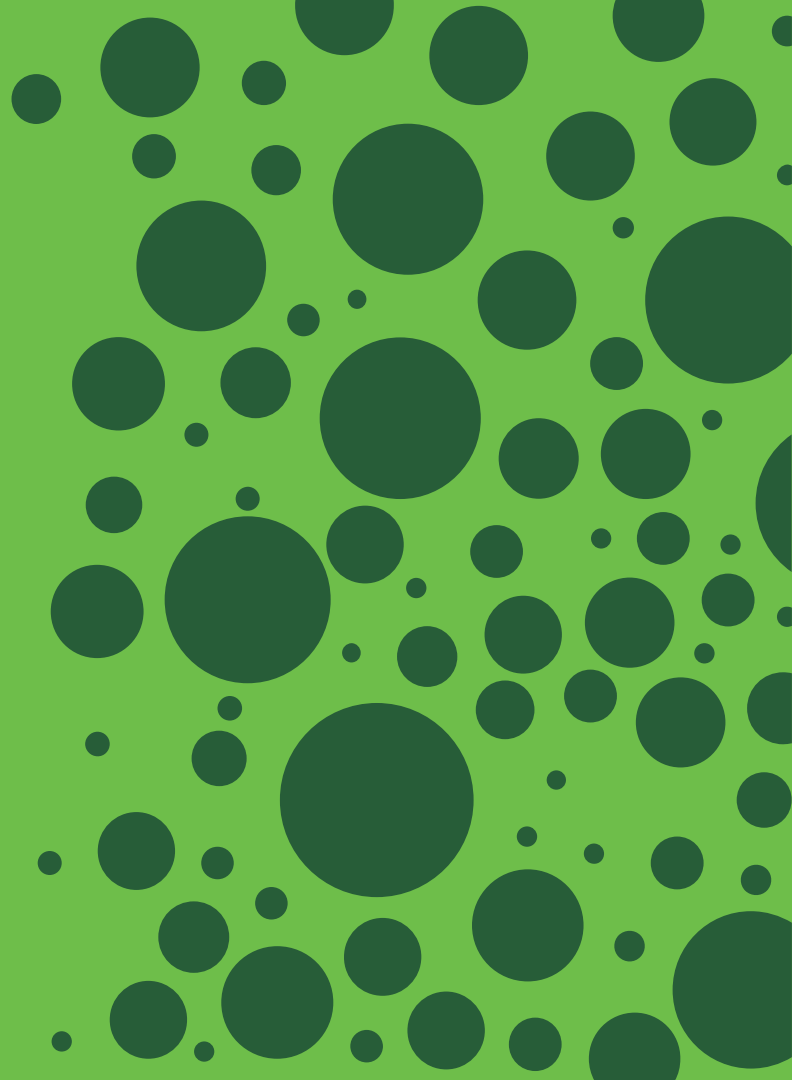
Customers with no Service Contract and want to upgrade from v9, 10, 11 to v12

- Order Upgrade SKUs which fulfills the Smart Entitlements to the specified Smart Account and Virtual Account. Please refer the Ordering Guide at <http://www.cisco.com/c/en/us/partners/tools/collaboration-ordering-guides.html>
- May buy additional new licenses for 12.0

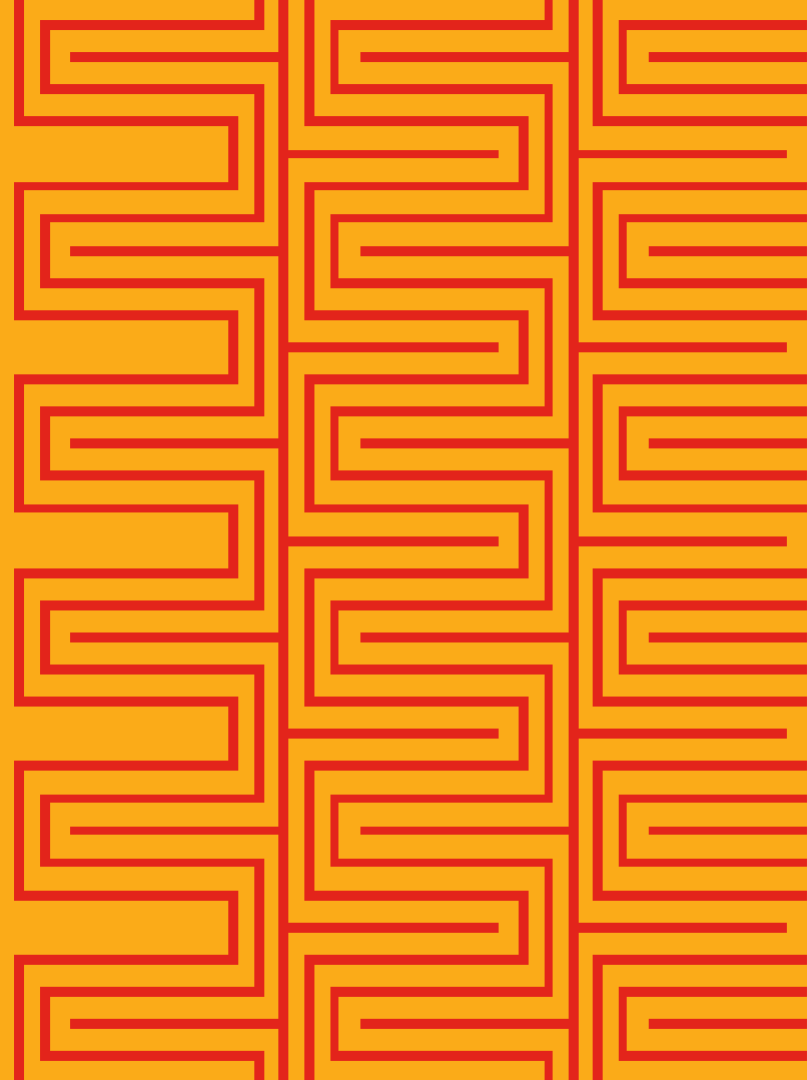
Customers with no Service Contract and want to upgrade from pre-v9 (DLU) to 12.0

- Customer may establish equivalent User based licensing required by running License Count Utility http://www.cisco.com/c/en/us/td/docs/voice_ip_comm/cucm/upgrade/uct/CUCM_BK_UCT_Admin_Guide/CUCM_BK_UCT_Admin_Guide_chapter_01.html
- From the LCU report, Customer may order respective quantity of Upgrade Licenses through Cisco Commerce Workspace.
- May buy additional new licenses for 12.0

Demos



Resources



Resources for Smart Licensing

Training

- Live Training: Register for you or your customer at: <https://communities.cisco.com/docs/DOC-56985>
- YouTube Training Videos: https://www.youtube.com/channel/UCABaWsiDScw_w6kvPcDljHw
- Training Videos and Demos: <https://www.cisco.com/web/ordering/smart-software-manager/index.html>

Getting help

- GLO Support: Fully supported by GLO 24x7: licensing@cisco.com
- General Questions: ask-smartlicensing@cisco.com
- Portal Issues: smart-ops-support@cisco.com
- Migration Issues: smart-ops-support@cisco.com
- Satellite Issues: cs-cssm-satellite@cisco.com

Sales Connect - Collaboration

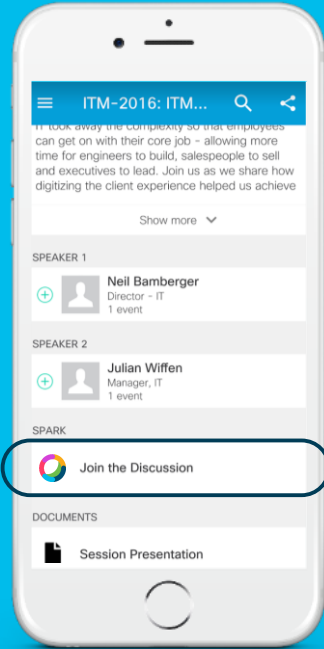
- <https://www.cisco.com/c/dam/en/us/products/collateral/unified-communications/unified-communications-licensing/presentation-c97-739389.pptx>

Discussion Forums

- https://forums.cisco.com/OperationsExchange/s/Training-Details?L1Category=Training&L2Category=CSE_End_Customer&L1CategoryPath=training

Customer facing websites

- Smart Account Home CCO Page: www.cisco.com/go/smartaccounts
- Smart Licensing CCO Page: www.cisco.com/go/smartlicensing
- Smart Licensing 'Satellite' CCO Page: www.cisco.com/go/smartsatellite
- Best Practices and Usage Guides: <https://forums.cisco.com/ecom/web/operations-exchange/sot>



cs.co/ciscolivebot#BRKUCC-2725

Cisco Webex Teams

Questions?

Use Cisco Webex Teams (formerly Cisco Spark) to chat with the speaker after the session

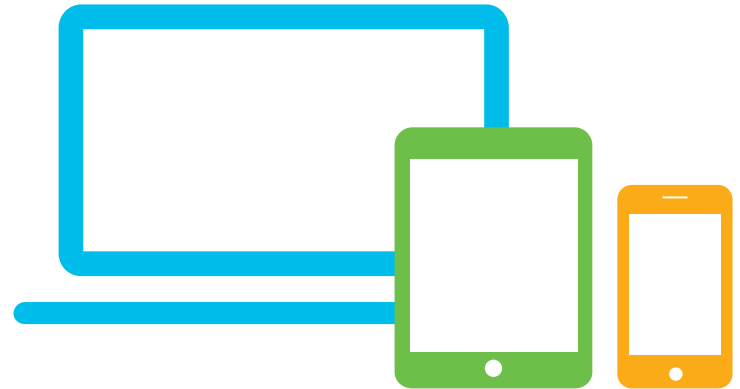
How

- 1 Find this session in the Cisco Events Mobile App
- 2 Click “Join the Discussion”
- 3 Install Webex Teams or go directly to the team space
- 4 Enter messages/questions in the team space

Complete your online session survey

- Please complete your Online Session Survey after each session
- Complete 4 Session Surveys & the Overall Conference Survey (available from Thursday) to receive your Cisco Live T-shirt
- All surveys can be completed via the Cisco Events Mobile App or the Communication Stations


Don't forget: Cisco Live sessions will be available for viewing on demand after the event at cicolive.cisco.com




Continue Your Education




Demos in the Cisco Showcase



Walk-in self-paced labs



Meet the engineer
1:1 meetings



Related sessions



Thank you



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