



Cisco Enterprise Management 3.x, Prime Infrastructure 3.x, APIC-EM Ordering and Licensing Guide

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How to Use This Ordering Guide

- The Cisco Prime™ Infrastructure 3.0, Management 3.x Ordering Guide addresses key **use cases and customer situations**.
- **Hyperlinks allow you to** quickly get to the information you want, within 3 – 4 clicks
Each use case includes the key **ordering steps** and the associated **bill of materials**.
- In each use case where you want to upgrade from an earlier version of Cisco® Prime Infrastructure, and **need to migrate historical data to version 3.0**, we will show you **various stages of upgrade paths** to follow.

Note that **customers that do not need to migrate historical data to Cisco Prime Infrastructure 3.0**. You can do a fresh installation of it, then export MAPs, device inventory, and licenses from earlier versions and import them into Prime Infrastructure 3.0. **You can skip the intermediate steps**.
- A full list of part numbers (new product SKUs and upgrade SKUs) is provided in the Appendix
- A number of footnotes and appendixes provide links to relevant information necessary to install a new version of Prime Infrastructure 3.0 or for upgrading from legacy versions

Cisco Prime Infrastructure Ordering Guide

- What is new with Cisco Prime™ Infrastructure 3.0 (PI 3.0) licensing
- Ordering **Prime Infrastructure (PI) 3.0** (new customers and customers adding capacity to existing **PI 3.0**)
- Ordering APIC-EM controller, basic apps (i.e., PnP, PKI, Topo.,etc.) and solution apps (i.e. IWAN) dev licenses
- Upgrading from **PI 2.2** to **PI 3.0**
- Upgrading from legacy offerings (NCS, PI 1.x, PI 2.x) to **PI 2.2** and **then to PI 3.0**
- Migrating from legacy offerings (WCS, LMS) to **PI 2.2** and **then to PI 3.0**
- Upgrading from generation 1 to generation 2 of the Cisco® Prime Infrastructure physical appliance
- Appendices (A-J)

A. [Prime Infrastructure scale and sizing guidelines](#)
B. [Prime Infrastructure 3.x licensing overview](#)
C. [Upgrading using the Product Upgrade Tool \(PUT\)](#)
D. [Complete list of product and services part numbers](#)
E. [Complete list of upgrade and migration part numbers](#)
F. [Using Management Token as an alternative to using category-specific licenses](#)

G. [End-of-sale and end-of-life notices](#)
H. [Using the licensing interface](#)
I. [Obtaining a Prime Infrastructure evaluation license and software](#)
J. [Contact information to get help with ordering and licensing](#)
K. [Resources \(guides: upgrade, installation\)](#)



What Is New with Cisco Prime Infrastructure 3.0 Licensing

New in Cisco Prime Infrastructure 3.0

Licensing Changes

- Licenses to run Cisco Prime™ Infrastructure 3.x (PI 3.x) and the Cisco® APIC-EM (solution apps – for instance, the Cisco IWAN app) are now offered under one Cisco Enterprise Management 3.x License
APIC-EM solution app licenses are right to use (RTU). Therefore, no license files are involved.
APIC-EM controller software and basic apps and services (for example, PnP, PKI, topology, inventory) are offered free of charge
- PI 3.0 lifecycle and assurance licenses are now combined into a single management license.
These licenses are offered on a per-device basis (as in PI 1.x, 2.x) and are NOT node-locked.
They are available in single-device increments (no more PAKs of 25, 50, etc.).
- PI 3.x licenses are now linked to the category or sub-category of network devices (as in Cisco ONE™ Software)
Examples include L-MGMT3x-LFAS-AP, L-MGMT3x-LFAS-3K, etc.
- Customers **deploying Prime Infrastructure for the first time** should purchase a Cisco Enterprise Management 3.x License as described in this document.
Customers **with a valid services contract** on earlier versions of Prime Infrastructure (PI 2.x, 1.x, NCS 1.x etc.) can upgrade to PI 3.x at no additional cost.
Customers without a valid services contract or **with expired services contracts** can purchase PI 1.x and 2.x to 3.x upgrade licenses and then upgrade the PI 1.x or 2.x instance to a PI 3.x instance, as described in this document.
- LMS 4.2 licenses are no longer bundled with PI 3.0; customers who need to add LMS licenses can purchase PI 2.2 Licenses.
Customers who want to simultaneously deploy PI 3.0 and LMS 4.2 can purchase PI 2.2 licenses with a services contract and get LMS 4.2 Licenses. They can then upgrade or install PI 3.0 at no additional cost and use PI 2.2 licenses.



Ordering Cisco Prime Infrastructure (New Customers and Existing Customers Who Want to Add Capacity)

Ordering Cisco Prime Infrastructure 3.x

→ [Click here](#) Customers purchasing Cisco Prime[®] Infrastructure for the first time

→ [Click here](#) Customers adding new functions or capacity to existing PI servers

- [Additional capacity - lifecycle and assurance](#)
- [New functionality - Cisco UCS[®] Server management \(only on PI 2.2 or higher\)](#)
- [New functionality - Cisco[®] Prime Infrastructure Operations Center](#)

→ [Click here](#) Customers upgrading from NCS 1.x, PI 1.x, and 2.x

→ [Click here](#) Customers purchasing Prime Infrastructure Operations Center



First-Time Purchase of Prime Infrastructure (1 of 5)

Before Ordering Cisco Prime Infrastructure (PI)

- 1 Download and review the Cisco Prime™ Infrastructure 3.0 Quick Start Guide*
- 2 Decide whether to deploy your PI server on a **physical appliance** or **virtual appliance**
- 3 Review the Cisco® Prime Infrastructure **scale and sizing guidelines** ([click here](#))
- 4 Take an approximate inventory** of network devices, and Cisco UCS® servers that you will manage with PI
 - a. Number of **switches, routers, wireless access points**
 - b. Cisco UCS **servers**
- 5 Identify other requirements for Cisco Prime Infrastructure deployment (for example, you may want to segment the network and deploy multiple PI instances to manage different segments)
- 6 Decide on the number of PI server instances based on the above guidelines and your requirements. Unless you plan to manage the same number of devices on each server instance, you must create a separate bill of materials (BoM) for each server (explained later)
- 7 Select the appropriate Management 3.x (lifecycle and assurance) part numbers and the quantity for each PI server based on the number of network devices that the PI server instance is intended to manage.

• http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

** You are strongly encouraged to purchase the PI license with a network devices purchase and match the number and type of devices and PI licenses.

First-Time Purchase of Prime Infrastructure (2 of 5)

Use case: Customer wants to purchase Cisco Prime™ Infrastructure to manage its network with 500 (APs), 60 (2Ks), 20 (3Ks), ISR1K (10), ISR4K (2). Include high availability, and deploy PI on a virtual appliance

Required

1. Start with **TOP-LEVEL** part number: **R-MGMT3X-N-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-MGMT3X-PI-BASE** (QTY. = 1)
3. Select **SOFTWARE*** part number **R-PI30-SW-K9** (QTY. = 1)
4. Select the **HIGH AVAILABILITY** part number: **L-PI2X-HA** (QTY. = 1)
5. Select **MGMT (LF and AS)** license part number(s): **L-MGMT3X-<DEV>-K9**, (QTY=n)
(<DEV> = Device Type and Sub Type (AP, 2K, 3K ..)
n = 50/100/500/1000 .. 15,000)
QTY depends on the number of network devices

Optional

1. Order additional support (a 1-year mandatory services contract is attached with each new order)

* Lifecycle and Assurance Lic.
(QTY. 1 or more)



PI Base Lic.
(QTY. 1)

(Opt) H/A Lic.
(QTY. 0 or 1)

PI Virtual or Physical Appliance

[Example BoM 1](#)

For a full list of SKUs refer to
[Appendix D-E](#)

* Software download and installation instructions

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

First-Time Purchase of Prime Infrastructure (3 of 5)

Example BoM #1: Customer wants to purchase Cisco Prime™ Infrastructure to manage its network with 500 (APs), 60 (2Ks), 20 (3Ks), ISR1K (10), ISR4K (2). Include HA and deploy PI on a virtual appliances (Services Part Numbers will be displayed when you order the product)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number					
R-MGMT3X-N-K9	Cisco® Ent MGMT: Lic For PI 3.x And APIC EM Fnd Apps	1	N/A		1
Product Part Number					
Base License					
L-MGMT3X-PI-BASE	Cisco Ent MGMT: PI 3.xx Platform Base Lic	1			1
Product Part Number					
Prime Infrastructure 3.x Software Options					
R-PI30-SW-K9	Cisco Prime™ Infrastructure 3.0 Software	1			1
Product Part Number					
Prime™ Infrastructure 3.x High-Availability License (RTU)**					
L-MGMT3X-HA	Cisco Ent MGMT: PI 3.x, APIC-EM (if applic), H/A Lic	1			1
Product Part Number					
Lifecycle and Assurance License Options (Access Point Management)					
L-MGMT3X-AP-K9*	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 AP	500			500
Lifecycle and Assurance License Options (Catalyst® Switch Management)					
L-MGMT3X-2K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 2K	60			60
L-MGMT3X-3K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 3K	20			20
Lifecycle and Assurance License Options (Router Management)					
L-MGMT3X-ISR1-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR1K	10			10
L-MGMT3X-ISR4-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR4K	2			2

* Customers purchasing an access point management license for 2500 or more devices can use L-MGMG3X-AP-HV-K9 (high-volume license)

** You do **NOT** need to purchase duplicate device management licenses for the secondary server.

High-availability deployments require that both primary and secondary appliances be identical (PHY/PHY, VM/VM, Gen1/Gen1, PI ver x/ver x)

The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.

First-Time Purchase of Prime Infrastructure (4 of 5)

If You Choose a Physical Appliance Deployment

Use case: Customer wants to purchase and deploy Cisco Prime™ Infrastructure on a physical appliance.*
(Services part numbers will be displayed when you order the product.)

Required*

1. Start with the **TOP-LEVEL** part number: **PI-UCS-APL-K9 (QTY. = N)**
(N = Number of PI server instances that you plan to deploy)
If you want to deploy PI in a high-availability configuration, order one pair of appliances for each instance.
2. Select the appliance **Storage Options** part number: **PI-UCS-H900G10K12G** (900GB HDD) or for increased performance **PI-UCS-SD960GBKS4** (960GB SSD).
3. Select the appliance **SOFTWARE** part number: **PI-UCS-APL-IMG-3.0 (QTY. = 1)**
If this selection is not available, go to the cisco.com download site to download an image and follow the instructions to install this image on the appliance.

[Example BoM 2](#)

For a full list of SKUs refer to [Appendix D-E](#)

Cisco® Prime Infrastructure physical appliance – [Generation 1 vs Generation 2](#)

*** PI 3.0 software is not currently supported on the generation 1 physical appliance and will be supported with subsequent PI 3.x releases (date to be announced)**

First-Time Purchase of Prime Infrastructure (5 of 5)

If You Choose a Physical Appliance Deployment

Example BoM #2: Customer wants to purchase and deploy Cisco Prime™ Infrastructure on a physical appliance.*
 (Services part numbers will be displayed when you order the product.)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Physical Appliance (Gen 2)					
PI-UCS-APL-K9	Prime Infrastructure UCS® Hardware Appliance (Gen 2)	1	CON-SNT-UCSAPL9	SMARTnet® 8X5XNBD Cisco® Prime UCS Hardware	1
Prime Infrastructure 3.x Generation 2 Appliance Software Options					
PI-UCS-APL-IMG-3.0	Cisco Prime Infrastructure 3.0 UCS Appliance Software ISO	1			1

**If you will deploy Prime Infrastructure in high availability you will need to purchase two servers and a high-availability license
 You do NOT need to purchase duplicate device management licenses for the secondary server.
 HA deployments require that both primary and secondary appliances be identical (PHY/PHY, VM/VM, Gen2/Gen2, PI ver x/ver x)
 The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.

Adding Capacity to Existing PI 3.0 Servers (1 of 2)

Lifecycle and Assurance

Use case: Customer wants to add network capacity and purchase corresponding Cisco Prime™ Infrastructure licenses to manage the added devices (access points, Cisco Catalyst® switches, routers, Cisco Nexus® switches).
(Services part numbers will be displayed when you order the product.)

Required

1. Start with **TOP-LEVEL** part number **R-MGMT3X-N-K9** (QTY = 1)
2. Select **MGMT (LF and AS)** license part number(s): **L-MGMT3X-<DEV>-K9**, (QTY=n)
(<DEV> = Device Type and Sub Type (AP*, 2K, 3K ..)
n = 50/100/500/1000 .. 15,000)
QTY depends on the number of network devices

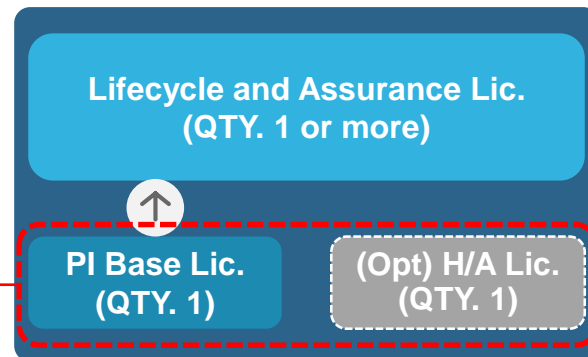
The **QTY** depends on the number of network devices (access points, switches, routers)

Optional

1. Order **additional services** (a 1-year mandatory services contract is attached)

[Example BoM #3](#) is shown in the next slide
For a full list of SKUs refer to [Appendix D-E](#)

**No need to re-purchase
base and HA licenses**



PI Virtual or Physical Appliance

*Customers purchasing an access point management license for 2500 or more devices can use L-MGMG3X-AP-HV-K9 (high-volume license)
The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.

Adding Capacity to Existing PI 3.0 Servers (2 of 2)

Lifecycle and Assurance

Example BoM #3: Customer wants to add network capacity and purchase corresponding Cisco Prime™ Infrastructure licenses to manage the added devices (access points, Cisco Catalyst® switches, routers, Cisco Nexus® switches). (Services part numbers will be displayed when you order the product.)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number					
R-MGMT3X-N-K9	Cisco® Ent MGMT: Lic For PI 3.x And APIC EM Fnd Apps	1	N/A		1

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Lifecycle and Assurance License Options (Access Point Management)					
L-MGMT3X-AP-K9*	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 AP	100			100
Lifecycle and Assurance License Options (Catalyst Switch Management)					
L-MGMT3X-2K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Catalyst® 2K	20			20
L-MGMT3X-3K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 3K	10			10
Lifecycle and Assurance License Options (Router Management)					
L-MGMT3X-ISR1-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR1K	10			10
L-MGMT3X-ISR4-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR4K	2			2
Lifecycle and Assurance License Options (Cisco Nexus Switch Management)					
L-MGMT3X-N5K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus® 5K	2			2
L-MGMT3X-N9K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 9K	4			4

*Customers purchasing an access point management license for 2500 or more devices can use L-MGMG3X-AP-HV-K9 (high-volume license) The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.

Adding Cisco UCS Server and VM Management to Existing PI 3.0 Servers (1 of 2)

Use case: Customer wants to add a Cisco UCS® Server Management license to its existing PI 3.0 servers. The customer has 100 Cisco® UCS servers to manage. (Services part numbers will be displayed when you order the product.)

Required

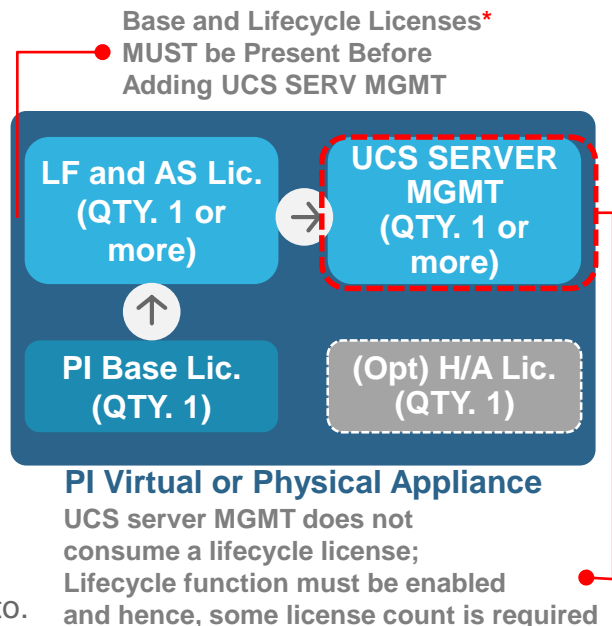
1. Start with **TOP-LEVEL** part number **R-MGMT3X-N-K9** (QTY = 1).
2. Select **UCS SERVER MGMT** license part number(s): PI-SERV-UCS-K9 (Qty = N).
The **QTY** depends on the number of Cisco UCS servers managed.
3. Select **UCS VM MGMT** license part number(s): PI-SERV-VM-K9 (Qty = N).
The **QTY** depends on the number of Cisco UCS servers with VM Load.

Optional

1. Order **additional services** (a 1-year mandatory services contract is attached).

[Example BoM #6](#) is shown in the next slide
For a full list of SKUs refer to [Appendix D-E](#)

* Lifecycle licenses are required to manage switches that UCS servers connect to.



Adding Cisco UCS Server and VM Management to Existing PI 3.0 Servers (2 of 2)

Example BoM #6: Customer wants to add a Cisco UCS® Server Management License to its existing PI servers. The customer has 100 Cisco® UCS servers to manage. (Services part numbers will be displayed when you order the product.)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number					
R-MGMT3X-N-K9	Cisco Ent MGMT: Lic For PI 3.x And APIC EM Fnd Apps	1	N/A		1
UCS Server Management License Options					
PI-SERV-UCS-K9	Cisco Prime™ Infrastructure 2.X, UCS Server Management License	100			100
UCS Server Management License Options					
PI-VM-UCS-K9	Cisco Prime Infrastructure - UCS VM Management - 1 Srv	100			100

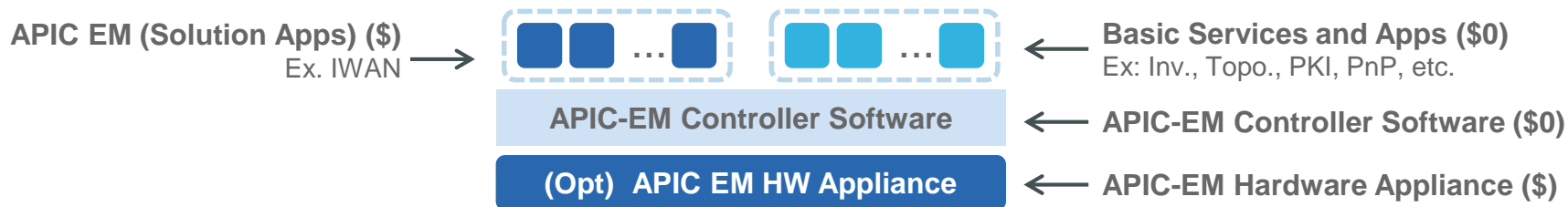


The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.



Purchasing APIC-EM Controller Software and Solution Apps Licenses (IWAN and other Cisco developed apps)

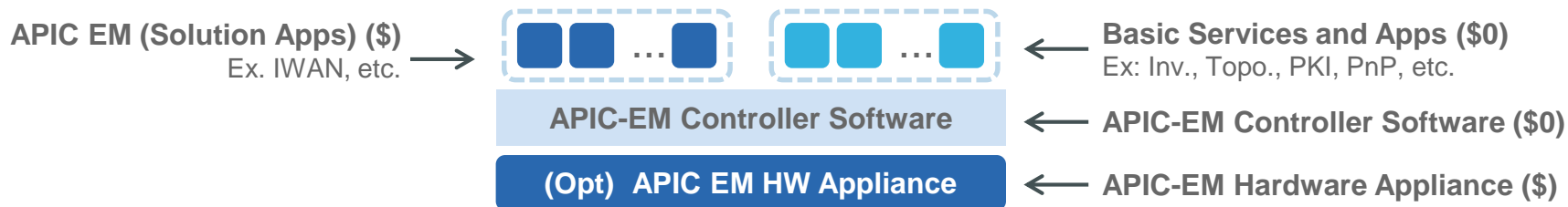
APIC EM Controller and Apps – Product Licensing



- **APIC-EM Controller Software and Basic Apps** (PnP, PKI, Inventory, Topology, etc.)
 - Offered at no cost
 - Customers can download the APIC-EM controller software (ISO Image) and run it on bare-metal Cisco UCS® servers or run this ISO image on a VM in a ESXi environment. In both cases, customers need to ensure the required CPU, memory, and storage resources are available.
- **Per-Device Licenses to Run Solution Apps** (IWAN app and similar Cisco developed solution apps*)
 - Can be acquired by purchasing Cisco® Enterprise Management 3.X device licenses
 - APIC-EM Solutions Apps licenses can only be purchased by purchasing Enterprise MGMT 3.x licenses, which also gives the customer Cisco Prime™ Infrastructure licenses
 - The process for acquiring Prime Infrastructure 3.0 device licenses is explained in this document. The same process will also provide customers with right-to-use (RTU) licenses for APIC-EM Solution Apps

* Customers with a valid support contract (SWSS) will have access to solution apps that are released from time to time. Customers without a valid support contract can purchase the contract or purchase MGMT 3.x upgrade SKUs (as applicable) to get entitlement to the new apps.

APIC EM Controller and Apps - Technical Support



APIC EM UCS Appliance (if applicable)

- Hardware support through Cisco SMARTnet® Service

APIC EM Controller, Basic Apps and Services (PnP, Topology, PKI), Current IWAN App, API Performance, and Core Syntax

- Cisco® TAC support offered at no additional cost if the customer has SMARTnet on any Cisco networking device

APIC-EM Solution Apps (for example, a future IWAN App or other Cisco developed apps)

- TAC support offered at no additional cost if the customer has SWSS (maintenance contract) on MGMT 3.X device licenses

App Developer Support/Programmer Assistance Services

- Available through the DevNet community at no cost; paid services are available for live support

Deploying APIC-EM Physical Appliance (1 of 2)

Use case: Customer wants to deploy APIC-EM Controller Software on a physical appliance.
(Services part numbers will be displayed when you order the product.)

Required*

1. Start with the **TOP-LEVEL** part number: **APIC-EM-APL-R-K9 (QTY. = N)**
(N = Number of PI server instances that you plan to deploy; N = 1)
If you want to deploy APIC-EM in a high-availability configuration, order one pair of appliances for each instance.
2. Select the appliance **SOFTWARE** part number: **PI-UCS-APL-IMG-3.0 (QTY. = 1)**
If this selection is not available, go to the cisco.com download site to download an image and follow the instructions to install this image on the appliance.

[Example BoM \(Click here\)](#)

Deploying APIC-EM Physical Appliance (2 of 2)

Example BoM : Customer wants to deploy APIC-EM Controller Software on a physical appliance.
(Services part numbers will be displayed when you order the product.)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Physical Appliance					
APIC-EM-APL-R-K9	Cisco APIC EM Controller Appliance 10C-64G-2T	1			1
APIC EM Appliance Software Options					
APIC-EM-SW-K9	Cisco APIC-EM Controller Software	1			1

**If you will deploy APIC-EM in high availability and scale-out architecture, you will need to purchase and deploy 3 servers.

APIC-EM Controller SW and Device Licenses are RTU and there are no license files to apply



Purchasing Cisco Prime Infrastructure Operations Center

Purchasing Cisco Prime Infrastructure 3.0 Operations Center* (1 of 2)

Example BoM #7: Customer has deployed multiple instances of Cisco Prime™ Infrastructure 2.1, 2.2, and 3.0, and wants to deploy a Cisco® Prime Infrastructure Operations Center to manage those PI instances centrally. (Services part numbers will be displayed when you order the product.)

Required

1. Start with **TOP-LEVEL** part number: **R-MGMT3X-N-K9** (QTY. = 1)
2. Select **SOFTWARE*** part number **R-PI30-SW-K9** (QTY. = 1)
3. Select the **OPER CNTR BASE LICENSE** part number: **L-MGMT3X-OC-B** (QTY. = 1)
4. Select **OPER CNTR SERVER LICENSE** part number: **L-MGMT3X-OPRCTR-1** (QTY. = n) (The quantity and type depend on the number of PI instances.)

Optional

1. Order **additional services** (A 1-year mandatory services contract is attached.)

**PI Operations Center
Device License
(QTY. 1 or more)**



**PI Oper Cntr
Base Lic (QTY 1)**

PI Virtual or Physical Appliance

[Example BoM #7](#)

For a full list of SKUs refer to
[Appendix D-E](#)

* Software download and installation instructions

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&relind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Purchasing Cisco Prime Infrastructure 3.0 Operations Center (2 of 2)

Example BoM

Example BoM #7: Customer has deployed multiple instances of Cisco Prime™ Infrastructure 2.1, 2.2, and 3.0, and wants to deploy a Cisco® Prime Infrastructure Operations Center to manage those PI instances centrally. (Services part numbers will be displayed when you order the product.)

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number					
R-MGMT3X-N-K9	Cisco Ent MGMT: Lic For PI 3.x And APIC EM Fnd Apps	1	N/A		1
Deploying Operations Center in a Virtual Appliance					
R-PI30-SW-K9	Prime Infrastructure 3.0 Software	1			1
Base License					
L-MGMT3X-OPRCTR-B	Cisco Ent MGMT: PI 3.x Oper Cntr, BASE Lic	1			1
Operations Center Server License Options					
L-MGMT3X-OPRCTR-1	Cisco Ent MGMT: PI 3.x Oper Cntr, 1 Srv Lic	1-10			1-10

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Physical Appliance (Gen 2)					
PI-UCS-APL-K9	Prime Infrastructure UCS® Hardware Appliance (Gen 2)	1	CON-SNT-UCSAPL9	SMARTnet® 8X5XNBD Cisco Prime UCS HW	1
Prime Infrastructure 3.x Generation 2 Appliance Software Options					
PI-UCS-APL-IMG-3.0	Cisco Prime Infrastructure 3.0 UCS Appliance Software ISO	1			1

The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.



Upgrading from Cisco Prime Infrastructure 2.2 to PI 3.0 (the latest release)

Upgrading from Legacy to PI 3.0 (Summary)

Product	Version	Support-Contract	Upgrade first to PI 2.2
LMS	3.x and earlier	Valid	Buy UPG SKUs w/ SWSS on UPG SKUs
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	4.0 and 4.1	Valid	Upgrade via PUT, Buy SWSS on UPG SKUs
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	4.2	Valid	Refer to LMS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
		None/Expired	Refer to LMS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
WCS	7.0 and earlier	Valid	Upgrade via PUT, Buy SWSS on UPG SKUs
		None/Expired	Refer to WCS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
NCS	1.0 and 1.1	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
PI	1.x	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	2.x	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs

****Software download and installation instructions

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&relind=AVAILABLE&relifecycle=&reltype=latest>
http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

The NCS 1.0, PI 1.x, and PI 2.x licenses all work on Prime™ Infrastructure 3.0. License files are located in the `/opt/CSCOlumos/licenses` directory on your system.

NCS WAN 1.1: Router management functionality in PI 1.1 was incorporated into PI 1.x after PI 1.2 and there is no requirement to upgrade from NCS WAN 1.1 to later revisions; **PAM 1.x:** There is no upgrade path from Prime Assurance Manager

Upgrading from PI 2.2.x to PI 3.0 (1 of 1)

(For Customers with a Valid Support Contract*)



Customer Segment

Customers **with valid services contracts***
No additional license purchase is required**
No license PAKs are required**

Existing PI 2.2.x



PI 3.0

FCS August 2015

After upgrading to PI 2.2.x,
customers can
download PI 3.0****
(ISO, OVA, or UPG Image)
and follow instructions**** to
upgrade to PI 3.0

*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x/PI 2.x) to PI 3.0 if they do not need to migrate data

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x/PI 1.x/PI 2.x to PI 2.2

If the customer is doing a **fresh installation** of PI 3.0, they can copy the licenses from legacy systems and install them on PI 3.x (re-host NOT required)
The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0. License files are located in the `/opt/CSCOlumos/licenses` directory on your system.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&relind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html



Upgrading from Legacy (NCS 1.0, PI 1.x, 2.x) to Prime Infrastructure 2.2, Then to PI 3.0 (the latest release)

Upgrading from NCS 1.x , PI 1.x, PI 2.x (1 of 2)

(For Customers with a Valid Support Contract*)



Customer Segment

Customers with valid services contracts*

No additional license purchase is required, No license PAKs are required**

After upgrading to PI 2.2.x, customers can download PI 3.0**** (ISO, OVA, or UPG Image) and follow instructions**** to upgrade to PI 3.0



*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x, PI 2.x) to PI 3.0 if they do not need to migrate date

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x, PI 1.x, and PI 2.x to PI 2.2

If the customer is doing a **fresh installation** of PI 3.0, then they can copy the licenses from legacy systems and install them on PI 3.x (re-host NOT required)
The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0. License files are located in the `/opt/CSCOLumos/licenses` directory on your system.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Upgrading from NCS 1.x , PI 1.x, PI 2.x (1 of 2)

(For Customers **without** a Valid Support Contract*)



Customer Segment

Customers **without valid services contracts***

Purchase PI 1.X/2.X to 3.x Upgrade licenses. No license PAKs are required.**

After upgrading to PI 2.2.x, customers can download PI 3.0**** (ISO, OVA, or UPG Image) and follow instructions**** to upgrade to PI 3.0



*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x, PI 2.x) to PI 3.0 if they do not need to migrate data

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x/PI 1.x/PI 2.x to PI 2.2

If the customer is doing a **fresh install** of PI 3.0, then they can copy the licenses from legacy systems and install them on PI 3.x (Re-host NOT reqd.)
The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0. License files are located in the `/opt/CSCOLumos/licenses` directory on your system.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html



Upgrading from a Generation 1 to Generation 2 Cisco Prime Infrastructure Physical Appliance

Prime Infrastructure 3.0 Physical Appliance

Physical Appliance Generation 1 Compared to Generation 2*

ISO Image Available Today		ISO Image Available Q1 2015	
<p>Generation 1 PRIME-NCS-APL-K9 2.4 GHz, Intel E5620</p>	<p>8 cores</p> <p>16 GB</p> <p>4 x 300 GB</p> <p>RAID 5</p>	<p>10 cores</p> <p>64 GB</p> <p>4 x 900 GB</p> <p>RAID 10</p>	<p>Generation 2 PI-UCS-APL-K9 UCSC-C220-M4S 2.30 GHz E5-2650 v3/105 W 10C/25 MB Cache/DDR4 2133 MHz</p>
1 RU, dual power supply, hot-swappable HDD	CPU MEM HDD RAID	CPU MEM HDD RAID	1 RU, dual power supply, hot-swappable HDD

Gen 1 Appliance Scale		Gen 2 Appliance Scale	
5000	Max unified APs	20,000	
3000	Max autonomous APs	3000	
500	Max WLAN controllers	1000	
6000	Max wired (switches, routers)	13,000	
10	Max MSE	12	
500	NAMs	1000	
10,000	Max number of devices (combination of wired, wireless)	20,000	

* PI 3.0 software support is not available for the Gen 1 phys. appliance at FCS. Subsequent versions of PI 3.x will be supported on the Gen 1 phys. appliance.

Upgrading from Generation 1 to Generation 2 Prime Infrastructure Physical Appliance (1 of 2)

Example BoM #10: A customer with a Cisco® NCS generation-1 physical appliance (PRIME-NCS-APL-K9) wants to upgrade to a generation-2 physical appliance.

Required

1. Start with the **TOP-LEVEL UPG** part number: **PI-UCS-APL-U-K9 (QTY. = N)**
(N = Number of Cisco Prime® Infrastructure server instances that you plan to deploy)
If you are deploying high availability (HA), then order one pair of appliances for each instance.
2. Select the appliance **SOFTWARE** part number: **PI-UCS-APL-IMG-3.0 (QTY. = 1)**
If this selection is not available, go to the cisco.com download site to download the image and follow the instructions to install this image on the appliance.

An example bill of materials (BoM) is shown in the next slide.

For a full list of SKUs refer to [Appendix D-E](#)

Upgrading from Generation 1 to Generation 2 Prime Infrastructure Physical Appliance (2 of 2)

Example BoM #10: A customer with a Cisco® NCS generation-1 physical appliance (PRIME-NCS-APL-K9) wants to upgrade to a generation-2 physical appliance.

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Physical Appliance Upgrade (Gen 1 to Gen2)					
PI-UCS-APL-U-K9	Cisco Prime™ Physical Appliance Upgrade (Generation 1 to Generation 2)	1	CON-SNT-UCSAPL9	SMARTnet® 8X5XNBD Cisco Prime UCS HW	1
Prime Infrastructure 3.x Generation 2 Appliance Software Options					
PI-UCS-APL-IMG-3.0	Cisco Prime Infrastructure 3.0 UCS Appliance Software ISO	1			1

**If you plan to deploy Prime Infrastructure in high availability you will need to purchase two servers.
High-availability deployments require that both primary and secondary appliances be identical (PHY/PHY, VM/VM, Gen2/Gen2, PI ver x/ver x)

The services part number and description cells are left blank since the content will vary depending on the type of services SKU and duration of service you select.



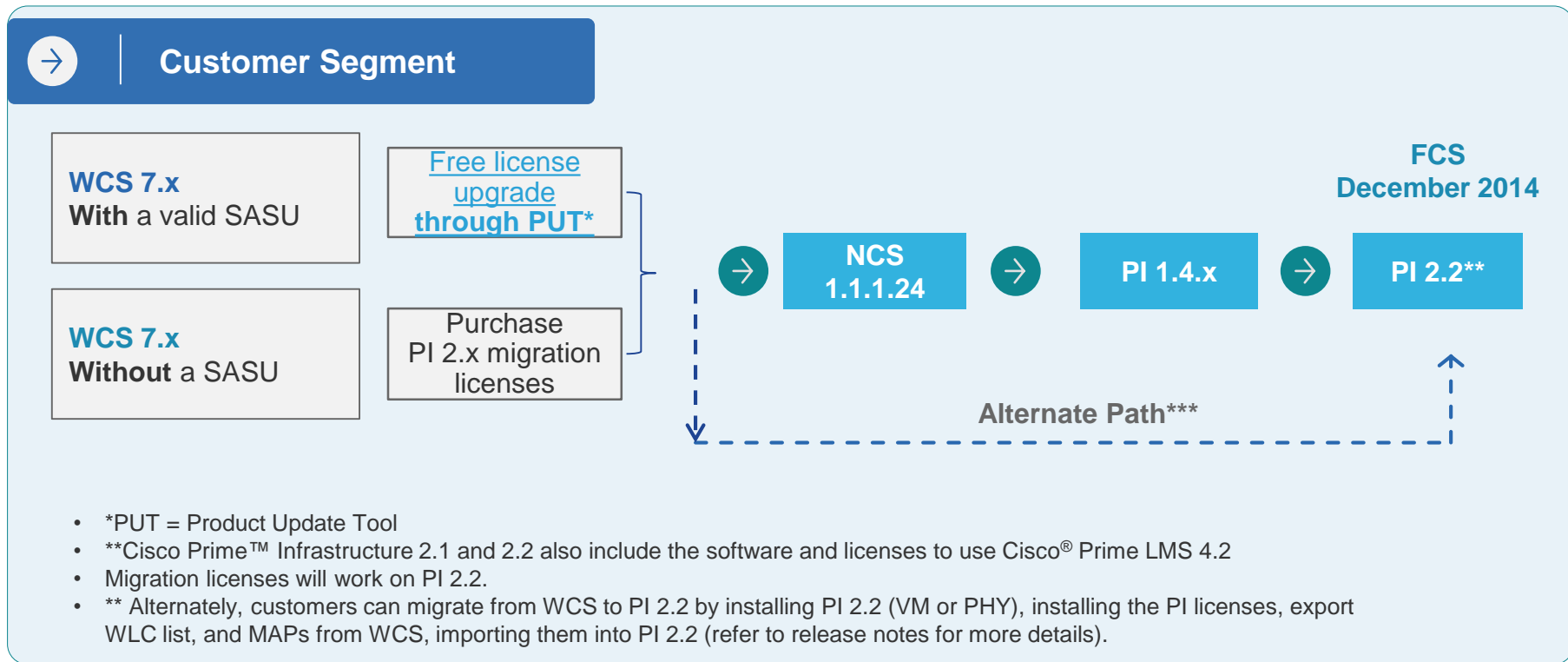
Part 2

Migrating from Legacy Products (WCS, LMS) to Cisco Prime Infrastructure 2.x



Migrating from WCS to Cisco Prime Infrastructure 2.x

Migrating from Legacy WCS



Migrating from WCS to PI 2.x

Eligible and Non-Eligible WCS Device Part Numbers

WCS Part Numbers **ARE** Eligible for Migration to PI 2.x

WCS-ENT-PLUS-K9 (Enterprise Plus Licenses for large-scale deployments)	
Part Number	SAU Part Number
WCS-ENT-PLUS-1000	CON-SAU-WENTP1K
WCS-ENT-PLUS-2500	CON-SAU-WENTP2K
WCS-ENT-PLUS-10000	CON-SAU-WENTP10K
WCS-ENT-PLUS-50000	CON-SAU-WENTP50K

WCS-STANDARD-K9 (Cisco WCS Base License for <NNN> APs, Windows/Linux)	
Cisco WCS with Plus License for mobility services enablement and high availability for <NN>APs, Windows/Linux	
Part Number	SAU Part Number
WCS-PLUS-50	CON-SAU-WCSP50
WCS-PLUS-100	CON-SAU-WCSP100
WCS-PLUS-500	CON-SAU-WCSP500

WCS-STANDARD-K9 (Cisco® WCS Base License for <NNN> APs, Windows/Linux)	
Cisco WCS Base License for <NNN> APs, Windows/Linux	
Part Number	SAU Part Number
WCS-APBASE-50	CON-SAU-WCSAB50
WCS-APBASE-100	CON-SAU-WCSAB1C
WCS-APBASE-500	CON-SAU-WCSAB5C

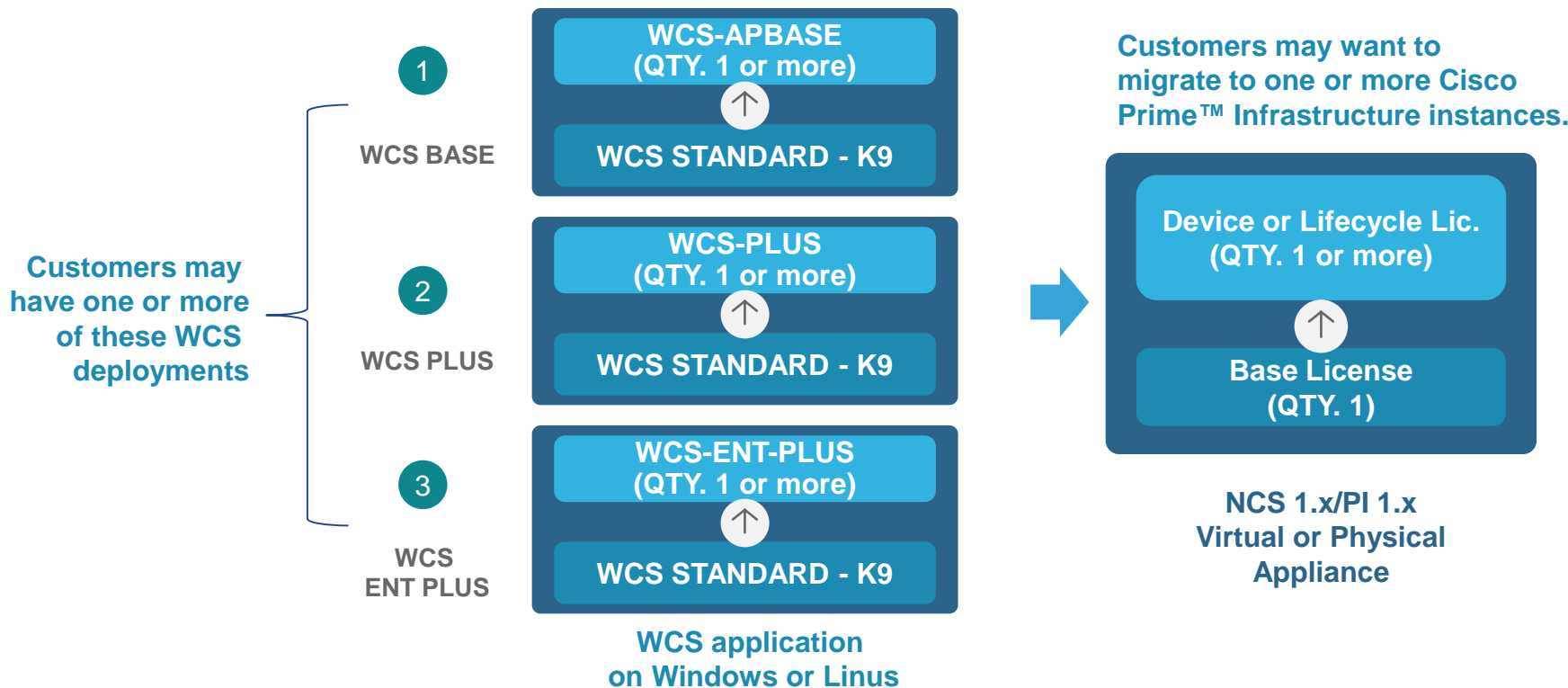
WCS-NAV-K9 (family SKU for WCS Navigator License products)	
Part Number	SAU Part Number
WCS-NAV-20 (WCS Navigator for 20 WCSs)	CON-SAU-WCSNAV20

WCS SKUs **NOT** Eligible for Migration (these part numbers have been EoS/EoL'ed)

Part Numbers	Description	EoL/EoS
WCS-APLOC-xxxx (xxxx = 50, 100, 500, 1000, 2500)	Option of WCS-Standard-K9 500 AP location. License only	February 28, 2013
AIR-WCS-LL-S-UG-K9	Cisco® WCS Base to Location Site License upgrade, Linux	February 28, 2013
WCS-APLOC-UPG-xxxx (xxxx = 50, 100, 500, 1000, 2500)	Upgrade WCS 100 AP to location	February 28, 2013
WCS-ENT-xxxxx (xxxxx = 1000, 2500, 10000, 50000)	Enterprise License with location for xxxx APs	February 28, 2013
WCS-ENT-K9	Family SKU for WCS Enterprise	February 28, 2013
WCS-WLSE-APL-xxxx(xxxxx = 50, 100, 500, 1000, 2500)	Option WLSE to WCS xxxx APs	February 28, 2013

Licensing Models

Wireless Control System (WCS) Compared to Cisco Prime Infrastructure



Migrating from WCS to Prime Infrastructure 2.x

WCS to PI 2.x Migration Scenarios

→ [Click here](#)

One-to-One Migration



- Customer has a single WCS server and wants to upgrade to a single Cisco Prime™ Infrastructure server, a physical appliance, and high availability.

→ [Click here](#)

Many-to-Many Migration (no consolidation)



- Customer has two WCS servers and wants to upgrade to two Cisco® Prime Infrastructure servers, a virtual appliance, but no high availability.

→ [Click here](#)

Many-to-One Migration (with consolidation)



- Customer has two WCS servers and wants to consolidate and upgrade to a single Prime Infrastructure server, a virtual appliance, but no high availability.

One-to-One Migration of WCS to PI 2.x (1 of 4)

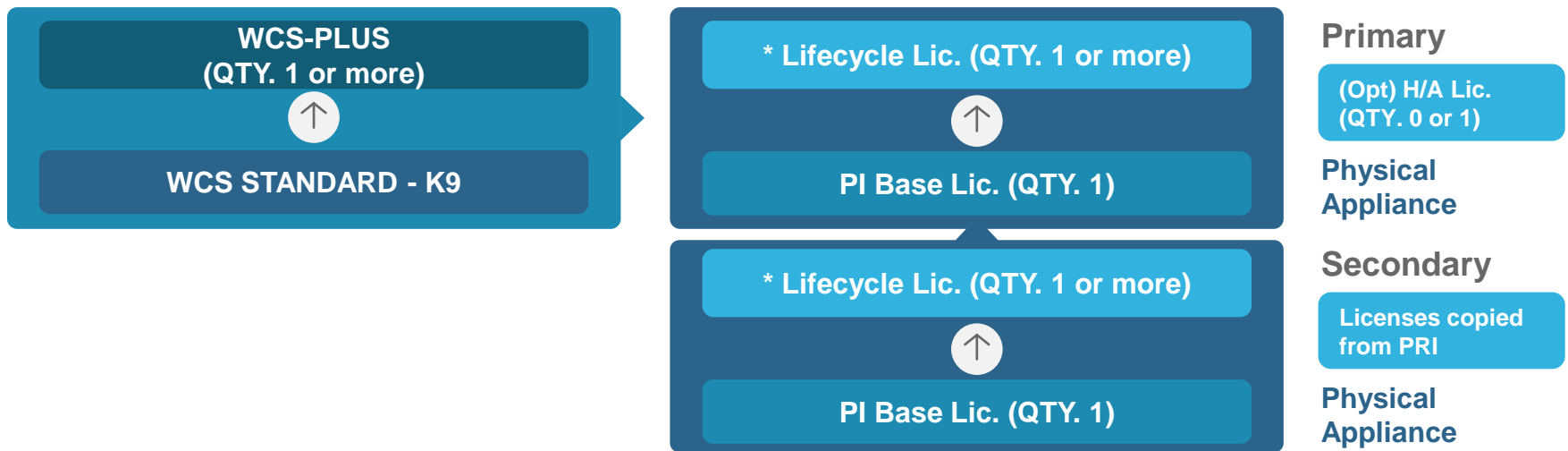
Taking License Inventory

Use case:

Customer has a single WCS server managing 2400 devices, and the following WCS licenses:

- WCS-PLUS-100 (Qty. 4) = 400 device licenses
- WCS-PLUS-500 (Qty. 4) = 2000 device licenses

Customer wants to migrate its single WCS instance to one Prime™ Infrastructure 2.x server on a physical appliance with high availability. In this case, the customer needs to order the following licenses:



One-to-One Migration of WCS to PI 2.x (2 of 4)

Identifying Migration Part Numbers

Use case:

Customer has a single WCS server managing 2400 devices, and the following WCS licenses:

- WCS-PLUS-100 (Qty. 4) = 400 device licenses
- WCS-PLUS-500 (Qty. 4) = 2000 device licenses

Customer wants to migrate its single WCS instance to one Prime™ Infrastructure 2.x server on a physical appliance with high availability. In this case, the customer needs to order the following licenses:

Required

1. Start with **TOP-LEVEL** WCS to PI 2.x migration part number: **R-W-PI2X-U-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-PI2X-BASE** (QTY. = 1)
3. Select the **SOFTWARE** part number: **R-PI22-SW-K9** (QTY. = 1)
4. Select the **HIGH AVAILABILITY** part number: **L-PI2X-HA** (QTY. = 1)
5. To order a physical appliance, start with and select **TOP-LEVEL** part number: **PI-UCS-APL-K9** (QTY. = 2)
6. Select appliance **SOFTWARE** part number: **PI-UCS-IMAGE-2.2** (QTY. = 1)

Then purchase migration licenses totaling 2400 device licenses

1. Select migration license part number(s): L-W-PI2X-xxx-U
 - a. L-W-PI2X-1K-U (QTY. = 2)
 - b. L-W-PI2X-100-U (QTY. = 4)

One-to-One Migration of WCS to PI 2.x (3 of 4)

Example BoM Contd.

Use case:

Customer has a single WCS server managing 2400 devices, and the following WCS licenses:

- WCS-PLUS-100 (Qty. 4) = 400 device licenses
- WCS-PLUS-500 (Qty. 4) = 2000 device licenses

Customer wants to migrate its single WCS instance to one Prime™ Infrastructure 2.x server on a physical appliance with high availability. In this case, the customer needs to order the following licenses:

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Upgrade Part Numbers for Existing Cisco WCS Customers					
R-W-PI2X-U-K9	WCS to Cisco® Prime Infrastructure 2.x Upgrade	1			1
Base License					
L-PI2X-BASE	Cisco Prime Infrastructure 2.x Base License	1	CON-ECMU-PI2XBASE	SWSS UPGRADES Prime Infrastructure 2.x Base License	1
Prime Infrastructure 2.x Software Options					
R-PI22-SW-K9*	Cisco Prime Infrastructure 2.2 Software	1	CON-ECMU-PI22SW	SWSS UPGRADES Prime Infrastructure 2.2 Software	1
Prime Infrastructure 2.x High Availability (RTU)					
L-PI2X-HA	Prime Infrastructure 2.x - High Availability RTU	1	CON-ECMU-PI2XHA	SWSS UPGRADES PI 2.x - High Availability RTU	1
Lifecycle Device Licenses					
L-W-PI2X-100-U	WCS to Prime Infrastructure 2.x Upgrade 100 Devices	4	CON-ECMU-PI2XLF1H	SWSS UPGRADES PI 2.x - Lifecycle - 100 Device License	4
L-W-PI2X-1K-U	WCS to Prime Infrastructure 2.x Upgrade 1000 Devices	1	CON-ECMU-PI2XLF1K	SWSS UPGRADES PI 2.x - Lifecycle - 1000 Device License	1

One-to-One Migration of WCS to PI 2.x (4 of 4)

Example BoM

Example BoM 12b: (Optional; only necessary when deploying Prime™ Infrastructure on a physical appliance)
 For ordering a physical appliance (Generation 2)*:

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Physical Appliance (Generation 2)					
PI-UCS-APL-K9*	Prime Infrastructure UCS® Hardware Appliance (Gen 2)	1*	CON-SNT-UCSAPL9	SMARTnet® 8X5XNBD Cisco Prime UCS HW	2
Prime Infrastructure 2.x Gen 2 Appliance Software Options					
PI-UCS-IMAGE-2.2	Cisco® Prime Infrastructure 2.2 Appliance Software (Gen 2)	1	N/A	N/A	

*Note: Generation-2 physical appliances are expected to be available in Q1CY2015.
 If you want to use a generation-1 physical appliance start with the top-level part number, PRIME-NCS-APL-K9.

Many-to-Many Migration of WCS to PI 2.x (1 of 2)

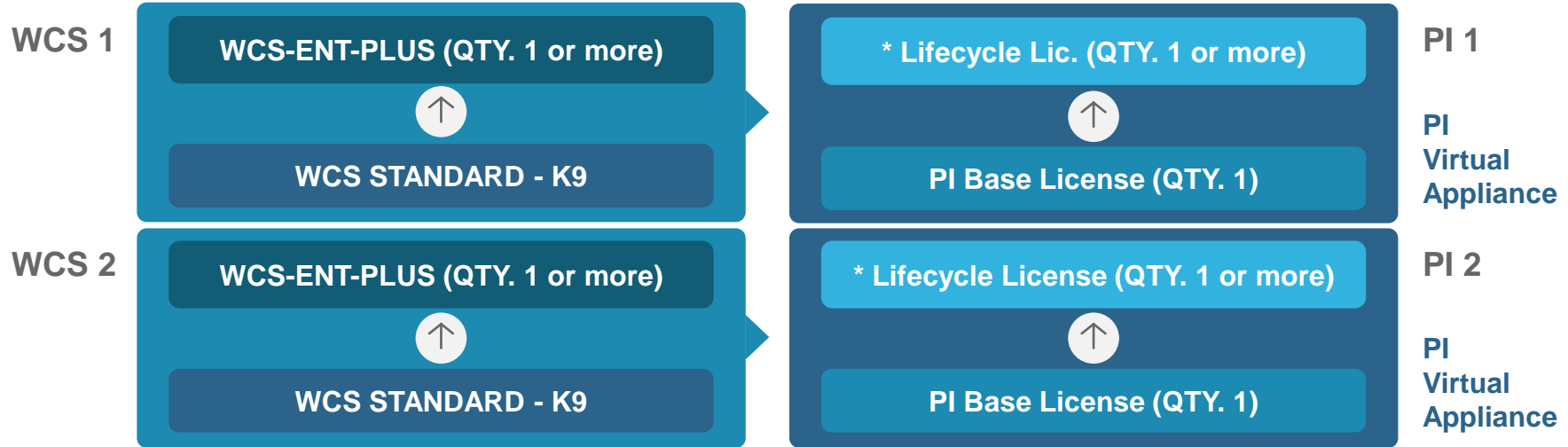
Inventory of Existing WCS Licenses

Use case:

Customer has two WCS servers managing 4500 devices.

- WCS 1: WCS-ENT-PLUS-1000 (qty 2): A total of 2000 devices license for managing a network in the AMERICAS region
- WCS 2: WCS-ENT-PLUS-2500 (qty 1): A total of 2500 devices license for managing a network in ASIA, EUROPE, etc.

Customer wants to purchase two Prime™ Infrastructure servers and migrate the WCS instances to these two separate instances. Customer wants to deploy this in virtual appliances without high availability.



Many-to-Many Migration of WCS to PI 2.x (2 of 2)

Identify Migration Part Numbers

Use case:

Customer has two WCS servers managing 4500 devices.

- WCS 1: WCS-ENT-PLUS-1000 (qty 2): A total of 2000 devices license for managing a network in the AMERICAS region
- WCS 2: WCS-ENT-PLUS-2500 (qty 1): A total of 2500 devices license for managing a network in ASIA

Customer wants to purchase two Prime™ Infrastructure servers and migrate the WCS instances to these two separate instances. Customer wants to deploy this in virtual appliances without high availability.

For PI Instance #1



Required

1. Start with **TOP-LEVEL** WCS to PI 2.x migration part number: **R-W-PI2X-U-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-PI2X-BASE** (QTY. = 1)
3. Select the **SOFTWARE** part number **R-PI22-SW-K9** (QTY. = 1)

Then purchase migration licenses totaling a 2000 devices license

1. Select Migration License part number(s):
L-W-PI2X-xxx-U
 - a. L-W-PI2X-1K-U (QTY. = 2)

For PI Instance #2



Required

1. Start with **TOP-LEVEL** WCS to PI 2.x migration part number: **R-W-PI2X-U-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-PI2X-BASE** (QTY. = 1)
3. Select the **SOFTWARE** part number: **R-PI22-SW-K9** (QTY. = 1)

Then purchase migration licenses totaling a 2500 devices license

1. Select Migration License part number(s):
L-W-PI2X-xxx-U
 - a. L-W-PI2X-2.5K-U (QTY. = 1)

Many-to-One Migration of WCS to PI 2.x (1 of 2)

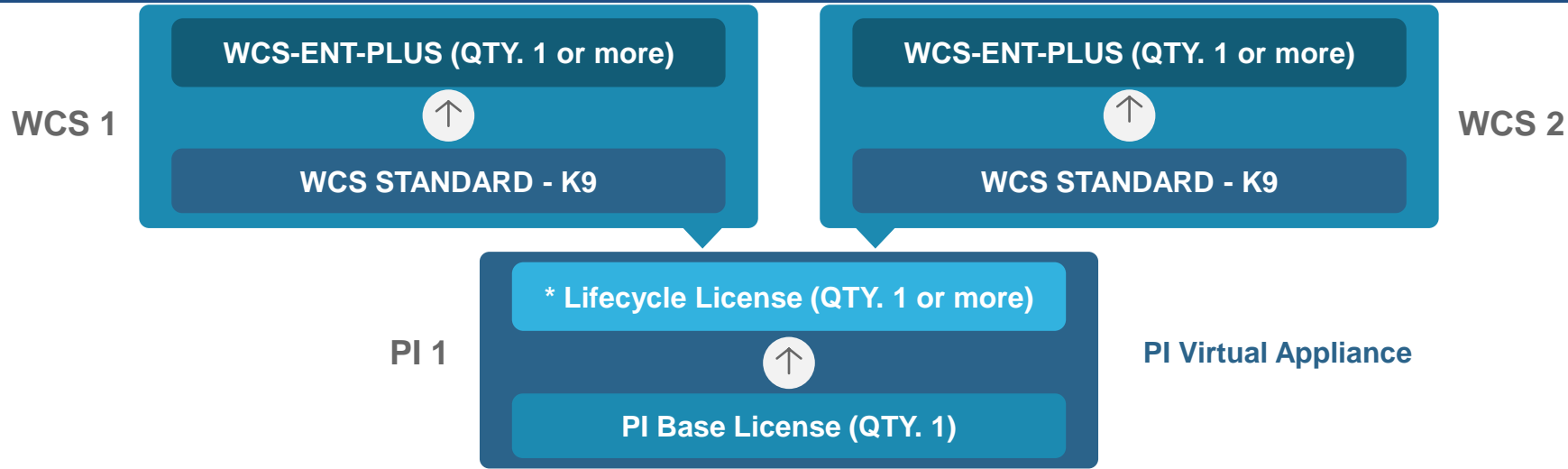
Inventory of Existing WCS Licenses

Example:

Customer has two WCS servers managing 4500 devices.

- WCS 1: WCS-ENT-PLUS-1000 (qty 2): A total of 2000 devices license for managing a network in the Americas Eastern Region
- WCS 2: WCS-ENT-PLUS-2500 (qty 1): A total of 2500 devices license for managing a network in the Americas Western Region

Customer wants to consolidate and deploy only one instance of Prime™ Infrastructure, and migrate the WCS instances to this server. Customer wants to deploy this in virtual appliances without high availability.



Many-to-One Migration of WCS to PI 2.x (2 of 2)

Identify Migration Part Numbers

Example:

Customer has two WCS servers managing 4500 devices.

- WCS 1: WCS-ENT-PLUS-1000 (qty 2): A total of 2000 devices license for managing a network in Americas Eastern region
- WCS 2: WCS-ENT-PLUS-2500 (qty 1): At total of 2500 devices license for managing a network in Americas Western region

Customer wants to consolidate and deploy only one instance of Prime™ Infrastructure, and migrate the WCS instances to this server. Customer wants to deploy this in virtual appliances without high availability.

PI 1 →

Required

1. Start with **TOP-LEVEL** WCS to PI 2.x migration part number: **R-W-PI2X-U-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-PI2X-BASE** (QTY. = 1)
3. Select the **SOFTWARE** part number **R-PI22-SW-K9** (QTY. = 1)

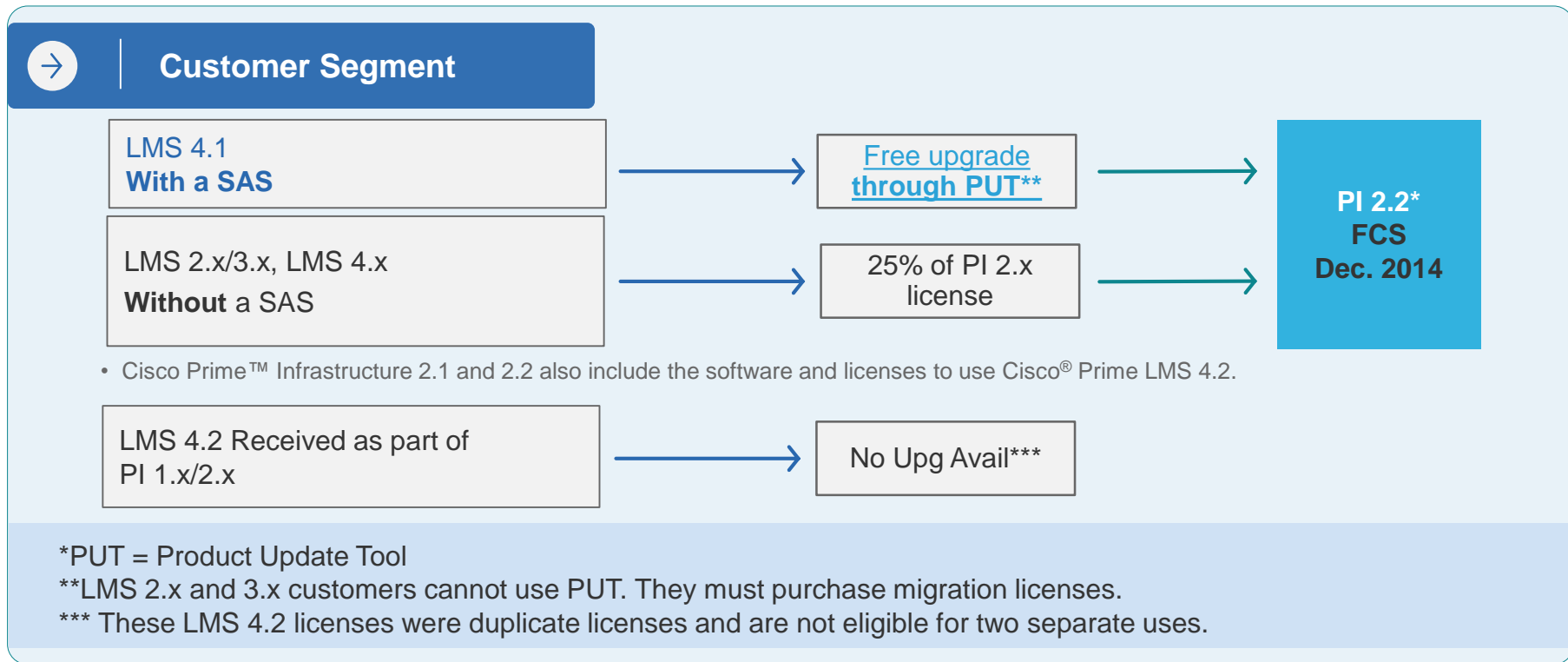
Then purchase migration licenses totaling 4500 devices licenses.

1. Select Migration License part number(s): L-W-PI2X-xxx-U
 - a. L-W-PI2X-1K-U (QTY. = 2)
 - b. L-W-PI2X-2.5K-U (QTY. = 1)



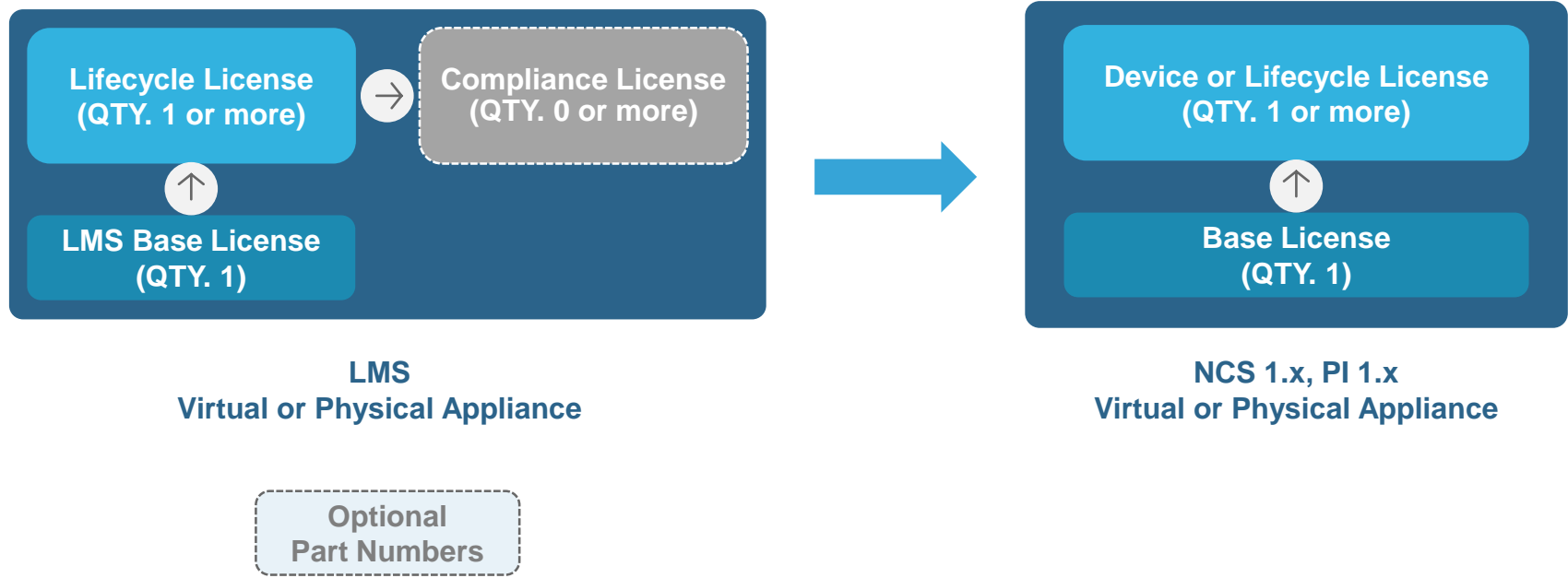
Migrating from LMS to Cisco Prime Infrastructure 2.x

Migrating from Legacy LMS



Licensing Models

LAN Management System (LMS) Comparison with Prime Infrastructure



Customers Migrating from LMS to PI 2.x (1 of 2)

Inventory Existing LMS Licenses and Identify Migration Part Numbers

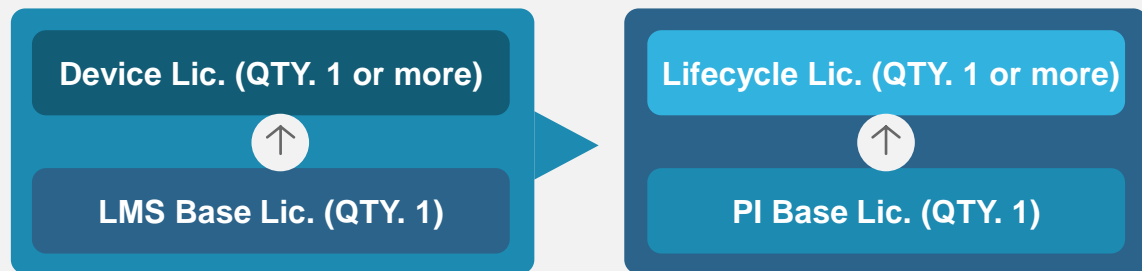
Use case: Customer has a single LMS server with a total of 3600 licenses (1 x 100, 3 x 500, 3 x 1000 device licenses) and wants deploy and migrate to a single Cisco Prime™ Infrastructure Release 2.x. Customer plans to deploy a virtual appliance and does not need high availability.

Required

1. Start with the **TOP-LEVEL** LMS to PI migration part number: **R-L-PI2X-U-K9** (QTY. = 1)
2. Select the **BASE LICENSE** part number: **L-PI2X-BASE** (QTY. = 1)
3. Select the **SOFTWARE** part number **R-PI22-SW-K9** (QTY. = 1)

Then purchase migration licenses totaling 3600 device licenses.

1. Select **LMS to PI MIGRATION LICENSE**_part number(s): **L-L-PI2X-xxx-U**
 - a. L-L-PI2X-100-U (QTY. = 1)
 - b. L-L-PI2X-500-U (QTY. = 1)
 - c. L-L-PI2X-1K-U (QTY. = 3)



Customers Migrating from LMS to PI 2.x (2 of 2)

Example BoM

Example BoM #13: Customer has one or more LMS servers with a total of 6600 licenses (1 x 100, 3 x 500, 3 x 1000 device licenses) and wants to consolidate and migrate to Cisco Prime™ Infrastructure 2.x. Customer plans to deploy a virtual appliance and does not need high availability.

Product Part Number	Description	QTY	Services Part Number	Description	QTY
Top-Level Part Number: Upgrade Part Numbers for Existing Cisco® LMS Customers					
R-L-PI2X-U-K9	LMS to Cisco Prime Infrastructure 2.x Upgrade	1			1
Base License					
L-PI2X-BASE	Prime Infrastructure 2.x Base License	1	CON-ECMU-PI2XBASE	SWSS UPGRADES Prime Infrastructure 2.x Base License	1
Prime Infrastructure 2.x Software Options					
R-PI22-SW-K9*	Cisco Prime Infrastructure 2.2 Software	1	CON-ECMU-PI22SW	SWSS UPGRADES Prime Infrastructure 2.2 Software	1
Device Licenses					
L-L-PI2X-100-U	LMS to Prime Infrastructure 2.x Upgrade 100 Device	1	CON-ECMU-PI2XLF1H	SWSS UPGRADES PI 2.x - Lifecycle - 100 Device License	1
L-L-PI2X-500-U	LMS to Prime Infrastructure 2.x Upgrade 500 Device	3	CON-ECMU-PI2XLF5H	SWSS UPGRADES PI 2.x - Lifecycle - 500 Device License	3
L-L-PI2X-1K-U	LMS to Prime Infrastructure 2.x Upgrade 1000 Device	5	CON-ECMU-PI2XLF1K	SWSS UPGRADES PI 2.x - Lifecycle - 1000 Device License	5



Appendix A

Cisco Prime Infrastructure 3.x

Scale and Sizing Guidelines

Cisco Prime Infrastructure 3.x

Scale and Sizing Guidelines (1 of 2)

Contd.

System Requirements	
Appliance image format	VM ESXi version*
Equivalent PI 1.x	PI 2.x =>
CPU (cores, vCPUs)	Memory
Disk capacity and RAID level	Disk I/O speed
Devices	
Maximum unified AP	Maximum autonomous AP
Maximum WLAN controllers	Maximum wired (switches, routers)
Maximum MSE	NAMs
Maximum number of devices	

Virtual Appliance Options			
OVA	OVA	OVA	OVA
5.1/5.5	5.1/5.5	5.1/5.5	5.1/5.5
Small	Medium	Large	Extra Large
EXP	EXP-PLUS	STD	PRO
4 vCPU	8 vCPU	16 vCPU	16 vCPU
12 GB	16 GB	16 GB	24 GB
300 GB	600 GB	900 GB	1,200 GB
200 MBps	200 MBps	200 MBps	320 MBps
300	2500	5000	20,000
300	500	3000	3000
5	50	500	1000
300	1000	6000	13,000
10	10	10	10
5	5	500	1,000
1000	3000	10,000	20,000

Physical Appliance Options
Bare Metal/ISO
Physical Appliance
Gen 2**
10 C/20 T
64 GB
4 * 900 GB
RAID 10
320 MBps
20,000
3000
1000
13,000
12
1000
20,000

*ESXi 4.x is no longer supported

** PI 3.0 software support is not available for the gen-1 physical appliance at FCS. Subsequent versions of PI 3.x will be supported on the gen 1 physical appliance.

Cisco Prime Infrastructure 3.x

Scale and Sizing Guidelines (2 of 2)

		Virtual Appliance Options				Physical Appliance Options
		OVA	OVA	OVA	OVA	Bare Metal/ISO
		5.1/5.5	5.1/5.5	5.1/5.5	5.1/5.5	
		Small	Medium	Large	Extra Large	Phys Appl
		EXP	EXP-PLUS	STD	PRO	Gen 2
Clients	Wired clients	5,000	50,000	50,000	50,000	50,000
	Wireless clients	5,000	30,000	75,000	200,000	200,000
	Changing clients (every 5 min.)	1000	5000	25,000	40,000	40,000
Monitoring	Events sustained rate (events/sec)	100	100	300	1000	1000
	NetFlow rate (flows/sec)	3000	3000	16,000	80,000	80,000
	Max interfaces	12,000	50,000	250,000	350,000	350,000
	Max NAM data polling enabled	5	5	20	40	40
System	Max number sites/campus	200	500	2500	2500	2500
	Max groups***	50	100	150	150	150
	Max virtual domains	100	500	1200	1200	1200
System Users	Concurrent GUI clients	5	10	25	50	50
	Concurrent API clients	2	2	5	5	5

*ESXi 4.x is no longer supported.

***Max groups: User-defined + out of the box + device groups + port groups)

Prime Infrastructure 3.0 Physical Appliance

Physical Appliance Generation 1 Compared to Generation 2*

ISO Image Available Today

ISO Image Available Q1 2015

Generation 1
PRIME-NCS-APL-K9
2.4 GHz, Intel E5620

1 RU, dual power supply,
hot-swappable HDD

- ◆ 8 cores
- ◆ 16 GB
- ◆ 4 x 300 GB
- ◆ RAID 5

CPU
MEM
HDD
RAID

- ◆ 10 cores
- ◆ 64 GB
- ◆ 4 x 900 GB
- ◆ RAID 10

Generation 2
PI-UCS-APL-K9
UCSC-C220-M4S
2.30 GHz E5-2650
v3/105 W 10C/25 MB
Cache/DDR4 2133 MHz

1 RU, dual power supply,
hot-swappable HDD or SSD

Gen 1 Appliance Scale

Gen 2 Appliance Scale

5000	Max unified APs	20,000
3000	Max autonomous APs	3000
500	Max WLAN controllers	1000
6000	Max wired (switches, routers)	13,000
10	Max MSE	12
500	NAMs	1000
10,000	Max number of devices (combination of wired, wireless)	20,000

* PI 3.0 software support is not available for the gen-1 physical appliance at FCS. Subsequent versions of PI 3.x will be supported on the gen-1 physical appliance.



Appendix B

Cisco Prime Infrastructure 3.x

Licensing Overview

Cisco Prime Infrastructure 3.x (3.0)

Licensing Overview



Cisco Prime™ Infrastructure (PI) provides a single, integrated solution for complete lifecycle management of Cisco® routers, switches, and wireless devices, along with deep visibility into the end-user experience and application performance.



PI 3.0 was released August 31, 2015. Customers are encouraged to deploy this version to get the latest enhancements and continued quality improvements.

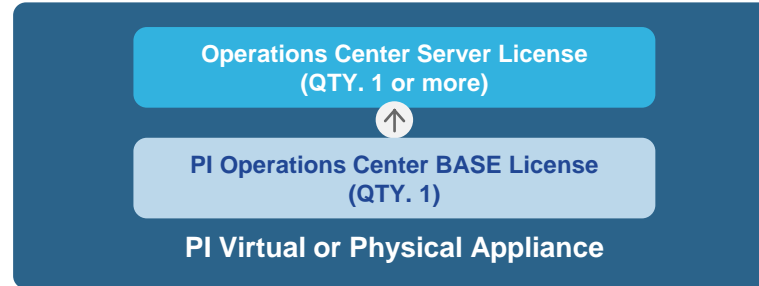
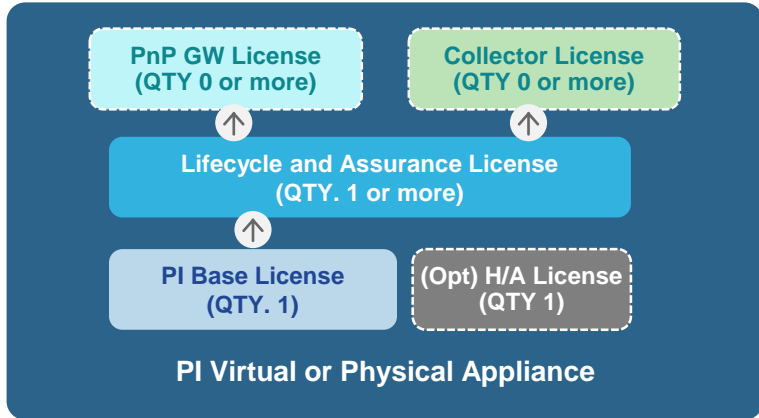
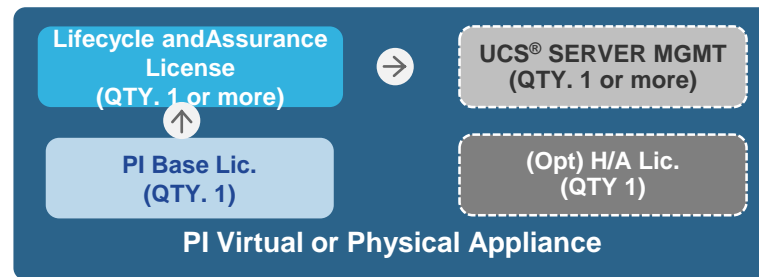
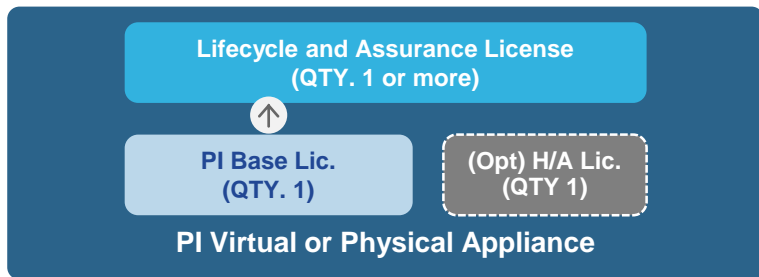
New in Cisco Prime Infrastructure 3.0

Licensing Changes

- Licenses to run Cisco Prime™ Infrastructure 3.x (PI 3.x) and APIC-EM (solution apps such as the Cisco® IWAN app) are now offered under one Cisco Enterprise Management 3.x License.
APIC-EM Solution Apps Licenses are right-to-use (RTU) licenses, and therefore, no license files are involved.
APIC-EM controller software and basic apps and services (PnP, PKI, topology, inventory) are offered free of charge.
- PI 3.0 Lifecycle and Assurance Licenses are now combined into a single Management License.
These licenses are offered on a per-device basis (as in PI 1.x, 2.x) and are NOT node-locked.
They are available in single-device increments (no more PAKs of 25, 50, etc.).
- PI 3.x Licenses are now linked to the category or sub-category of network devices (as in Cisco ONE™ Software).
Examples include L-MGMT3x-LFAS-AP, L-MGMT3x-LFAS-3K, etc.
- Customers **deploying Prime Infrastructure for the first time** should purchase the Cisco Enterprise Management 3.x License as described in this document.
Customers **with valid services contracts** on earlier versions of Prime Infrastructure (PI 2.x, 1.x, NCS 1.x, etc.) can upgrade to PI 3.x License at no additional cost.
Customers without valid services contracts or **with expired services contracts** can purchase PI 1.x and 2.x to 3.x upgrade licenses and then upgrade their PI 1.x or 2.x instance to a PI 3.x instance, as described in this document.
- LMS 4.2 Licenses are no longer bundled with PI 3.0. Customers who need to add LMS licenses can purchase PI 2.2 Licenses.
Customers who want to simultaneously deploy PI 3.0 and LMS 4.2 can purchase PI 2.2 Licenses with a services contract and get LMS 4.2 licenses. Then they can upgrade and install PI 3.0 at no additional cost and use PI 2.2 Licenses.

Licensing Model Overview

Cisco Prime Infrastructure 3.x



Notes:

- One and only one base license is required for each Prime™ Infrastructure management node (physical or virtual appliance)
- A collector license increases a PI node from 20,000 to 80,000 flows per second
- Per-device licenses are available in single-device increments



Appendix C

Upgrading Through the Product Update Tool (PUT)

Product Update Tool (PUT)

- If you have a valid services contract for Cisco® WCS, LMS, NCS 1.x or Cisco Prime™ Infrastructure 1.x you can use the PUT to procure licenses. Access the PUT at <http://tools.cisco.com/gct/Upgrade/jsp/index.jsp>.
- You need to be a registered user with a Cisco.com account and contract entitlement to use this tool.
- If you are unable to access the Product Upgrade Tool, send an email message to cs-support@cisco.com with the keyword PUT-ACCESS in the subject line of the message. Include your cisco.com user ID and applicable contract number.
- Once logged in to the tool, and you enter your contract number(s), navigate through the tool to get your PAKs.

Using the Product Upgrade Tool

- Once you submit an order on the PUT you will receive an email message with the online order ID (UGxxxxxx), which is a confirmation that the order was successfully submitted.
 - If the customer does not receive an online order ID, then the order was not successfully submitted.
 - The email would also include all of the order information (upgrade, QTY, ship-to information, ship-to contact).
- Once the order is booked, another email message will be sent with the applicable SO number and applicable ship-out dates.
- If it is an e-delivery order, then the typical turnaround time is within that same day for the e-delivery email with a download link and license key included. This will happen if there were no other issues with the order (NPH, other types of holds, etc).

Using the Product Upgrade Tool

For Customers with a Valid Service Contract on LMS 4.x, NCS 1.0, or Prime Infrastructure 1.1

The screenshot shows the 'Product Upgrade Tool' page. On the left is a navigation menu with 'HOME', 'HOW TO BUY', and 'Product Upgrade Tool' (highlighted). Under 'Product Upgrade Tool' are links for 'News and Enhancements', 'User Guides', 'Questions and Answers', and 'Glossary'. The main content area is titled 'Start Product Upgrade' and contains the instruction 'Enter Contract number and select method to upgrade'. There is a text input field for the 'Contract Number:' with a blue callout box pointing to it that says 'Enter contract #'. Below the input field are two radio button options: 'Guided' (selected) and 'Advanced'. The 'Guided' option has a description: 'This method provides with step-by-step process to upgrade.' The 'Advanced' option has a description: 'Use this method if you know exactly which upgrade product to order.' Below these options is a 'Continue' button with a blue callout box pointing to it that says 'Use either method'. At the bottom of the main content area, there are links to 'Browse All Upgradable Products' and 'Go to PUT Support - Contact Info' page. A bulleted list follows: 'Issues with Contract Upgrade Entitlements.', 'Support for issues with PUT Tool.', and 'Follow up on Existing Upgrade Orders.' On the right side of the page, there are sections for 'Help | Feedback', 'Related Tools' (with links for 'Customer Service Case Management Tool' and 'Status Tool'), and 'Related Links' (with links for 'How to Buy', 'Contact Cisco Customer Service', and 'Customer Service Contacts').



Go to <http://www.cisco.com/upgrade>

Using the Product Upgrade Tool

The screenshot displays the Cisco Product Upgrade Tool interface. At the top left is the Cisco logo and the title 'Product Upgrade Tool'. On the top right, there are links for 'Help' and 'Feedback'. Below the title is a 'Guided Method' section with a progress bar containing seven steps: 1 Contract Number, 2 Upgrade Selection (highlighted), 3 Upgrade SKU, 4 Upgrade Summary, 5 Shipping Address, 6 Contact Information, and 7 Review & Submit. The main content area is titled 'Select Product Group' and contains three dropdown menus: 'Product Group' with 'CISCO PRIME LMS' selected, 'Current Version' with 'Version 4.X' selected, and 'Upgrade Version' with 'Version4.X' selected. At the bottom right of the form are 'Back' and 'Continue' buttons. At the bottom left, there are links for 'Terms & Conditions', 'Privacy Statement', 'Cookie Policy', and 'Trademarks'.

CISCO Product Upgrade Tool [Help](#) | [Feedback](#)

Guided Method

- 1 Contract Number
- 2 Upgrade Selection**
- 3 Upgrade SKU
- 4 Upgrade Summary
- 5 Shipping Address
- 6 Contact Information
- 7 Review & Submit

Select Product Group

Product Group	Current Version	Upgrade Version
CISCO PRIME LMS	Version 4.X	Version4.X

[Back](#) [Continue](#)

[Terms & Conditions](#) | [Privacy Statement](#) | [Cookie Policy](#) | [Trademarks](#)

→ Upgrade Selection

Using the Product Upgrade Tool

CISCO Product Upgrade Tool [Help](#) | [Feedback](#)

Guided Method

- 1 Contract Number
- 2 Upgrade Selection
- 3 Upgrade SKU**
- 4 Upgrade Summary
- 5 Shipping Address
- 6 Contact Information
- 7 Review & Submi

Add another upgrade or continue to complete your order.

- R-LMS41-10K-MR-K9**
Update LMS 4.0 to 4.1 Base download for 10K devices
- R-PI11-10K-MR-K9=**
LMS 4.x to Prime Infrastructure 1.1 Minor Upg 10K Device
- LMS41-10K-MR-K9**
Update LMS 4.0 to 4.1 Base DVD for 10000 devices

[Add Another Upgrade](#) [Continue](#)

→ Upgrade SKU

Using the Product Upgrade Tool

→ Specify the quantity, then complete shipping address and contact information. Click review, then submit.

CISCO Product Upgrade Tool [Help](#) | [Feedback](#)

Guided Method

1 Contract Number > 2 Upgrade Selection > 3 Upgrade SKU > **4 Upgrade Summary** > 5 Shipping Address > 6 Contact Information > 7 Review & Submit >

Select Delivery Option and enter quantity of product upgrades. Some products are not available for eDelivery.

Product Number	Special Ordering Note	License Key Requested	Delivery Option	Quantity
LMS41-10K-MR-K9 Update LMS 4.0 to 4.1 Base DVD for 10000 devices more..		<input type="radio"/> Single <input type="radio"/> Multiple	<input checked="" type="radio"/> Physical <input type="radio"/> eDelivery	<input type="text"/>
R-LMS41-10K-MR-K9 Update LMS 4.0 to 4.1 Base download for 10K devices more..		<input type="radio"/> Single <input type="radio"/> Multiple	<input type="radio"/> Physical <input checked="" type="radio"/> eDelivery	<input type="text"/>
R-PI11-10K-MR-K9= LMS 4.x to Prime Infrastructure 1.1 Minor Upg 10K Device		<input type="radio"/> Single <input type="radio"/> Multiple	<input type="radio"/> Physical <input checked="" type="radio"/> eDelivery	<input type="text" value="1"/>

Note that the above data is an example. The actual part numbers that the customer is entitled to will appear in the window above.



Appendix D

Complete List of Prime Infrastructure 3.x Product and Services Part Numbers

New Customer Deployments (Greenfield Customer Deployments)



Customer Segment

Customers purchasing Cisco Prime™ Infrastructure for the first time

New Customer Deployment
(Greenfield Deployment)



PI 3.0*

- *For detailed deployment instructions, go to: http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Cisco Prime Infrastructure 3.x

Top-Level Part Numbers (1 of 2)

Product Part Number	Description	Services Part Number
Top-Level Part Number		
R-MGMT3X-N-K9	Cisco® Ent MGMT: Lic for PI 3.x and APIC EM Fnd Apps	N/A

Product Part Number	Description	Services Part Number
Top-Level Part Number: Upgrade Part Numbers for Existing Cisco PI 2.x Customers		
R-P-MGMT3X-U-K9	Cisco Prime™ Infra 1.x/2.x to Cisco Ent MGMT 3.x Upgrade	N/A



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs.
(Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

Top-Level Part Numbers (2 of 2)

Product Part Number	Description	Services Part Number	Description
Top-Level Part Number: Physical Appliance (Gen 2)			
PI-UCS-APL-K9	Prime Infrastructure UCS [®] Hardware Appliance (Gen 2)	CON-SNT-UCSAPL9	SMARTnet [®] 8X5XNBD Cisco [®] Prime UCS HW
Top-Level Part Number: Physical Appliance Upgrade (Gen 1 to Gen 2)			
PI-UCS-APL-U-K9	Cisco Prime [™] Physical Appliance Upgrade (Generation 1 to Generation 2)	CON-SNT-UCSAPL9	SMARTnet 8X5XNBD Cisco Prime UCS HW



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)
 Gen-1 Prime NCS appliance (PRIME-NCS-APL-K9) is end of sale as of May 2015.

APIC EM Appliance SKUs

Top-Level Part Numbers (2 of 2)

Product Part Number	Description	Services Part Number	Description
Top-Level Part Number: Physical Appliance (Gen 2)			
APIC-EM-APL-R-K9	Cisco APIC EM Controller Appliance 10C-64G-2T		
Top-Level Part Number: Physical Appliance Upgrade (Gen 1 to Gen 2)			
APIC-EM-APL-G-K9	Cisco APIC EM Controller Appliance 12C-128G-4T		

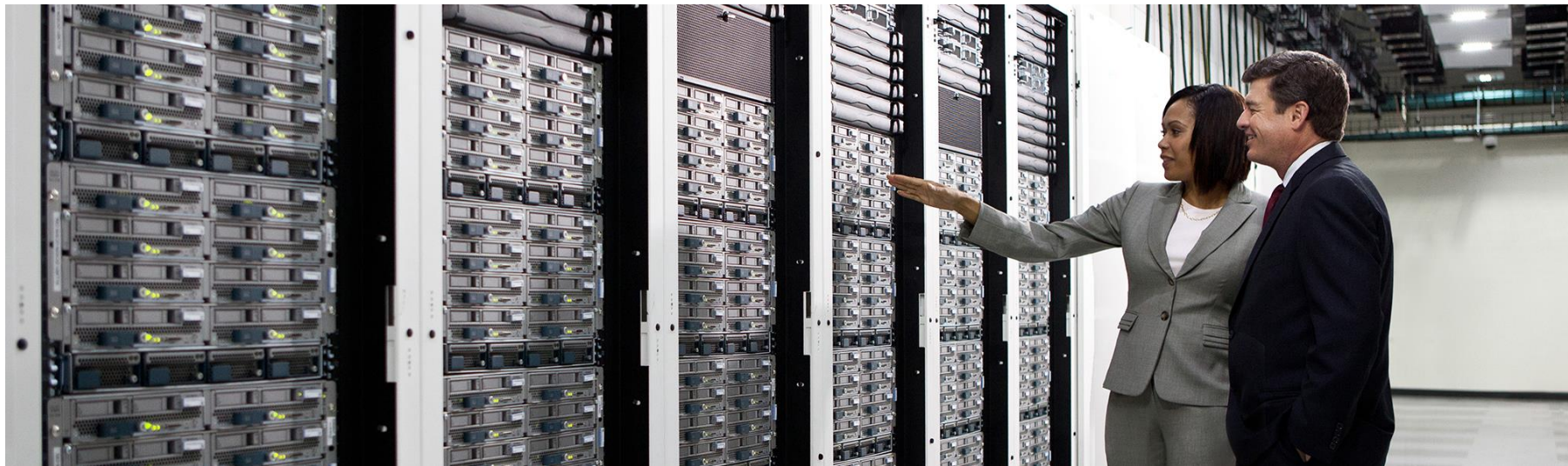


Note: APIC-EM Appliance comes in two flavors. The main difference is that –G appliance has twice as many Cores, Memory and HDD Capacity

Cisco Prime Infrastructure 3.x

Base License Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
Base License			
L-MGMT3X-PI-BASE	Cisco® Ent MGMT: PI 3.x Platform Base License		



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs.
(Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

High-Availability Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
Prime™ Infrastructure 3.x High-Availability License (RTU)			
L-PI3X-HA	Cisco® Prime Infrastructure 3.x - High Availability RTU		



**If you will deploy Prime Infrastructure in high availability you will need to purchase two servers and a high-availability license.

You do NOT need to purchase duplicate device management licenses for the secondary server.

High-availability deployments require that both primary and secondary appliances be identical (PHY/PHY, VM/VM, Gen1/Gen1, PI ver x/ver x)

(Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

Software Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
Prime™ Infrastructure 3.x Software Options			
R-PI30-SW-K9	Cisco® Prime Infrastructure 3.0 Software		

Product Part Number	Description	Services Part Number	Description
Prime Infrastructure 3.x Generation 2 Appliance Software Options			
PI-UCS-APL-IMG-3.0	Cisco Prime Infrastructure 3.0 UCS® Appliance Software ISO	N/A	N/A



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

Media Kit Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number
Prime™ Infrastructure 3.x Physical Media Kit Options		
PI30-MEDIA-K9=	Cisco® Prime Infrastructure 3.0 Physical Media Kit	N/A



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

Lifecycle and Assurance License Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
Lifecycle and Assurance License Options			
L-MGMT3X-AP-K9*	Cisco® Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 AP		
L-MGMT3X-2K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Catalyst® 2K		
L-MGMT3X-3K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 3K		
L-MGMT3X-4K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 4K		
L-MGMT3X-6K-K9	Cisco Ent MGMT: PI 3.x LF,AS and APIC-EM Lic, 1 Cat 6K		
L-MGMT3X-ASR1K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ASR1K		
L-MGMT3X-CSR1-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 CSR1K		
L-MGMT3X-800SR-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 800Ser RTR		
L-MGMT3X-ISR1-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR1K		
L-MGMT3X-ISR2-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR2K		
L-MGMT3X-ISR3-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR3K		
L-MGMT3X-ISR4-K9	Cisco Ent MGMT: PI 3.x LF, AS and APIC-EM Lic, 1 ISR4K		
L-MGMT3X-N2K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus® 2K (FEX)		
L-MGMT3X-N3K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 3K		
L-MGMT3X-N5K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 5K		
L-MGMT3X-N6K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 6K		
L-MGMT3X-N7K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 7K		
L-MGMT3X-N93XX-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 93XX		
L-MGMT3X-N9K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 9K		

**Customers purchasing an access point management license for 2500 or more devices can use L-MGMG3X-AP-HV-K9 (high-volume license).

Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs.

(Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 2.x

* Assurance License Promo Part Numbers (1 of 1) – NODE LOCKED

Product Part Number	Description	Services Part Number*	Description
Top-Level Part Number: Physical Appliance			
R-PI2X-K9	Cisco Prime™ Infrastructure 2.x		
Assurance License Options			
L-PI2X-AS-25-P	Prime Infrastructure 2.x - Assurance - 25 Device Lic (Prom)		
L-PI2X-AS-50-P	Prime Infrastructure 2.x - Assurance - 50 Device Lic (Prom)		
L-PI2X-AS-100-P	Prime Infrastructure 2.x - Assurance - 100 Device Lic (Prom)		
L-PI2X-AS-500-P	Prime Infrastructure 2.x - Assurance - 500 Device Lic (Prom)		
L-PI2X-AS-1K-P	Prime Infrastructure 2.x - Assurance - 1K Device Lic (Prom)		
L-PI2X-AS-2.5K-P	Prime Infrastructure 2.x - Assurance - 2.5K Device Lic (Prom)		
L-PI2X-AS-5K-P	Prime Infrastructure 2.x - Assurance - 5K Device Lic (Prom)		
L-PI2X-AS-10K-P	Prime Infrastructure 2.x - Assurance - 10K Device Lic (Prom)		
L-PI2X-AS-15K-P	Prime Infrastructure 2.x - Assurance - 15K Device Lic (Prom)		

* Customers are encouraged to add Assurance Licenses and match their number with Lifecycle Licenses. In order to make it cost effective, we are offering the above Promotion Part Numbers which are priced at 50% of list of the original Part Numbers

** Services part number entries are left blank since they depend on the customer choice.

Cisco Prime Infrastructure 3.x

Collector License Options

Part Numbers (1 of 1)

Collector License Options	
L-MGMT3X-N-CL	Cisco® Ent MGMT: PI 3.x Collector License, 1 Server



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x Plug-n-Play Gateway Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
PnP Gateway License Options			
L-MGMT3X-GW	Cisco® Ent MGMT: PI 3.x Plug-and-Play Gateway RTU License		



Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 2.x

Operations Center Part Numbers (1 of 1)

Product Part Number	Description	Services Part Number	Description
Top-Level Part Number			
R-MGMT3X-N-K9	Cisco® Ent MGMT: Lic for PI 3.x and APIC EM Fnd Apps	N/A	
Base License			
L-MGMT3X-OPRCTR-B	Cisco Ent MGMT: PI 3.x Oper Cntr, BASE Lic		
Prime Infrastructure 2.x Software Options			
R-PI30-SW-K9	Cisco Prime™ Infrastructure 3.0 Software		
Appliance Software Options (Gen 2)			
PI-UCS-APL-IMG-3.0	Cisco Prime Infrastructure 3.0 UCS Appliance Software ISO (Gen 2)	N/A	
Operations Center Server License Options			
L-MGMT3X-OPRCTR-1	Cisco Ent MGMT: PI 3.x Oper Cntr, 1 Srv Lic		

Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs. (Services part numbers will be displayed when you order the product.)



Appendix E

Complete List of Upgrade and Part Numbers For Customers Upgrading from Cisco PI 2.x

Upgrading from Legacy to PI 3.0

Summary

Product	Version	Support-Contract	Upgrade first to PI 2.2
LMS	3.x and earlier	Valid	Buy UPG SKUs w/ SWSS on UPG SKUs
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	4.0 and 4.1	Valid	Upgrade via PUT, Buy SWSS on UPG SKUs
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	4.2	Valid	Refer to LMS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
		None/Expired	Refer to LMS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
WCS	7.0 and earlier	Valid	Upgrade via PUT, Buy SWSS on UPG SKUs
		None/Expired	Refer to WCS to PI 2.x Upgrade (Click here) , then upgrade to PI 3.0
NCS	1.0 and 1.1	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
PI	1.x	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs
	2.x	Valid	Download PI 3.0 and follow instructions to upgrade to PI 3.x
		None/Expired	Buy UPG SKUs w/ SWSS on UPG SKUs

**** Software download and installation instructions

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&rellifecycle=&reltype=latest>
http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

NCS WAN 1.1: Router management functionality in PI 1.1 was incorporated into PI 1.x after PI 1.2 and there is no requirement to upgrade from NCS WAN 1.1 to later revisions. **PAM 1.x:** There is no upgrade path from Prime™ Assurance Manager.

Upgrading from PI 2.2.x to PI 3.0 (1 of 1)

(For Customers with a Valid Support Contract*)



Customer Segment

Customers **with valid services contracts***
No additional license purchase is required.**
No license PAKs are required.**

Existing PI 2.2.x



PI 3.0

FCS
August 2015

After upgrading to PI 2.2.x,
customers can
download PI 3.0****
(ISO, OVA, or UPG Image)
and follow instructions**** to
upgrade to PI 3.0

*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x, PI 2.x) to PI 3.0 if they do not need to migrate data

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x, PI 1.x, and PI 2.x to PI 2.2

If the customer is doing a **fresh installation** of PI 3.0, they can copy the licenses from legacy systems and install them on PI 3.x (re-host is NOT required).
The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Upgrading from NCS 1.x , PI 1.x, PI 2.x (1 of 2)

(For Customers with a Valid Support Contract*)



Customer Segment

Customers **with valid services contracts***

No additional license purchase is required. No license PAKs are required.**

After upgrading to PI 2.2.x, customers can download PI 3.0**** (ISO, OVA, or UPG Image) and follow instructions**** to upgrade to PI 3.0



*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x, PI 2.x) to PI 3.0 if they do not need to migrate data

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x, PI 1.x, and PI 2.x to PI 2.2

If the customer is doing a **fresh installation** of PI 3.0, they can copy the licenses from legacy systems and install them on PI 3.x (re-host is NOT required). The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0. License files are located in the **/opt/CSCOLumos/licenses** directory on your system.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&reind=AVAILABLE&rellifecycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Upgrading from NCS 1.x , PI 1.x, PI 2.x (1 of 2)

(For Customers **without** a Valid Support Contract*)



Customer Segment

Customers **without valid services contracts***

Purchase PI 1.X/2.X to 3.x Upgrade licenses. No license PAKs are required.**

After upgrading to PI 2.2.x, customers can download PI 3.0**** (ISO, OVA, or UPG Image) and follow instructions**** to upgrade to PI 3.0



*** Customers can skip the intermediate migration steps and go from legacy (NCS 1.x, PI 1.x, PI 2.x) to PI 3.0 if they do not need to migrate data

** With **backup and restore** of the NCS or PI data, the licenses automatically migrate from NCS 1.x, PI 1.x, and PI 2.x to PI 2.2.

If the customer is doing a **fresh installation** of PI 3.0, they can copy the licenses from legacy systems and install them on PI 3.x (re-host is NOT required). The NCS 1.0, PI 1.x, and PI 2.x licenses all work on PI 3.0. License files are located in the **/opt/CSCOLumos/licenses** directory on your system.

**** **Software download and installation instructions**

<https://software.cisco.com/download/release.html?mdfid=286285348&flowid=76142&softwareid=284272932&release=3.0.0&relind=AVAILABLE&relicycle=&reltype=latest>

http://www.cisco.com/c/en/us/td/docs/net_mgmt/prime/infrastructure/3-0/quickstart/guide/cpi_qsg.html

Cisco Prime Infrastructure 3.x

Upgrade Options for PI 1.x and 2.x (1 of 2)

Product Part Number	Description	Services Part Number	Description
Top-Level Part Number Upgrade Part Numbers for Existing Cisco Prime™ Infrastructure 1.x/2.x Customers			
R-P-MGMT3X-U-K9	Cisco® Prime Infra 1.x/2.x to Cisco Ent MGMT 3.x Upgrade	N/A	
Base License			
L-MGMT3X-PI-BASE	Cisco Ent MGMT: PI 3.xx Platform Base Lic		
Prime Infrastructure 3.x Software Options			
R-PI30-SW-K9	Prime Infrastructure 3.0 Software		
Prime™ Infrastructure 3.x High-Availability License (RTU)			
L-MGMT3X-HA	Cisco Ent MGMT: PI 3.x, APIC-EM (if applic), H/A Lic		

Note: These part numbers are for customers who don't have an active SASU contract on Cisco Prime Infrastructure.

The Services SKU price is based on the full product list price.

Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs.

(Services part numbers will be displayed when you order the product.)

Cisco Prime Infrastructure 3.x

Upgrade Options for PI 1.x/2.x (2 of 2)

Product Part Number	Description	Services Part Number	Description
Device Licenses			
L-P-PI3X-LF-25-U	Prime™ Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 25 Dev		
L-P-PI3X-LF-50-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 50 Dev		
L-P-PI3X-LF-100-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 100 Dev		
L-P-PI3X-LF-500-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 500 Dev		
L-P-PI3X-LF-1000-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 100 Dev		
L-P-PI3X-LF-2.5K-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 2.5K Dev		
L-P-PI3X-LF-5K-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 5K Dev		
L-P-PI3X-LF-10K-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 10K Dev		
L-P-PI3X-LF-15K-U	Prime Infra 1.x/2.x Lifecycle to PI 3.0 Lifecycle Upg 15K Dev		

Product Part Number	Description	Services Part Number	Description
Device Licenses			
L-P-PI3X-AS-25-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 25 Dev		
L-P-PI3X-AS-50-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 50 Dev		
L-P-PI3X-AS-100-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 100 Dev		
L-P-PI3X-AS-500-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 500 Dev		
L-P-PI3X-AS-1K-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 1K Dev		
L-P-PI3X-AS-2.5K-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 2.5K Dev		
L-P-PI3X-AS-5K-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 5K Dev		
L-P-PI3X-AS-10K-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 10K Dev		
L-P-PI3X-AS-15K-U	Prime Infra 2.x Assurance to PI 3.0 Assurance Upg 15K Dev		

Note: These part numbers are for customers who don't have an active SASU contract on Cisco® Prime Infrastructure.

The Services SKU price is based on the full product list price.

Note: Starting with PI 2.2 and continuing to PI 3.0, we have removed the node locking for new SKUs.

(Services part numbers will be displayed when you order the product.)



Appendix F

Using a Management Token as an Alternative to a Category-Specific Management License

Management Tokens

What They Are and How to Purchase Them



Beginning with Prime™ Infrastructure 3.0, we introduced the concept of category-specific device licenses.

- Example: Lifecycle and Assurance (LF-AS) licenses for managing access points, Catalyst® switches, etc.

This offers significant benefits to customers who want the ability to track their management license usage.

This requires customers to take an approximate inventory of devices and their sub-categories, namely access points and switches (Cisco® Catalyst 2000 and 3000 Series) prior to purchasing PI 3.0 licenses.

Some sales teams and partners feel that this might complicate the ordering process.

As a result, we have introduced **Management Tokens as an alternative to category-specific device licenses**. Each PI 3.0 management token equates to one LF token and one AS token.

NCS 1.0, PI 1.x , 2.x, and 3.x device licenses are tamper-resistant, human-readable, and follow a common format. They contain the type of license (LF or AS) and the number of managed devices and duration of validity (permanent or duration).



Customers can purchase **L-MGMT3X-TKN-K9=** as an alternative to equivalent category-specific device licenses based on the following:

For 90% of devices: Access points (all models), switches (Catalyst 2000 and 3000), routers (ISR 1000, CSR 1000, 800 series). One token equates to one device license (LF, AS pair)

For all other devices: Switches (Catalyst 4000 and 6000, Nexus® 2000 and 3000, etc.), routers (ASR 1000, ISR 2000, 3000, 4000, etc.). Purchase “N” number of tokens per device. Mapping is shown in the next slide.

Guidelines for Purchasing Management Tokens

- If the customer **knows the mix of network devices** that their PI will manage, they can use the mapping table (provided in the next slide) to estimate and purchase the total number of tokens needed to manage those devices.
- If the customer **does not know the mix of network device** that their PI will manage, the recommendation is to purchase **130 tokens for every 100** devices they plan to manage with PI.
- In either case,
 - The customer needs to know an approximate number of devices that they plan to manage with PI
 - It is recommended that customers adjust the device quantity to accommodate for growth in network devices
- If the customer needs to manage a Cisco® networking device (switch, router, access point) that is **not on the list of devices but is on the supported device list** (link provided below), they can identify the device that is closest to another device on the list shown in the next slide and purchase the corresponding number of tokens per device.
<http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/products-device-support-tables-list.html>

Management 3.x Tokens to Management 3.x License Mapping Table

Managed Device	SKU and Qty to Purchase		OR	SKU and Qty to Purchase		Description
	Token SKU	Tokens/Device		MGMT Lic/Device	MGMT 3.X License SKU	
APs	L-MGMT3X-TKN-K9=	1		1	L-MGMT3X-AP-K9	Cisco® Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 AP
Cat 2K	L-MGMT3X-TKN-K9=	1		1	L-MGMT3X-2K-K9	Cisco Ent MGMT: PI 3.x LF,AS & APIC-EM Lic, 1 Catalyst® 2K
Cat 3K	L-MGMT3X-TKN-K9=	1		1	L-MGMT3X-3K-K9	Cisco Ent MGMT: PI 3.x LF,AS & APIC-EM Lic, 1 Cat 3K
Cat 4K	L-MGMT3X-TKN-K9=	2		1	L-MGMT3X-4K-K9	Cisco Ent MGMT: PI 3.x LF,AS & APIC-EM Lic, 1 Cat 4K
Cat 6K	L-MGMT3X-TKN-K9=	3		1	L-MGMT3X-6K-K9	Cisco Ent MGMT: PI 3.x LF,AS & APIC-EM Lic, 1 Cat 6K
800 Ser Router	L-MGMT3X-TKN-K9=	1		1	L-MGMT3X-800SR-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 800Ser RTR
ASR 1K	L-MGMT3X-TKN-K9=	3		1	L-MGMT3X-ASR1K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 ASR1K
CSR 1K	L-MGMT3X-TKN-K9=	1	OR	1	L-MGMT3X-CSR1-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 CSR1K
ISR 1K	L-MGMT3X-TKN-K9=	1		1	L-MGMT3X-ISR1-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 ISR1K
ISR 2K	L-MGMT3X-TKN-K9=	2		1	L-MGMT3X-ISR2-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 ISR2K
ISR 3K	L-MGMT3X-TKN-K9=	2		1	L-MGMT3X-ISR3-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 ISR3K
ISR 4K	L-MGMT3X-TKN-K9=	2		1	L-MGMT3X-ISR4-K9	Cisco Ent MGMT: PI 3.x LF, AS & APIC-EM Lic, 1 ISR4K
Cisco Nexus 2K	L-MGMT3X-TKN-K9=	2		1	L-MGMT3X-N2K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus® 2K (FEX)
Cisco Nexus 3K	L-MGMT3X-TKN-K9=	5		1	L-MGMT3X-N3K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 3K
Cisco Nexus 5K	L-MGMT3X-TKN-K9=	7		1	L-MGMT3X-N5K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 5K
Cisco Nexus 6K	L-MGMT3X-TKN-K9=	7		1	L-MGMT3X-N6K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 6K
Cisco Nexus 7K	L-MGMT3X-TKN-K9=	14		1	L-MGMT3X-N7K-K9	Cisco Ent MGMT: PI 3.x LF, AS Lic, 1 Cisco Nexus 7K



Appendix G

End-of-Sale and End-of-Life (EoS/EoL) Notices

EoS and EoL Notices

→ WCS

→ [End-of-Sale and End-of-Life Announcement for the Cisco® Wireless Control System](#) (November 5, 2014)

→ LMS

→ [End-of-Sale and End-of-Life Announcement for the Cisco Prime™ LAN Management System](#) (May 31, 2012)

→ Cisco Prime NCS Physical Appliance (Generation 1)

→ [End-of-Sale and End-of-Life Announcement for Cisco Prime Network Control System Series Appliances](#)
(November 5, 2014)

→ Cisco Prime NCS 1.0

→ [End-of-Sale and End-of-Life Announcement for the Cisco Prime Network Control System 1.0](#) (May 31, 2012)

→ Cisco Prime NCS 1.x, Cisco Prime Infrastructure 1.x

→ [End-of-Sale and End-of-Life Announcement for Cisco Prime Network Control System 1.x](#) (November 7, 2014)

→ [End-of-Sale and End-of-Life Announcement for Cisco Prime Infrastructure 1.x](#) New (November 7, 2014)

→ [End-of-Sale and End-of-Life Announcement for Cisco Wireless Control System Legacy Licenses](#) (August 31, 2009)



Appendix H

Using the Licensing Interface

How to Get Unique ID and Virtual Unique ID Information

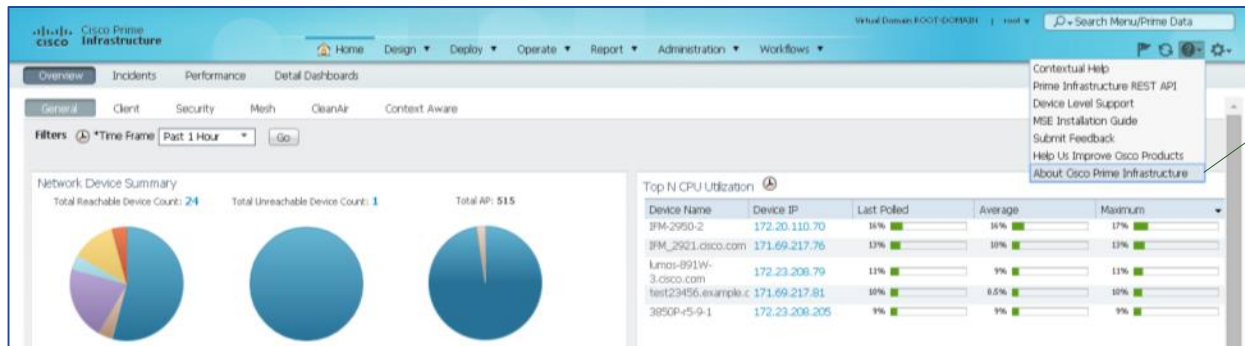
→ Prior to Cisco Prime™ Infrastructure 2.2 (PI 2.1 and earlier) versions, all licenses were node-locked (Base, Lifecycle, Assurance Licenses)

- Each node (Cisco® Prime Infrastructure server) is identified by:
 - Unique Device ID (UID) in the case of physical appliances
 - Virtual UID (VUID) in the case of virtual appliances
- You will need to have the UID or VUID available when you redeem licenses.

→ Beginning with PI 2.2 and continuing to PI 3.0, all licenses come with **no node lock** (Base, Lifecycle, Assurance, UCS® Server, Operations Server licenses)

- UID and VUID are no longer used
- You no longer need UID or VUID for ordering licenses

How to Get UID and VUID Information



Log in to Prime™ Infrastructure, and click on the link. Then select about Cisco® Prime Infrastructure.

You will see a pop-up window. For PI 2.1 or previous versions the UID or VUID is highlighted.



You will see a pop-up window. For PI 2.2 or later versions there is **NO** UID or VUID displayed.

How to View the License Summary

→ Navigate using Administration > Licenses, then click on Licenses under Summary

→ Note: Administration > Interface License Manager will also be seen if valid Assurance licenses are present.

The screenshot shows the Cisco Prime Infrastructure Administration interface. The 'Administration' dropdown menu is open, and the 'Licenses' option is circled in red. The main dashboard displays network device statistics and a table of top CPU utilization.

Network: Device Summary

- Total Reachable Device Count: 99
- Total Unreachable Device Count: 16
- Operational AP: 23

Device Name	Device IP	CPU Utilization	Memory Utilization	Interface Utilization
DEN-2960S-SBR	10.9.1.1	62%	63.67%	62%
switch2	10.104.240.30	62%	63.67%	62%
Router_93_Cisco.con	10.104.105.93	40%	38.67%	38%
LON-3945-RBR	10.11.1.1	26%	26%	26%
\${hostname}.cisco.c	10.126.168.138	13%	22.67%	13%

License Summary (PI 2.1 or Earlier)

The screenshot displays the Assurance License Manager interface in Cisco Prime Infrastructure. The breadcrumb navigation is Administration > Licenses > Summary > Licenses. The main content area shows details for a license with the following information:

- Warning:** Base license is missing
- Type:** Licensed
- VUDI:** PRIME-NCS-VAPL:standard211-78:10136740-fe51-11e3-bba9-005056820c9c
- Product Id:** PRIME-NCS-VAPL
- Serial Number:** standard211-78:10136740-fe51-11e3-bba9-005056820c9c
- Lifecycle:** 1% (531 of 50,000 devices used)
- Assurance:** 0% (0 of 50,000 devices used)
- Collector:** 0% (Limit: 20,000; Avg: 0 fps)

Below the main license details, there are sections for:

- Controller Licenses:**
 - Controller Count: 5
 - AP Limit: 642
 - Type: Permanent
- MSE Licenses:**
 - CAS Elements: 0
 - Permanent Limit by AP: 0

License Summary (PI 2.1 or Later)

Administration > Licenses

Licenses

Summary

- Licenses
- Controller
- MSE
- Files

Licenses

Assurance Licenses

▼ Prime Infrastructure Licenses

Type **Licensed**

Lifecycle **Violation: 101% (101 of 100 devices used)**

Assurance 14% (14 of 100 devices used)

Collector 7% (Limit: 20,000; Avg: 1,470 fps)

▼ Controller Licenses

Controller Count **12**

AP Limit **1254**

Type **Permanent**

► MSE Licenses

License Summary

The screenshot shows the Cisco Prime Infrastructure interface for license management. The main content area displays details for a specific license instance. Callouts provide context for several key fields:

- Type (license or unlicensed):** Points to the 'Type Licensed' field.
- Unique serial number of this instance:** Points to the 'Serial Number ifm-vm1...' field.
- Licensed Lifecycle device count limit:** Points to the 'Device Limit 100' field.
- Licensed assurance interface count limit:** Points to the 'Interface Limit 500' field.
- Count of devices added to the system:** Points to the 'Device Count AP = 0, Switch = 0, Router = 0, Total = 0' field.
- Provides information about features, permanent compared to evaluation (number of remaining days), and limits:** Points to the table at the bottom.

Other visible fields include Product Id (PRIME-NCS-VAPL), VUDI (PRIME-NCS-VAPL:ifm-vm135:8e12eff0-839f-11e1-aff6-005056856171), Interface Count (0), % Used (0%), % Used (PAM) (0%), and NAM|WAAS Count (0).

Type	Limit	Additional P...
Evaluation (53d...	100	
Permanent	500	

Adding and Deleting License Files

→ Administration > Licenses > Files > License Files

→ To **add** a license file: Click on the Add button. An upload box will appear. Browse and upload a license file. Log out and log in to the system. The license will be effective.

→ To **delete** a license file: Select the file to be deleted. Click on the Delete button. A confirmation popup box will appear. Click ok. Files will be deleted. Log out and log in from the system to let deletion take effect.

→ License ID (license file name), Feature, Device Limit, Type all provide information about the license file

The screenshot shows the 'Licenses' management page in a web interface. On the left, there is a navigation menu with 'Summary' selected and 'Files' expanded to show 'License Files', 'Controller Files', and 'MSE Files'. The main content area is titled 'Licenses' and shows the breadcrumb 'Administration > Licenses > Files > License Files'. Below the breadcrumb is a table with one row of license data. The table has columns for 'License ID', 'Feature', 'Device Limit', and 'Type'. Below the table are 'Add' and 'Delete' buttons.

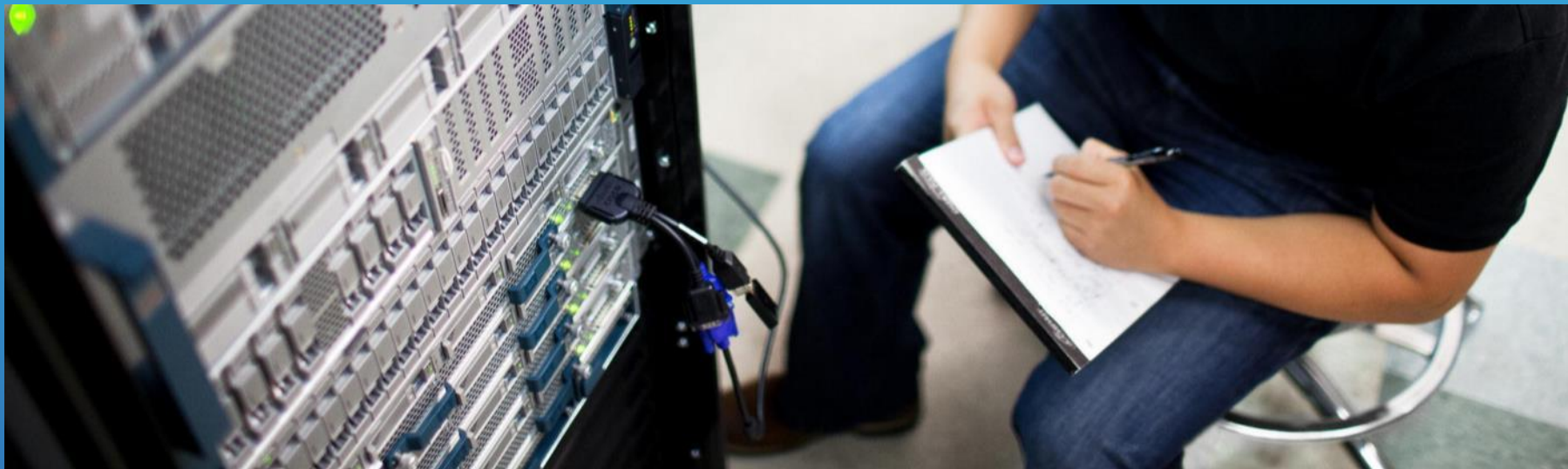
License ID	Feature	Device Limit	Type
<input type="checkbox"/> sam1-1135	Assurance	500	Permanent

Examples of Different License Files

Licenses
Administration > Licenses > Files > **License Files**

<input type="checkbox"/>	License ID	Feature	Device Limit	Type
<input type="checkbox"/>	ncs1-2135	Lifecycle	10000	Permanent
<input type="checkbox"/>	ncs1.0Count135	Lifecycle	10	Permanent
<input type="checkbox"/>	sam1.2135Incemnt	Assurance	50	Permanent
<input type="checkbox"/>	piibase135	Base	0	Permanent
<input type="checkbox"/>	wcs8-1devcount135	Lifecycle	500	Permanent

→ NCS 1.0 + PI-BASE + PI-Lifecycle + WCS migration licenses applied



Appendix I

Obtaining a Cisco Prime Infrastructure 3.x Evaluation License and Software

Obtaining a Cisco Prime Infrastructure 3.x Evaluation License and Software

→ Evaluation Software and License

- You can download Cisco Prime™ Infrastructure 3.0 evaluation software from Cisco® Marketplace. Go to <http://www.cisco.com/go/nmsevals> (login required). Cisco Prime Infrastructure 3.0 includes a built-in evaluation license valid for 60 days and 100 devices.
- If you need a custom evaluation license, send a request to ask-pi-license-req@cisco.com

There is no Cisco Technical Assistance Center support for the Cisco Prime evaluation software.



Appendix J

Contact Information for Ordering and Licensing Assistance

Contact Information for Ordering and Licensing Assistance



For all ordering issues in Cisco® Commerce Workspace (bookings, holds, configurations):

cs-support@cisco.com

For eDelivery support questions or ordering issues (provide PO or SO number):

edelivery-customer-support@cisco.com

Customer Case Management Tool to open a support case:

<https://www.cisco.com/cisco/psn/web/workspace>



Appendix K

Additional Resources

(Release Notes, Installation Guide, Deployment Guide)

Additional Resources

→ Links to Release Notes, Software Downloads, Deployment Guide

- <http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/products-release-notes-list.html>
- <https://software.cisco.com/download/navigator.html?mdfid=284145020&i=rm>
- <http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/products-installation-guides-list.html>
- <http://www.cisco.com/c/en/us/support/cloud-systems-management/prime-infrastructure/tsd-products-support-series-home.html>

Note: Please use the document related to the latest release of Cisco Prime™ Infrastructure (3.0)

