



Prime Infrastructure Update

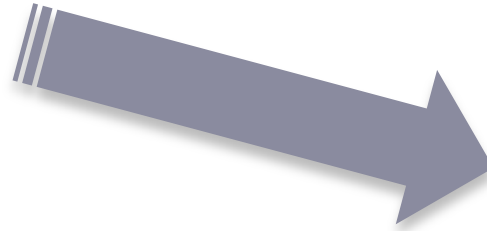
Agenda

- Prime Infrastructure Update
- Prime Infrastructure 2.2
- Licensing Update
- Converged Access deployment – Simplified
- IWAN Management with Prime Infrastructure
- Prime Infrastructure Nihau Release

Finally!!! A single release for Wireless Management

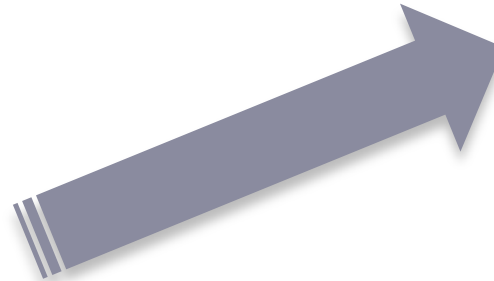
One Release for all Wireless Management

PI 1.x (1.3.x, 1.4.x)



PI 2.2

PI 2.x (2.0, 2.1.x)



- Configuration and Monitoring for AireOS 7.4, 7.5, 7.6 and 8.0
- Monitoring Support for 8.1
- Up to MSE 8.0
- ISE 1.2, 1.3

12 Months of Solid Execution

PI 2.0

Sep 2013

- Return to stability
- Restore Back-up addressed
- Wired Device Packs

PI 2.1

Apr 2014

- WLAN device support sync
- Quality improvements
- Nexus 9K

PI 2.2

Nov 2014
FCS RR

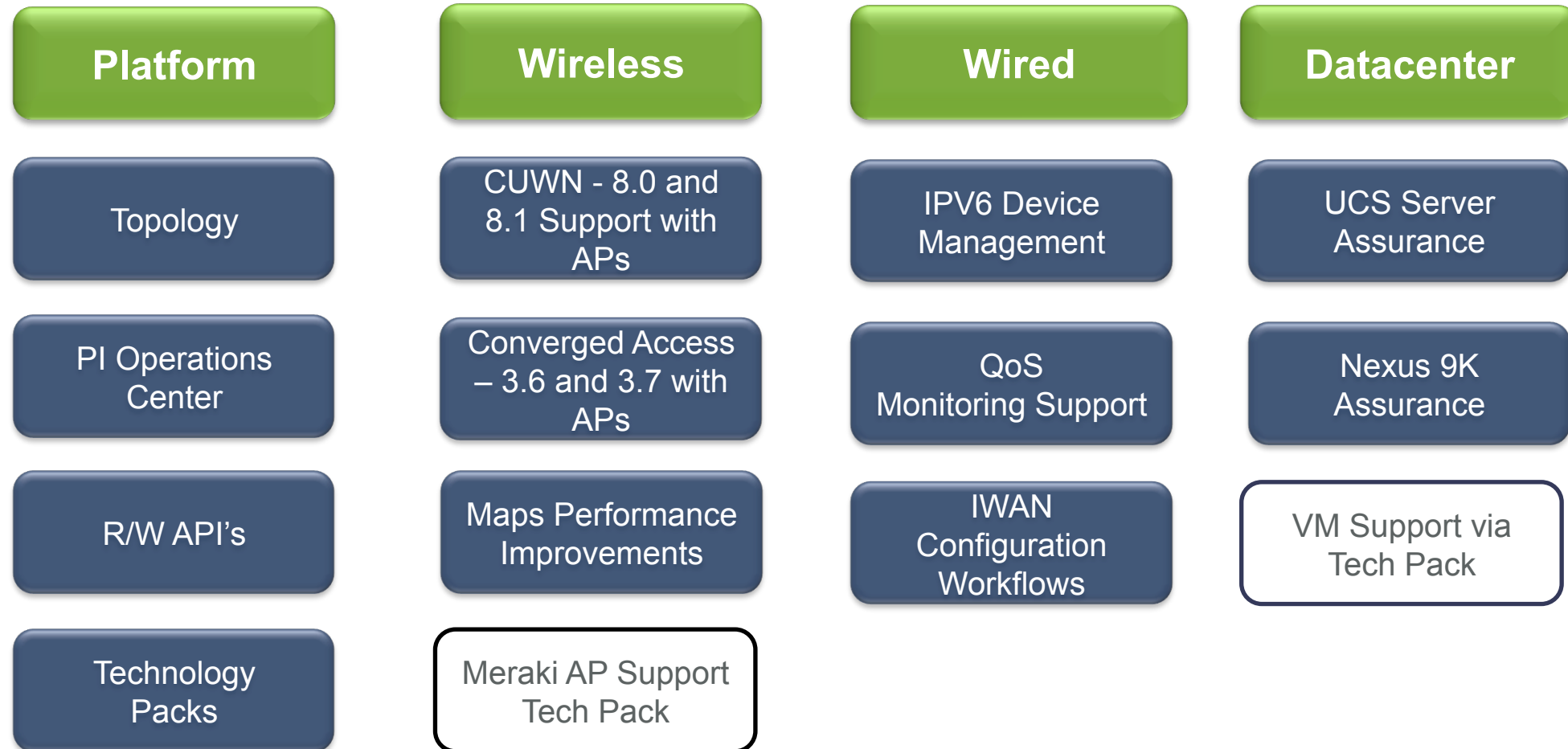
- Quality ++
- L2 Topology
- UI and Map Performance
- IWAN / CA provisioning
- Tech Packs

PI Niihau

Q2 CY15*
(Targeting Apr 2015)

- Architectural improvements
- LMS features
- IWAN monitoring
- DC Assurance

Prime Infrastructure 2.2



New AP Platforms Supported

Cisco AP 1700

Cisco AP 1572

World Regulatory Domain APs



New Wireless Features

- Policy Classification Engine
- Client SSO
- Bonjour configuration
- PMIP V6 enhancements
- IPv6 – clients and WLC
- Sleeping Client
- 802.11w
- PEAP/EAP-TLS on AP in Flex mode
- Flex Connect Audit Support
- FlexConnect VLAN Config (FlexConnect Groups)
- DHCP Proxy in WLAN Config
- Clean Air Express on AP 1600/AP1700

Monitoring Enhancements

The screenshot displays a network management interface. A 'Device Unavailability Summary' window is open, showing a table with columns for Site Name, AP, Routers, and Switches. The 'AP' column shows a count of 39 with a red 'x' icon. The 'Routers' column shows 0 with a green checkmark. The 'Switches' column shows 0 with a green checkmark. Below this, a 'Devices' window is open, showing a list of devices with their names and IP addresses.

Site Name	AP	Routers	Switches
System Campus	39	0	0
Unassigned	0	0	1
	0	0	0
	0	0	0

Device Name	Device IP
SJC22-32A-AP22-MON	10.34.208.52
RCDN5-31A-AP42	10.201.80.180
AP001d.a1cf.7d10	10.35.186.120
AP001d.a1cf.c932	10.35.184.161
AP001d.a1cf.dbd0	10.35.185.194
AP0026.9937.672a	10.35.185.102
AP5475.d0ab.a44d	10.35.185.218

Use Case:

How do I know if my AP is up/down

What is the health of my site?

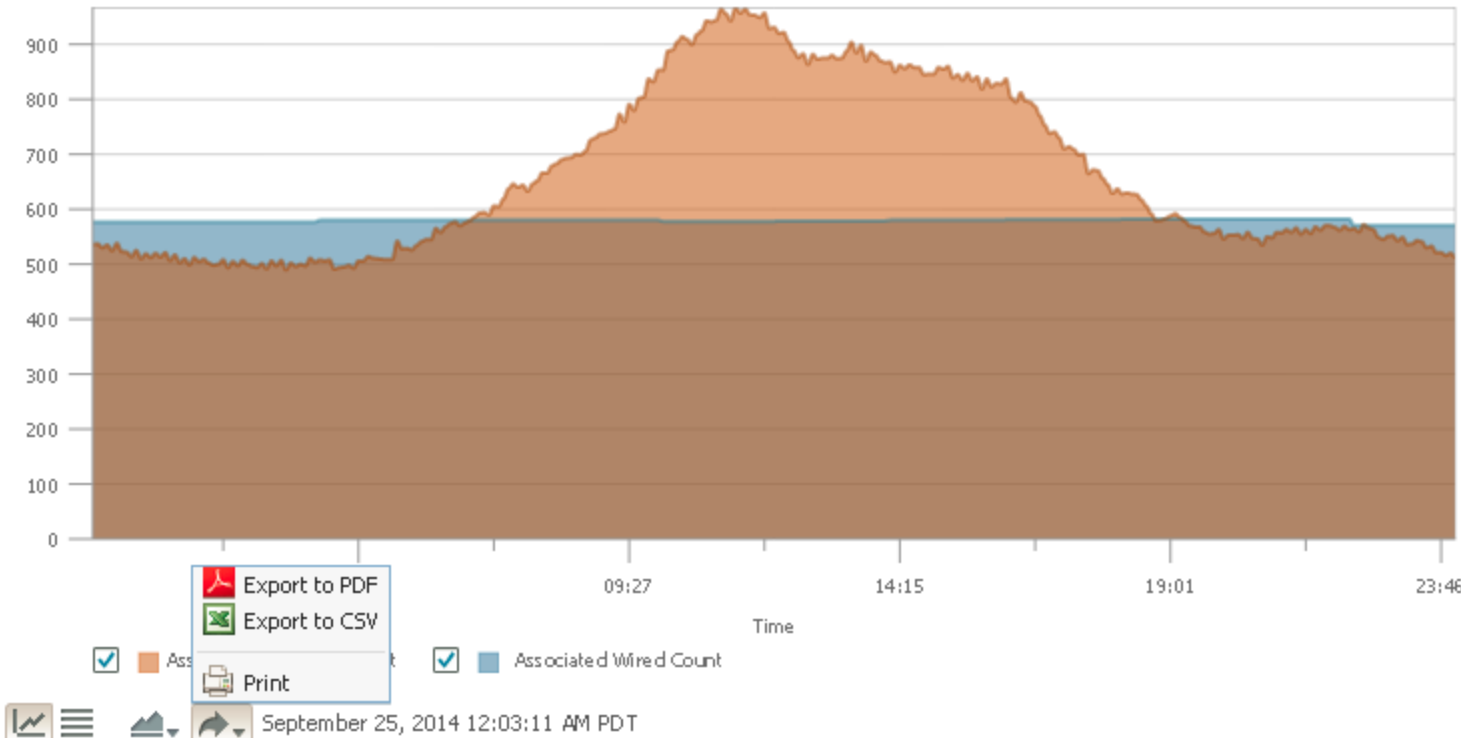
New Wireless Dashlets

Client Count By Association/Authentication

Associated | Authenticated

Zoom: 1h | 6h | 1d | 1w | 2w | 4w | 3m | 6m | 1y | View History | From: 9/24/2014 12:03 AM To: 9/25/2014 12:03 AM

Client Count



- Customize graph type
- Export dashlet to PDF and CSV

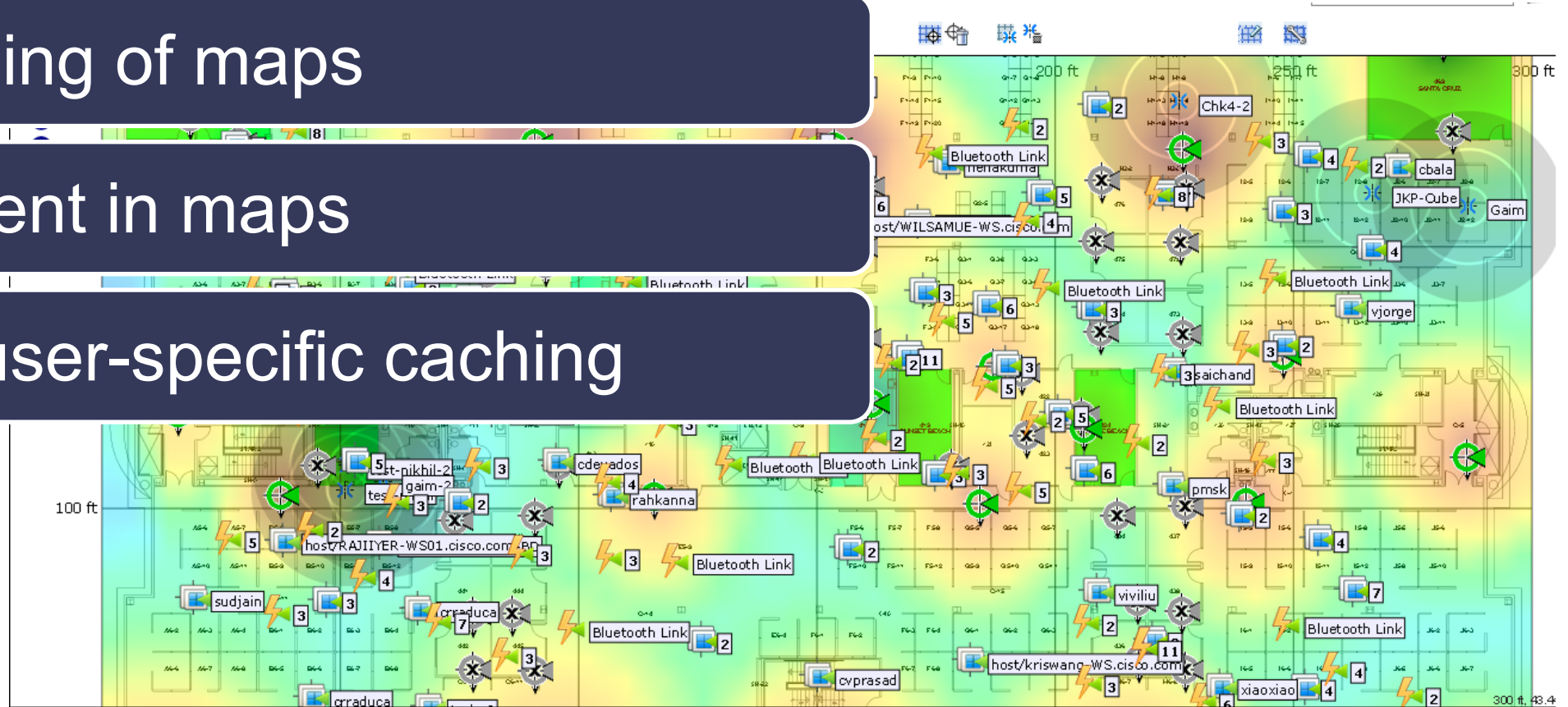
Wireless Maps Enhancements

Zoom improvements 133% to 1052%

Faster loading of maps

AP placement in maps

Intelligent user-specific caching



New AP Dashboard

AP Details

Access Point Details

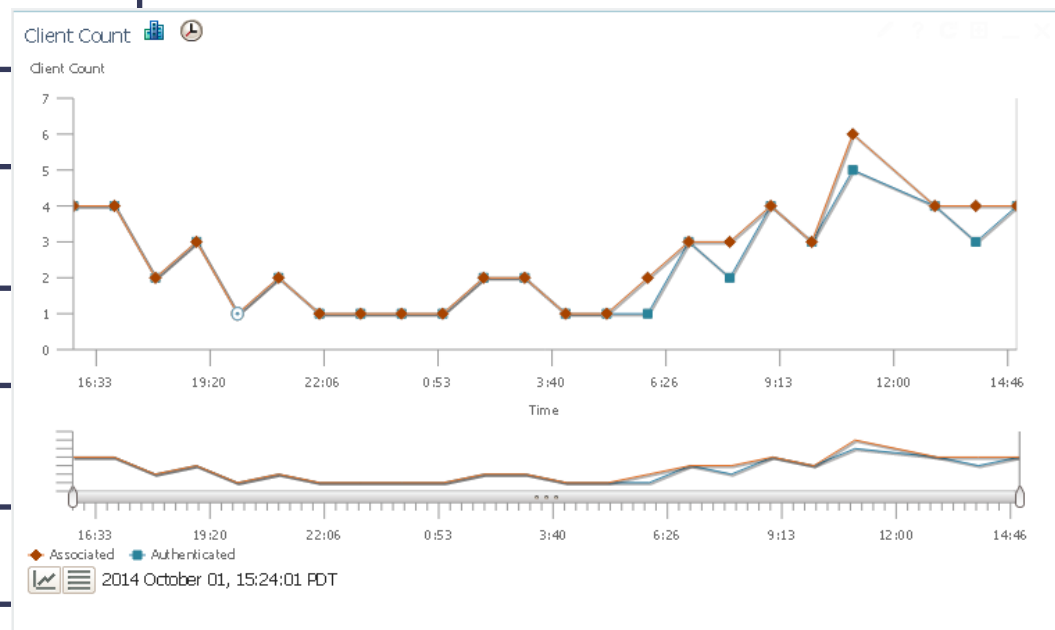
Property	Value
AP Name	SJC14-42A-AP-C3
Radio Mac	18:e7:28:9d:c3:30
Ethernet Mac	18:e7:28:80:f6:58
Model	AIR-CAP3702I-A-K9
Controller	10.32.37.6
Location	default location
Map Location	System Campus > SJC-14 > 4th Floor
Base Radio	AP SJC14-42A-AP-C3, Interface 802.11b/g/n AP SJC14-42A-AP-C3, Interface 802.11a/...

Top applications by bandwidth

Top clients by bandwidth

Clients count on the AP over time

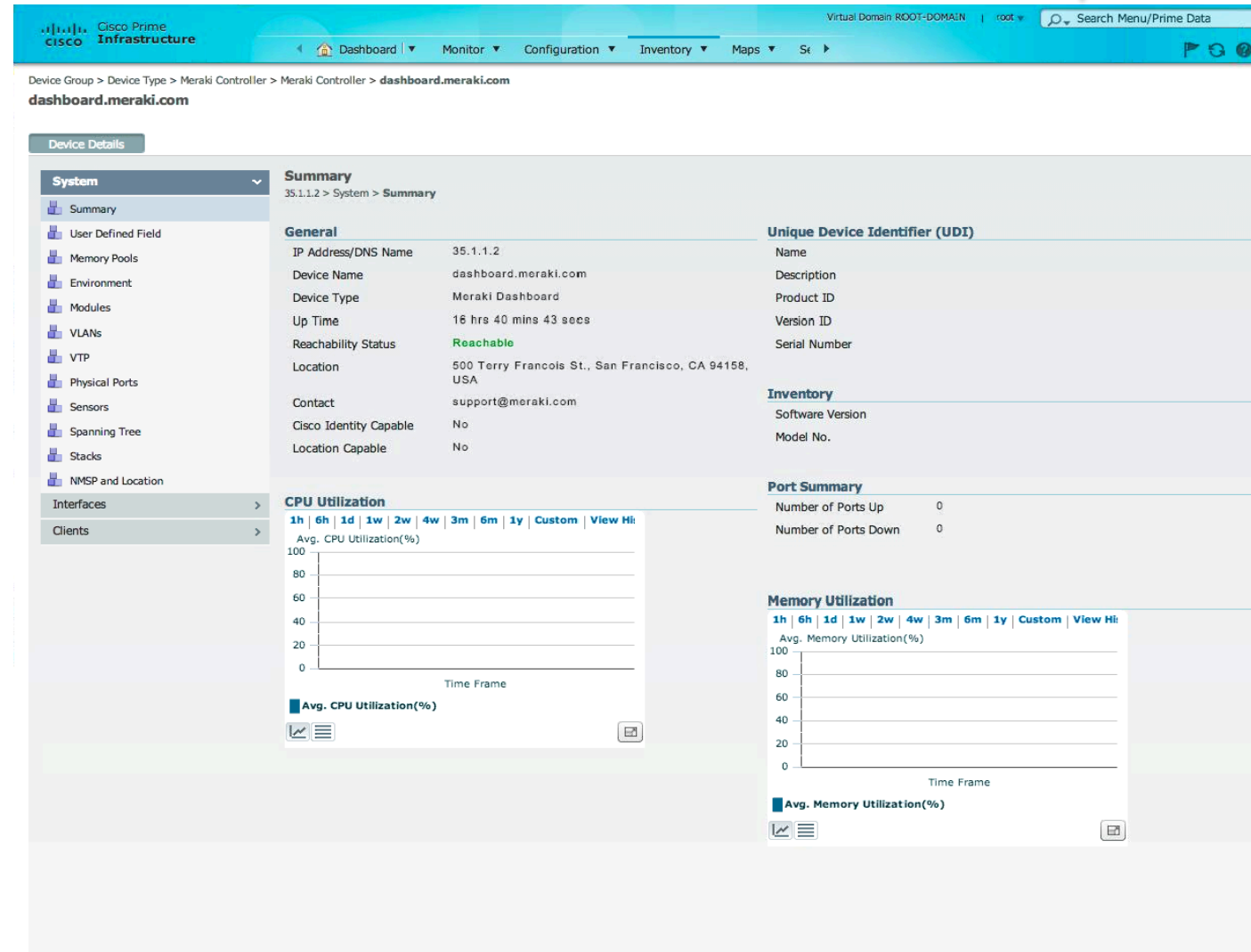
Channel Utilization and AP throughput over time



Prime Infrastructure – Meraki Support

Tech Pack
Dec 2014

- Discovery
- Inventory
- Reachability
- Cross launch into Meraki dashboard
- No Wired in Phase 1
- Technology pack on PI 2.2



Cisco Prime Infrastructure – Operations Center

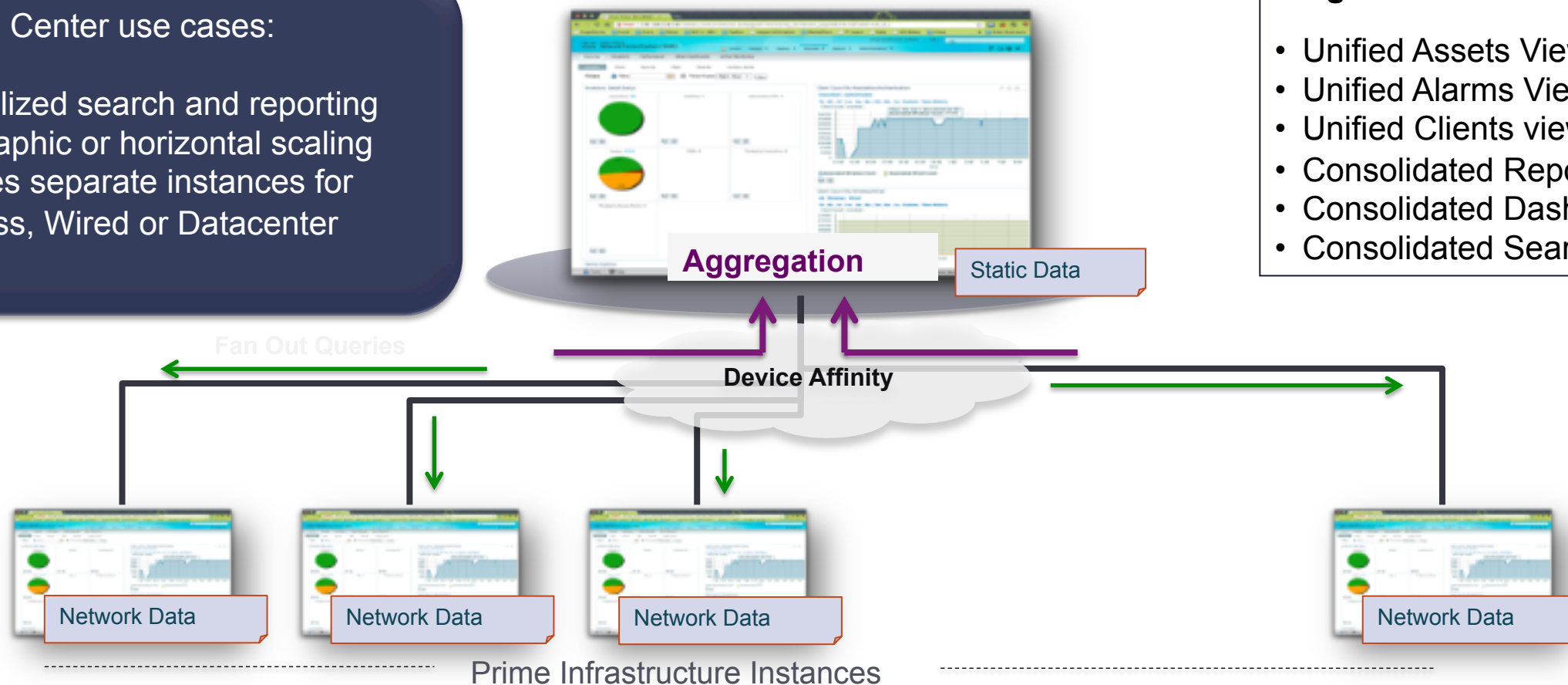
Centralized Visualization Across Multiple PI Instances

Operations Center use cases:

- Centralized search and reporting
- Geographic or horizontal scaling
- Enables separate instances for Wireless, Wired or Datacenter

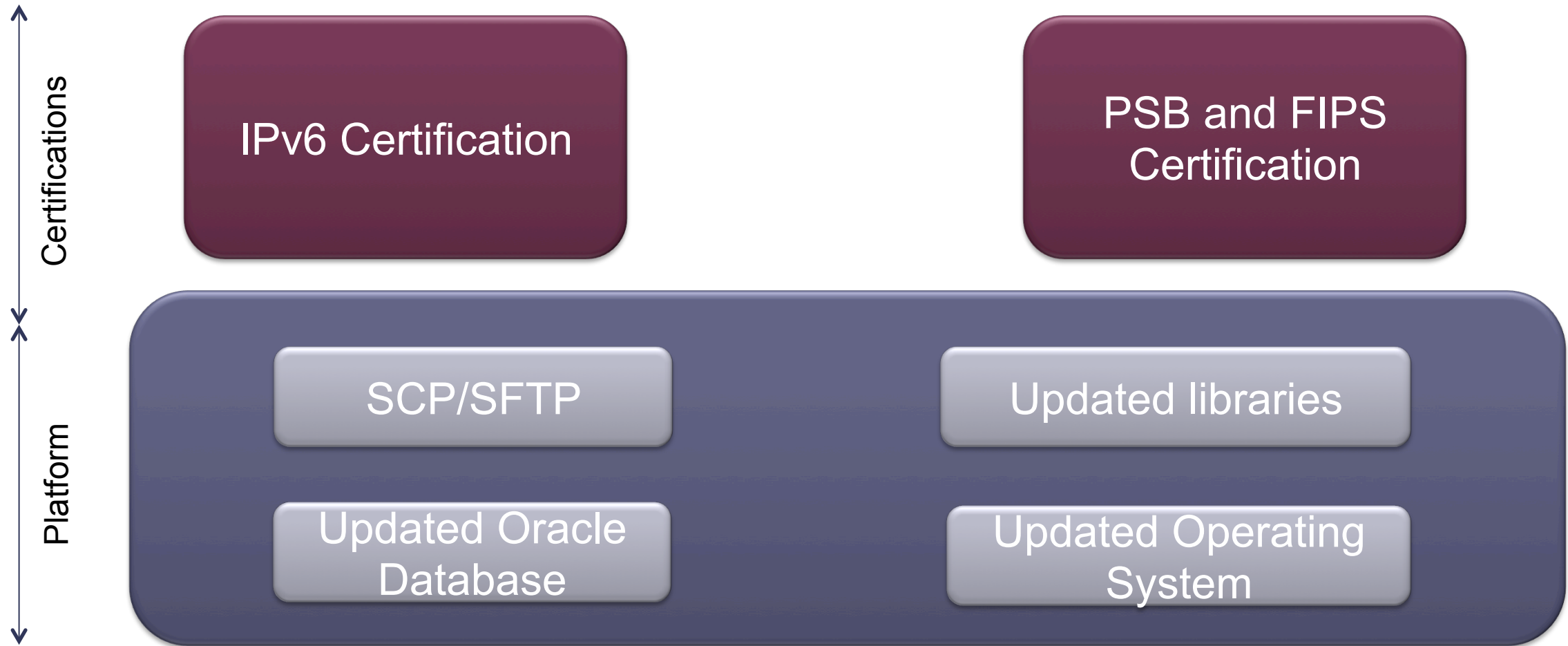
Single Pane Monitoring

- Unified Assets View
- Unified Alarms View
- Unified Clients views
- Consolidated Reports
- Consolidated Dashlets
- Consolidated Search



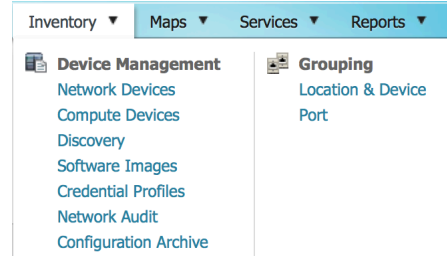
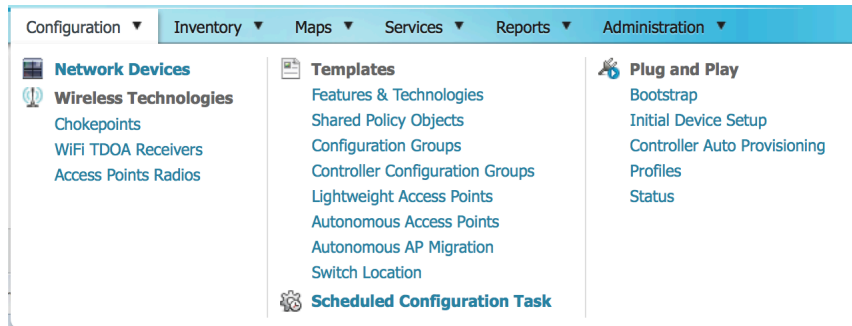
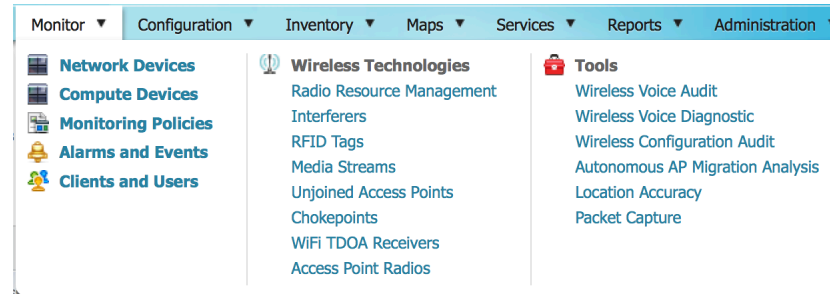
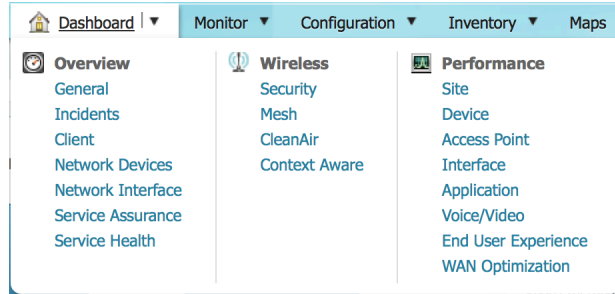
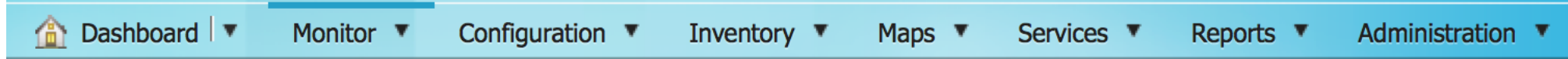
Platform Enhancements

Management Platform Security Enhancements



Converged Menu

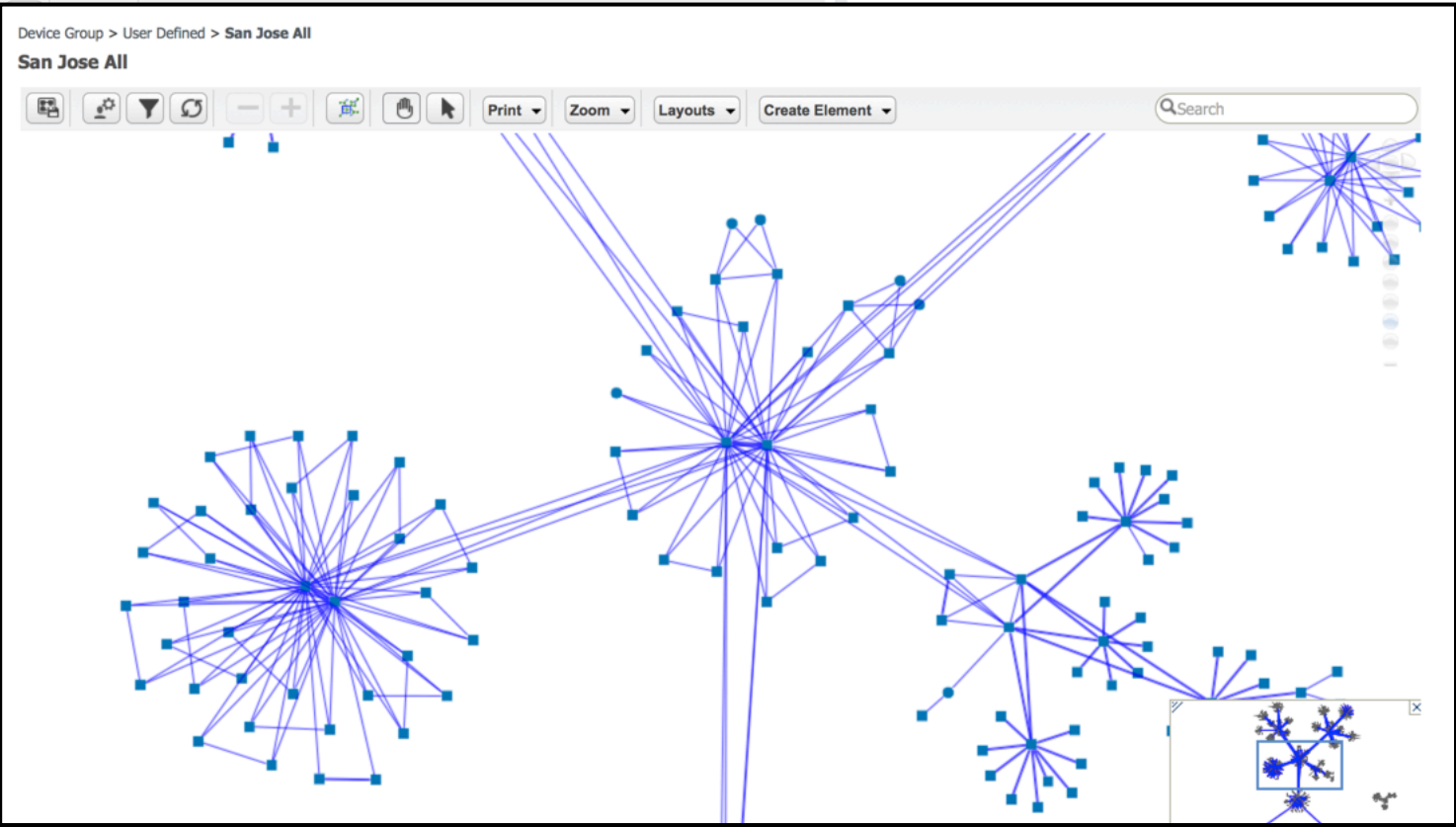
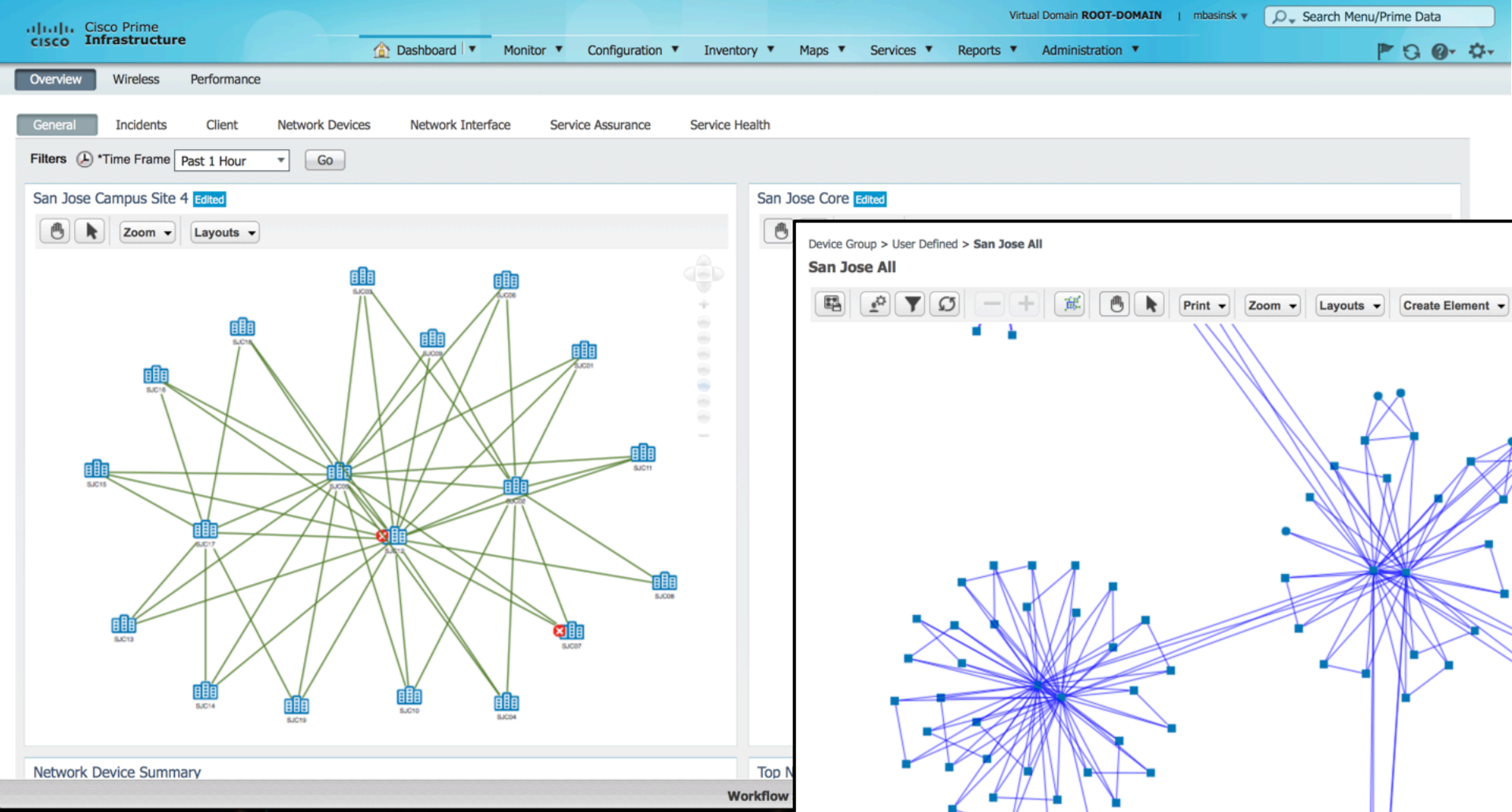
Single Menu for All Operational Tasks



- Similar to Classic View
- Classic view is deprecated
- Maps and Topology at top level
- Device Work Center optimized

Network Topology Visualization

Device & Site Connectivity



Network Topology Visualization

Device 360 Launch to Topology “N-Hop” Drill Down

Cisco Prime Infrastructure

Monitor > Alarms and Events

Alarms and Events

Device Groups

- All Devices
- Device Type
- Location
- User Defined

Device 360° Views

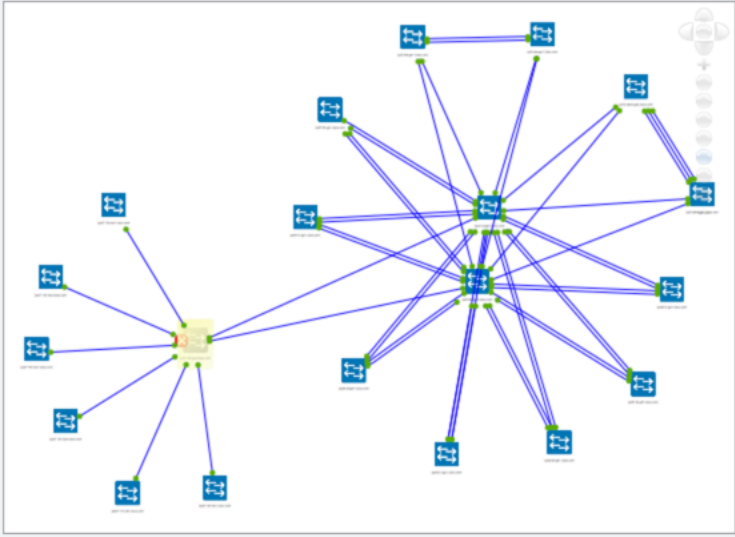
sjc07-00-gw2.cisco.com

sjc07-00-gw2.cisco.com

up for 324 days 18 hrs 34 mins 54 secs

Cisco Catalyst 6506 Switch

Topology: 2 Hops, Symmetric Layout



Minor

Load threshold violation r...

Not Ackno...

AP sjc12-41-cap1, Interfa...

August 6, 2014 9:42:07 P...

AP

Radio load threshol...

Minor

Noise threshold violation r...

Not Ackno...

AP sjc12-41-cap1, Interfa...

August 6, 2014 9:42:07 P...

AP

Radio load threshol...

Minor

Interference threshold viol...

Not Ackno...

AP sjc12-41-cap1, Interfa...

August 6, 2014 9:42:07 P...

AP

Radio load threshol...

Minor

Load threshold violation r...

Not Ackno...

AP sjc12-42-cap21, Interf...

August 6, 2014 9:42:33 P...

AP

Radio load threshol...

Minor

Noise threshold violation r...

Not Ackno...

AP sjc12-42-cap21, Interf...

August 6, 2014 9:42:33 P...

AP

Radio load threshol...

Minor

Interference threshold viol...

Not Ackno...

AP sjc12-42-cap21, Interf...

August 6, 2014 9:42:33 P...

AP

Radio load threshol...

Minor

Interference threshold viol...

Not Ackno...

AP sjc12-21-cap1, Interfa...

August 6, 2014 9:42:55 P...

AP

Radio load threshol...

Virtual Domain ROOT-DOMAIN | mbasinsk

Search Menu/Prime Data

Services Reports Administration

Selected 0 | Total 461

ableshoot

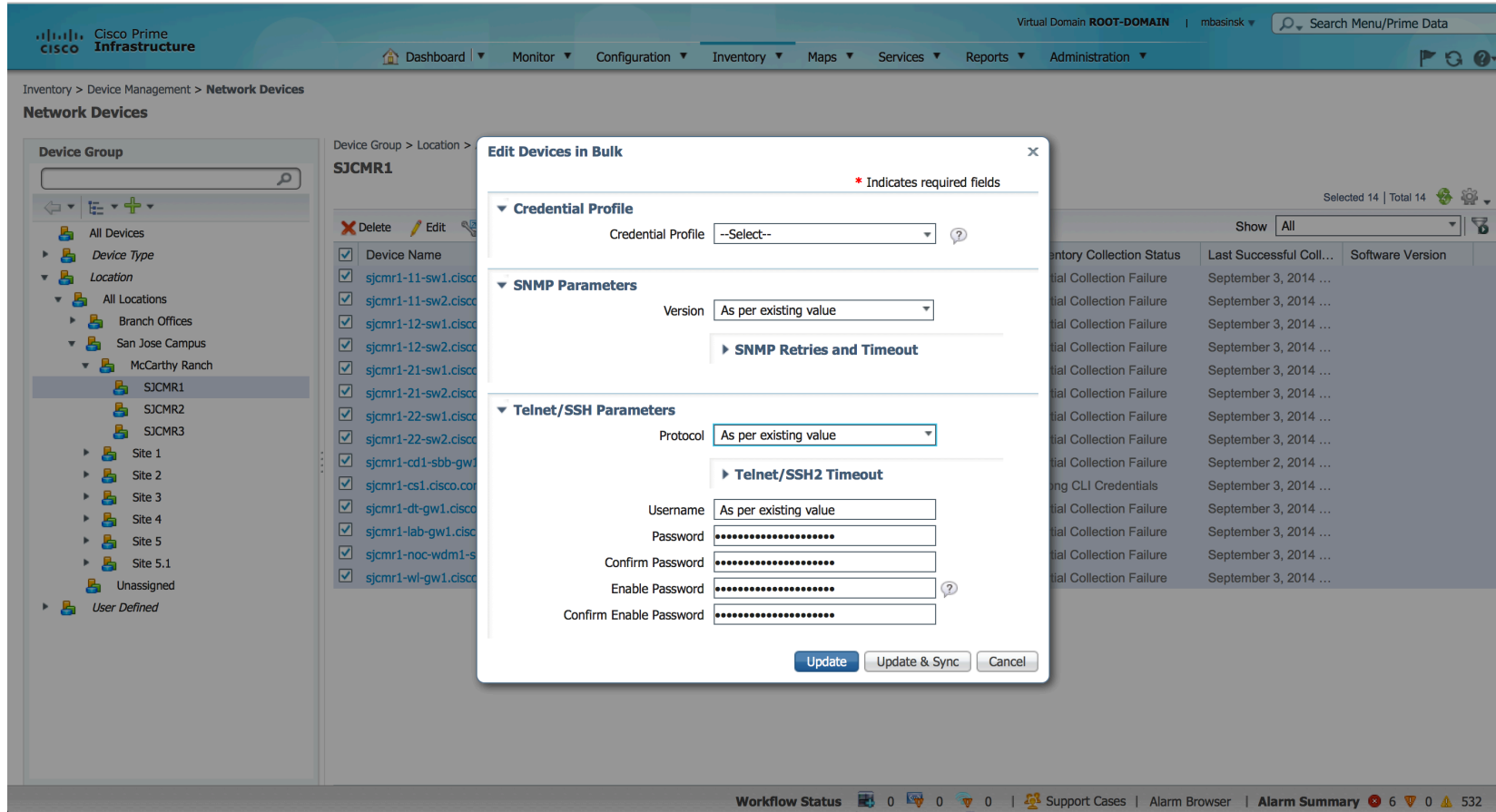
Show All

	Timestamp	Owner	Category	Condition
isc...	August 6, 2014 10:53:09 ...		Switches a...	Switch down
fa...	August 10, 2014 4:09:57 ...		AP	Radio administrativ...
August 8, 2014 6:27:01 P...			Switches a...	Switch down
fa...	August 6, 2014 9:41:24 P...		AP	Radio load threshol...
erf...	August 12, 2014 7:32:44 ...		AP	Radio load threshol...
erf...	August 12, 2014 9:08:04 ...		AP	Radio load threshol...
fa...	August 9, 2014 1:13:23 P...		AP	Radio load threshol...
fa...	August 6, 2014 9:41:50 P...		AP	Radio load threshol...
fa...	August 6, 2014 9:41:50 P...		AP	Radio load threshol...
fa...	August 6, 2014 9:41:50 P...		AP	Radio load threshol...
fa...	August 8, 2014 4:22:17 A...		AP	Radio load threshol...
erf...	August 12, 2014 9:53:13 ...		AP	Radio load threshol...
erf...	August 11, 2014 4:52:15 ...		AP	Radio load threshol...
fa...	August 12, 2014 10:03:15...		AP	Radio load threshol...

Workflow Status 0 0 0 | Support Cases | Alarm Browser | Alarm Summary 3 0 458

Credential Profiles & Bulk Device Edit

Bulk credential & UDF management



Use Case:
SoX requirement- update
device credentials, once
every 6 months

Installation Simplified

- Removal of license "node lock"
- Simplified OVA install – One OVA file for all types of PI instances
- VMWare ESXi 5.5 support
- Virtual IP for High Availability
- New PI Appliance
- External Oracle Database (Post PI 2.2 via Tech Pack)

Additional Platform Features

- Flexible Grouping Hierarchy
- Management of network devices via IPv6
- Read Write REST APIs
 - Adding devices in bulk, managing wireless devices, provisioning WLANs
- Native IE browser support
 - No Chrome Plug-In needed
- Improvements in Job handling
 - Periodic jobs, copy run start option, stop/continue failure option, improved presentation of job results

Significant Architectural Improvements

Kauai (Nov 2014)

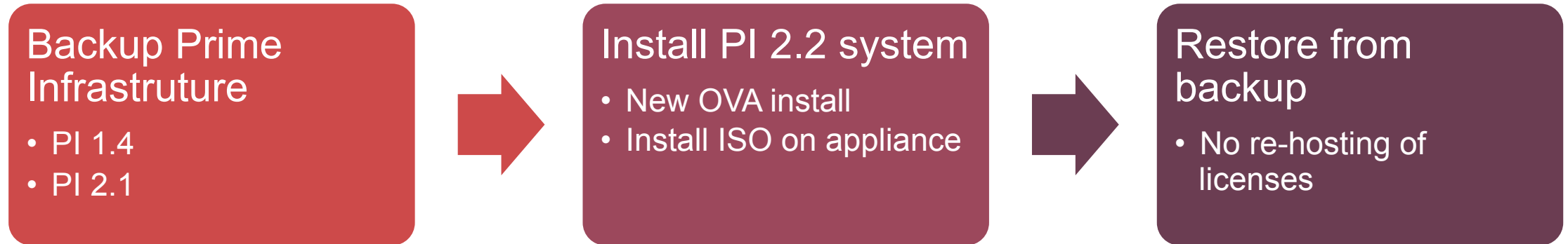
- Background tasks improvements:
 - AP discovery, MAPs
- New converged UI
- Operations Center
- Device and Technology support packs (non-wireless)
- Security (PSB and FIPS compliance)
- Fast Failover (<30 secs) for HA (available as Tech pack)
- External DB support (available as Tech pack)
- Maps zooming, performance and reliability improved with smarter caching and better concurrency control.

Nihau (Q2 CY15)

- New UI framework (Vudu)
- Technology Stack convergence (inventory, polling and scheduler)
- Optimize additional Background Tasks
- Client discovery via enriched traps
- Inline aggregation of performance data
- AP support via async device packs.
- Service discovery, correlation
- Multi-layer correlation and RCA
- SNMP timeout visibility and reporting
- Large SP T1 customer scale support

With the architectural improvements, the new UCS appliance or the flexible OVA, Prime Infrastructure will deliver to published scale.

Upgrade to 2.2



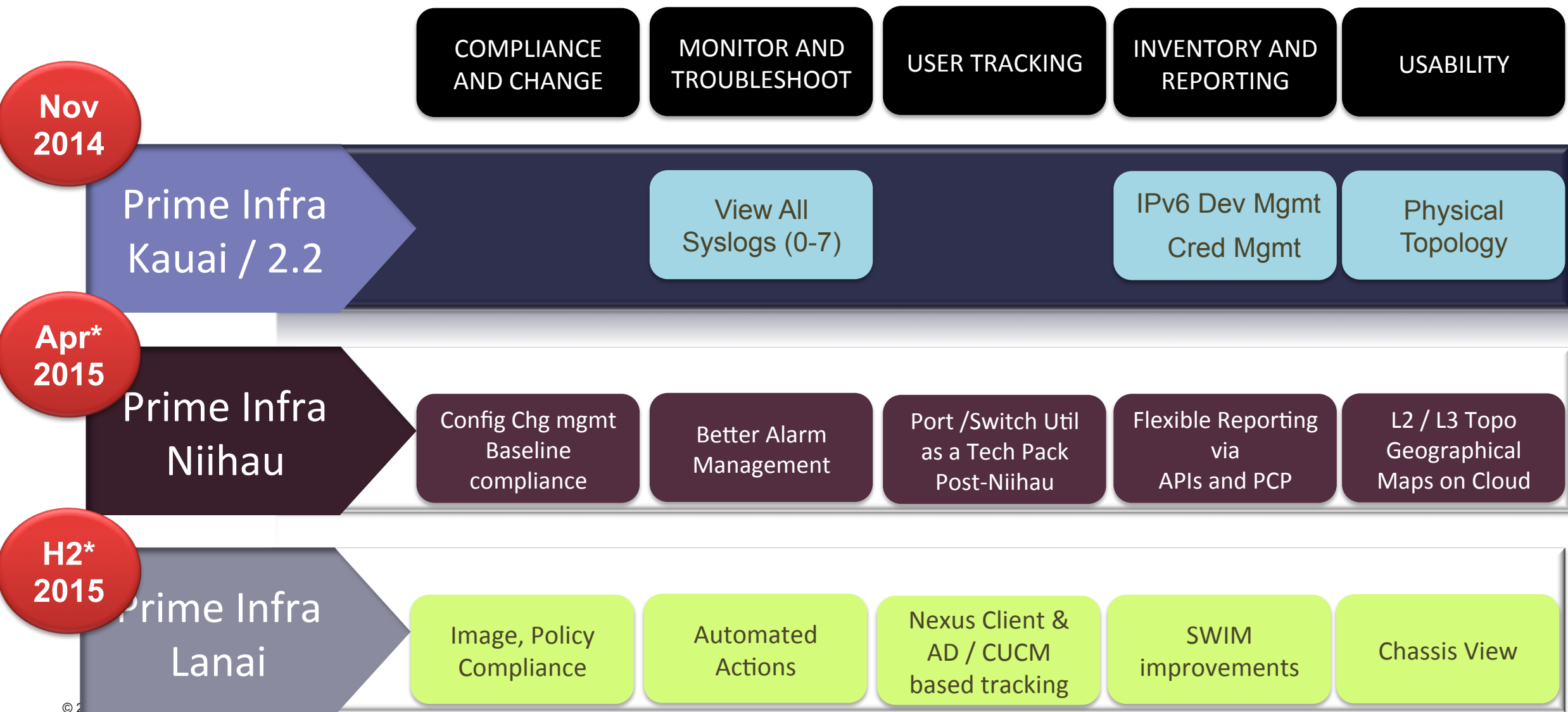
- No inline upgrade support to PI 2.2
- Recommended upgrade is through backup and restore
- No need for license re-hosting as VUDI check is removed

Why no inline upgrade:

Upgraded platform (OS)

Upgraded database

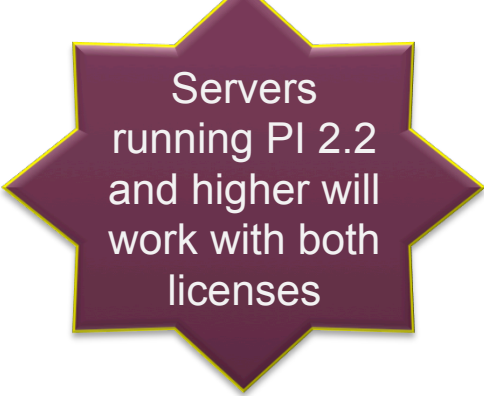
Continuing Push to LMS Transition



* Release not committed yet

Licensing Update

No Node Lock Starting with 2.2



Servers
running PI 2.2
and higher will
work with both
licenses

Node Lock is removed from PI Licenses starting with PI 2.2

Implications

- Two kinds of licenses will be issued
 - Licenses with Node lock (For backward compatibility w/ servers running PI 2.1 and lower versions)
 - Licenses without Node (For all servers PI 2.2 and higher)
- Removes the need for re-hosting
- Node lock removed licenses still will retain the following
 - Device count
 - Expiration dates (for evaluation or demo or NFR)

New UCS Appliance

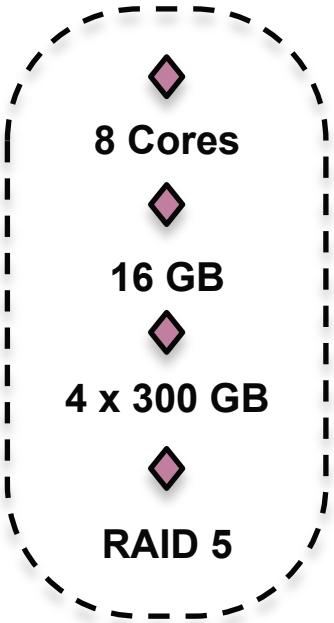
Scale numbers estimates and will be revised after testing

PRIME-NCS-APL-K9

2.4 GHz, Intel E5620

1 RU, Dual Power sup.,
Hot swappable HDD

ISO Image Avail Today



CPU

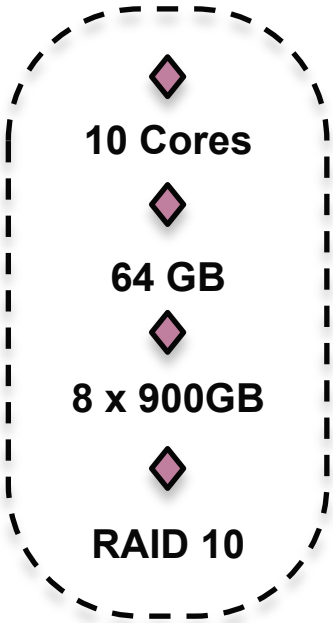
MEM

HDD

RAID

Gen1 Appliance Scale
5,000 Unif APs
3,000 Auton APs
500 WLCs
6,000 Switches + Rtrs
25 MSE
500 NAMs
10,000 Total Devices

ISO Image Avail Mar 2015



PI-UCS-APL-K9

UCSC-C220-M4S

2.30 GHz E5-2650 v3/105W 10C/
25MB Cache/DDR4 2133MHz

1 RU, Dual Power sup.,
Hot swappable HDD

Gen 2 Appliance Scale
10,000 Unif. APs
3,000 Auton APs
1,000 WLCs
10,000 Switches + Rtrs
25 MSE
1,000 NAMs
20,000 Total Devices

Physical Appliance FAQ

Current Prime Physical Appliance (Gen 1), PRIME-NCS-APL-K9

- Is four year old server platform and scheduled for EoS/EoL in Q1 CY2015
- **Yes, current PHY Appliance will support up to and including PI 2.2**

UCS based Physical Appliance (Gen 2), PI-UCS-APL-K9

- Scheduled to launch in Q1 CY2015 and orderability: Q1 CY2015
- Will support PI 2.2 or higher
- Will have a corresponding ISO image

EoL Preview

EoL/EoS
Apr 2015
Announce
ment – Oct
2014

WCS

- Product Family AIRMGMU

NCS

- Product Family AIRNCS
- Gen 1 Appliance

Prime Infrastructure 1.x

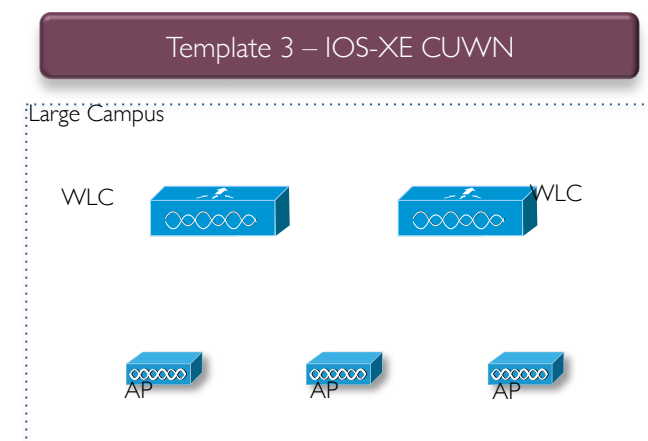
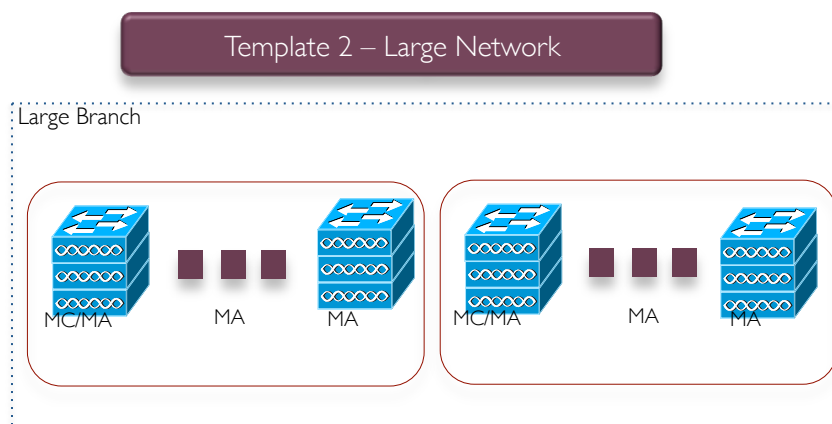
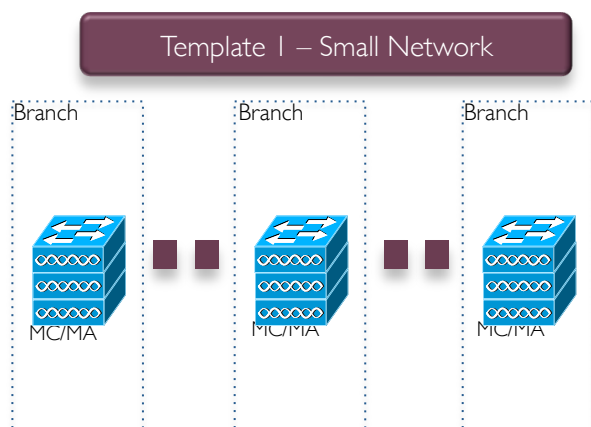
- 1.2.x
- 1.3.x
- 1.4.x
- Product Family INFRA

Simplifying Converged Access Deployment

Simplified Converged Access Deployment

Tech Pack
Dec 2014

- Supports 3 deployment models based on best practice
- CVD based prescriptive templates that can be edited
- Full tested wireless configuration for converged access enabled in less than a minute
- Guided workflow for multi-site deployment



Select the CA Workflow from Services

Tech Pack
Dec 2014

The screenshot displays the Cisco Prime Infrastructure web interface. The browser address bar shows the URL: https://192.168.116.3/webacs/loginAction.do?action=login&flashVersion=9.0.47.0&hasCorrectFlashVersion=false&product=wcs#pageId=com_cisco_xmp_web_page_ConvergedAcce. The navigation bar includes links for Dashboard, Monitor, Configuration, Inventory, Maps, Services, Reports, and Administration. The 'Services' menu is expanded, showing options like Network Services, Router Virtual Containers, Guest Users, IWAN, and Converged Access. The 'Converged Access' workflow is highlighted, showing a sequence of steps: Before You Begin, Choose Configuration, Select Devices, and Confirmation. The 'Before You Begin' step is currently active, showing a progress bar and the text 'Configurations' and 'Branch IOS-XE Wireless Controller'.

Converged Access

Before You Begin → Choose Configuration → Select Devices → Confirmation

Before You Begin

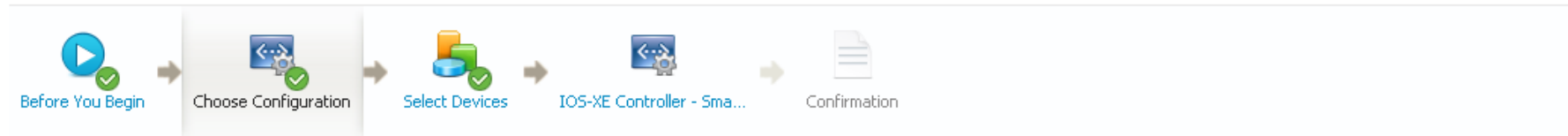
Configurations s.

Branch IOS-XE Wireless Controller

Step 1: Select the CA Design Type

Tech Pack
Dec 2014

Converged Access



Choose Configuration

This allows you to choose the available configuration options.

Select Deployment Model

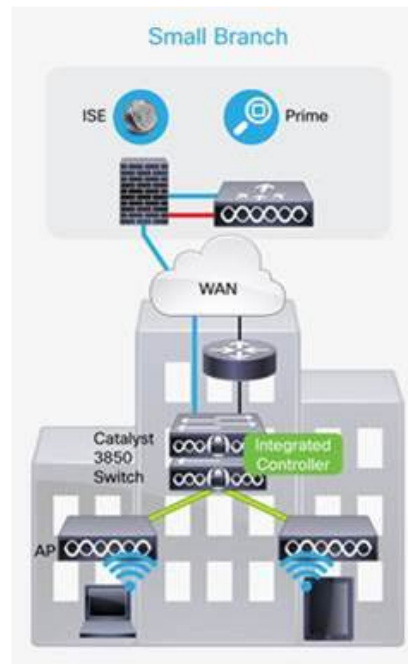
Small Branch Environment

This is normally a small site such as a satellite office or a chain store. There is typically no onsite IT support. Network reliability is critical because most network services and resources are located at the central headquarters. Any simplification and efficiency improvements at a single branch office can translate into significant savings for companies when multiplied by their large number of sites. Converged access for a small branch site can be implemented by a single stack of Cisco Catalyst 3850 switches to support local LAN and wireless needs. No dedicated WLC is needed.

Features: Advanced QoS, NetFlow, other services for wireless and wired traffic, Layer 3 visibility, and WAN efficiency.

Benefits: Management simplicity, good availability due to mobility agent/mobility controller redundancy within the Cisco Catalyst 3850 switch stack, optimized multicast, mobile device onboarding, BYOD and wireless continuity with either WAN outage or switch failure within the stack. These benefits are also shared with environments describe next.

Scalability: The Cisco Catalyst 3850 switch stack serves as wireless mobility agent and mobility controller to support up to 50 access points and 2000 wireless clients.

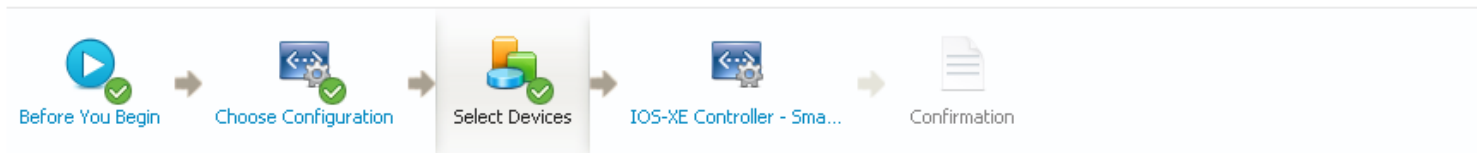


Provide design and topology for the design selection



Step 2: Select the devices


Tech Pack
Dec 2014

Converged Access



Select Devices

Devices  

Show 

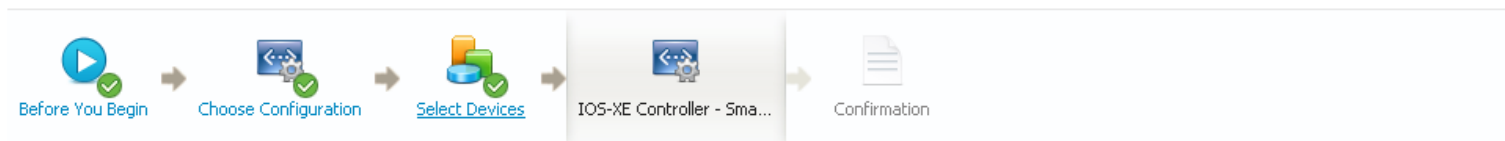
<input type="checkbox"/> Name	Description	Type	IP Address/DNS	Vendor
▼ <input type="checkbox"/> All Devices	List of All Devices			
<input type="checkbox"/> Edison-225	Edison-225	Switches and Hubs	172.20.116.225	Cisco
<input type="checkbox"/> Edison-224	Edison-224	Switches and Hubs	172.20.116.224	Cisco
<input type="checkbox"/> Edison-227	Edison-227	Switches and Hubs	172.20.116.227	Cisco
<input type="checkbox"/> Katana-228	Katana-228	Wireless Controller	172.20.116.228	Cisco
<input type="checkbox"/> Edison-226	Edison-226	Switches and Hubs	172.20.116.226	Cisco
▶ <input type="checkbox"/> Device Type	Device Type			
▶ <input type="checkbox"/> Location	Location based groups			
<input type="checkbox"/> User Defined	User Defined Device Groups			

Select the list of devices to enable converged access and guest access

Step 3: Configure details for Converged access

Tech Pack
Dec 2014

Converged Access



Values filled in the **'ALL Selected Devices'** will be used for each device. Any device specific value filled in per device, will override the value provided under **'ALL Selected Devices'**. **'APPLY'** does not check mandatory parameters for **'ALL Selected Devices'**. It is applicable only for individual devices.

Devices

	Name
<input checked="" type="radio"/>	All Selected Devices
<input type="radio"/>	Edison-225
<input type="radio"/>	Edison-224
<input type="radio"/>	Edison-227
<input type="radio"/>	Katana-228

WLAN 1

SSID Name	<input type="text"/>
ID	<input type="text" value="1"/>
Security	<input type="text" value="WPA2-Enterprise"/>
Pre-Shared Key	<input type="text"/>
Client VLAN Name	<input type="text"/>

WLAN 2

SSID Name	<input type="text"/>
ID	<input type="text" value="2"/>
Security	<input type="text" value="WPA2-Personal"/>
Pre-Shared Key	<input type="text"/>
Client VLAN Name	<input type="text"/>

WLAN 3

SSID Name	<input type="text"/>
ID	<input type="text" value="3"/>
Security	<input type="text" value="OPEN"/>
Pre-Shared Key	<input type="text"/>

Apply

- User Inputs
- SSID details
- Guest Network
- Security
- AVC configuration
- Wireless Management

Converged Access Deployed

WLAN : 4 SSID Support – WPA2-Ent/WPA2-Personal/Open/Guest-CWA, 802.11 AC, Captive Bypass-Portal, Fast SSID-Change etc.

Application Experience : Wireless Flexible Netflow, Application Visibility and Per-SSID BW allocation

Security : Radius, TACACS+, 802.1X, CWA, AAA-Override, Client Timeout, NAC, DHCP Snooping, ARP Inspection, Clear Password Encryption etc.

Wireless Best Practices : Band-Select, RRM, CleanAir, DCA Channel, Radius Timeout, WiFi Direct Policy etc

IWAN Management with Prime Infrastructure

IWAN Management with PI 2.2 Release

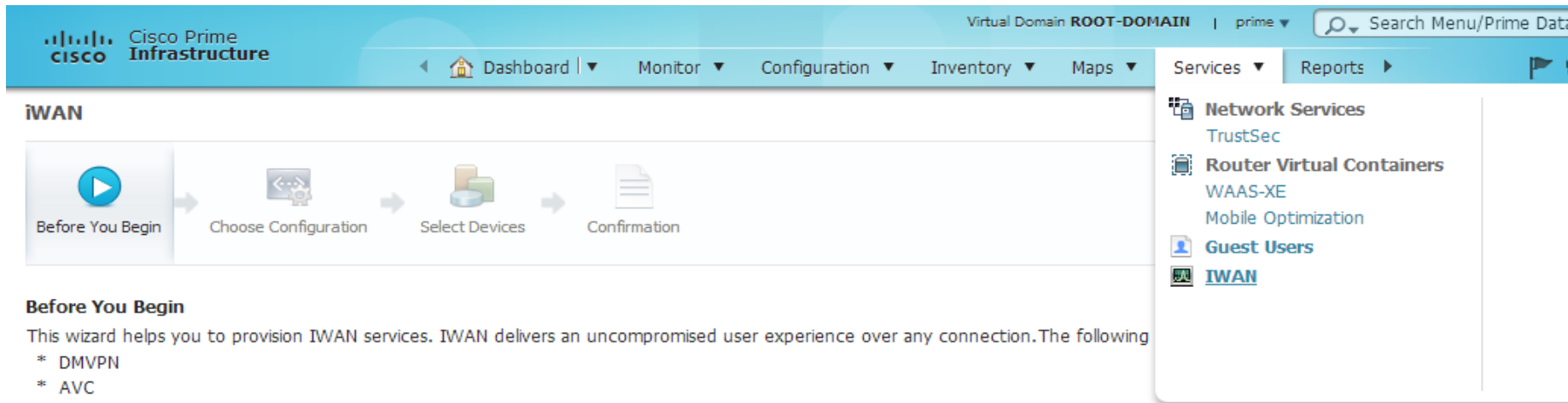
Configuration

- Workflow for IWAN Configuration for Hub/Spoke routers
 - Green-field and brown field deployments
 - Customize IWAN technology enablement
- AVC Work Center
 - Network assessment
 - NBAR Protocol Pack Management
 - Multi-device AVC configuration
 - Create and Manage custom application
- QoS Management
 - Best practices based design
 - Create/Modify/Delete
 - NBAR and DSCP based configuration support

Monitoring

- Network performance (CPU/Memory/Interface)
- Network Application Health Dashboard
- Application visibility – NBAR, ART, Perfmon
- WAAS Performance Monitoring with NAM
- QoS performance and trending
- Perfmon based troubleshooting

Step 1: Start IWAN Workflow



iWAN

Before You Begin → Choose Configuration → Select Devices → Confirmation

Before You Begin

This wizard helps you to provision IWAN services. IWAN delivers an uncompromised user experience over any connection. The following

- * DMVPN
- * AVC
- * QoS
- * PFR

Configurations

Hub Master Controller
Hub Border Router
Branch Master Controller
Branch Border Router

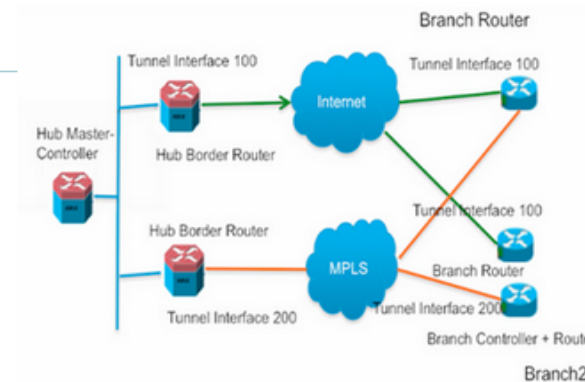
More Details

The workflow helps you to provision IWAN services. IWAN delivers an uncompromised user experience over any connection. Following features can be configured on the selected sites, based on the configuration option chosen.

Services

- Network Services
 - TrustSec
- Router Virtual Containers
 - WAAS-XE
 - Mobile Optimization
- Guest Users
- IWAN**

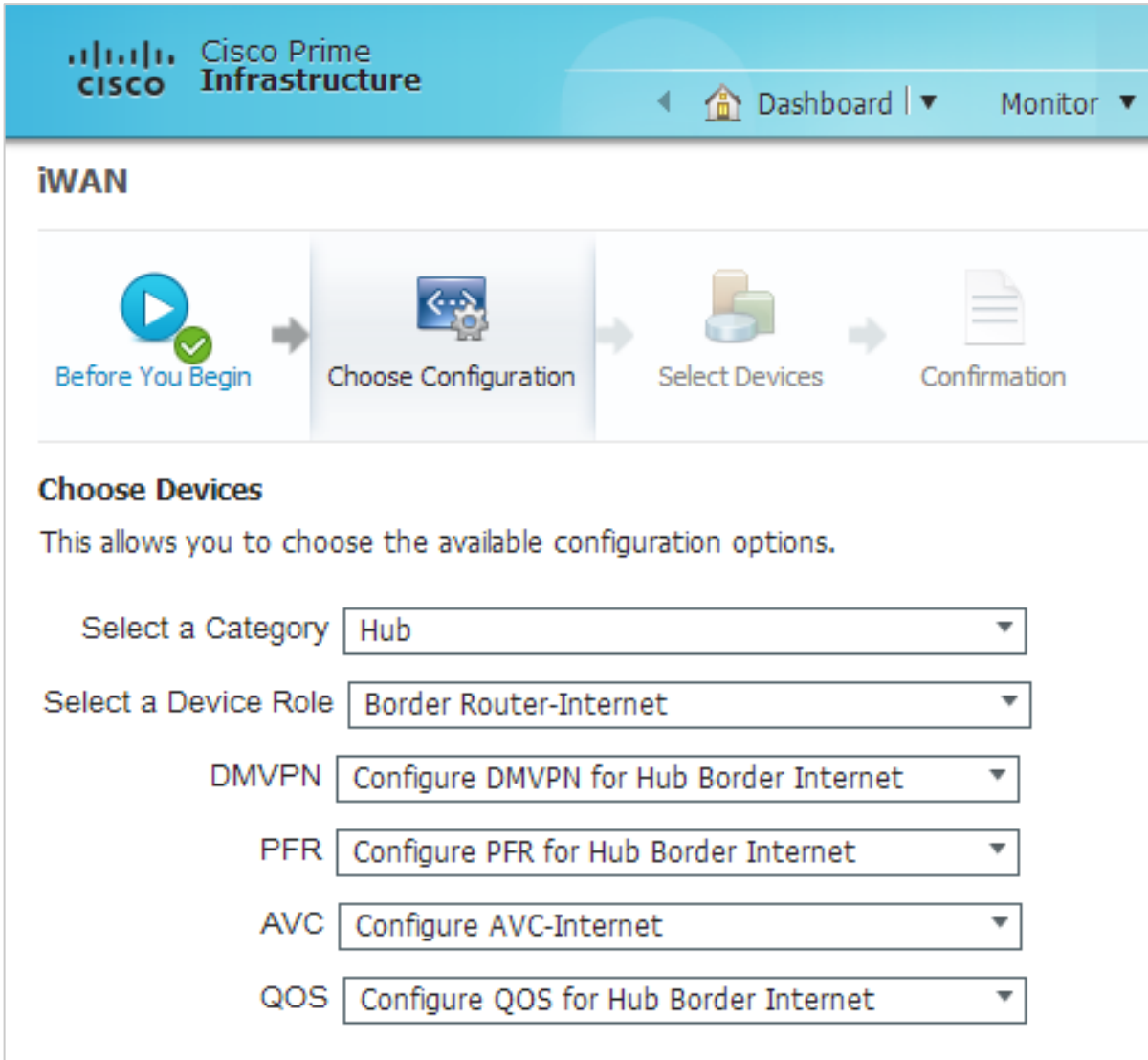
Guided Workflow to help design and deploy IWAN on your branch or hub



Before You Continue

The workflow will guide the user in designing and deploying the iWan service for an enterprise both to green field and brown field deployments. In the design flow, it allows a network administrator to plan on which branches the IWAN needs to be enabled or reconfigured based on the organization policy and in the deploy view, a network administrator or operator is allowed to deploy this service without making much change to the planned design. During designing or deploy, the configurations need to be decided for any of the above options presented in the table. Note: Any user defined templates needs to be tagged appropriately as per pre-defined tags to use in the workflow. Please refer help for more details.

Step 2: Role Selection



The screenshot shows the Cisco Prime Infrastructure iWAN configuration wizard. The top navigation bar includes the Cisco logo, 'Cisco Prime Infrastructure', and links to 'Dashboard' and 'Monitor'. The main heading is 'iWAN'. Below it is a progress bar with four steps: 'Before You Begin' (completed), 'Choose Configuration' (current step), 'Select Devices', and 'Confirmation'. The 'Choose Configuration' section contains the text 'This allows you to choose the available configuration options.' and five dropdown menus for selecting configuration options.

iWAN

Before You Begin → Choose Configuration → Select Devices → Confirmation

Choose Devices
This allows you to choose the available configuration options.

Select a Category: Hub

Select a Device Role: Border Router-Internet

DMVPN: Configure DMVPN for Hub Border Internet

PFR: Configure PFR for Hub Border Internet

AVC: Configure AVC-Internet

QOS: Configure QOS for Hub Border Internet

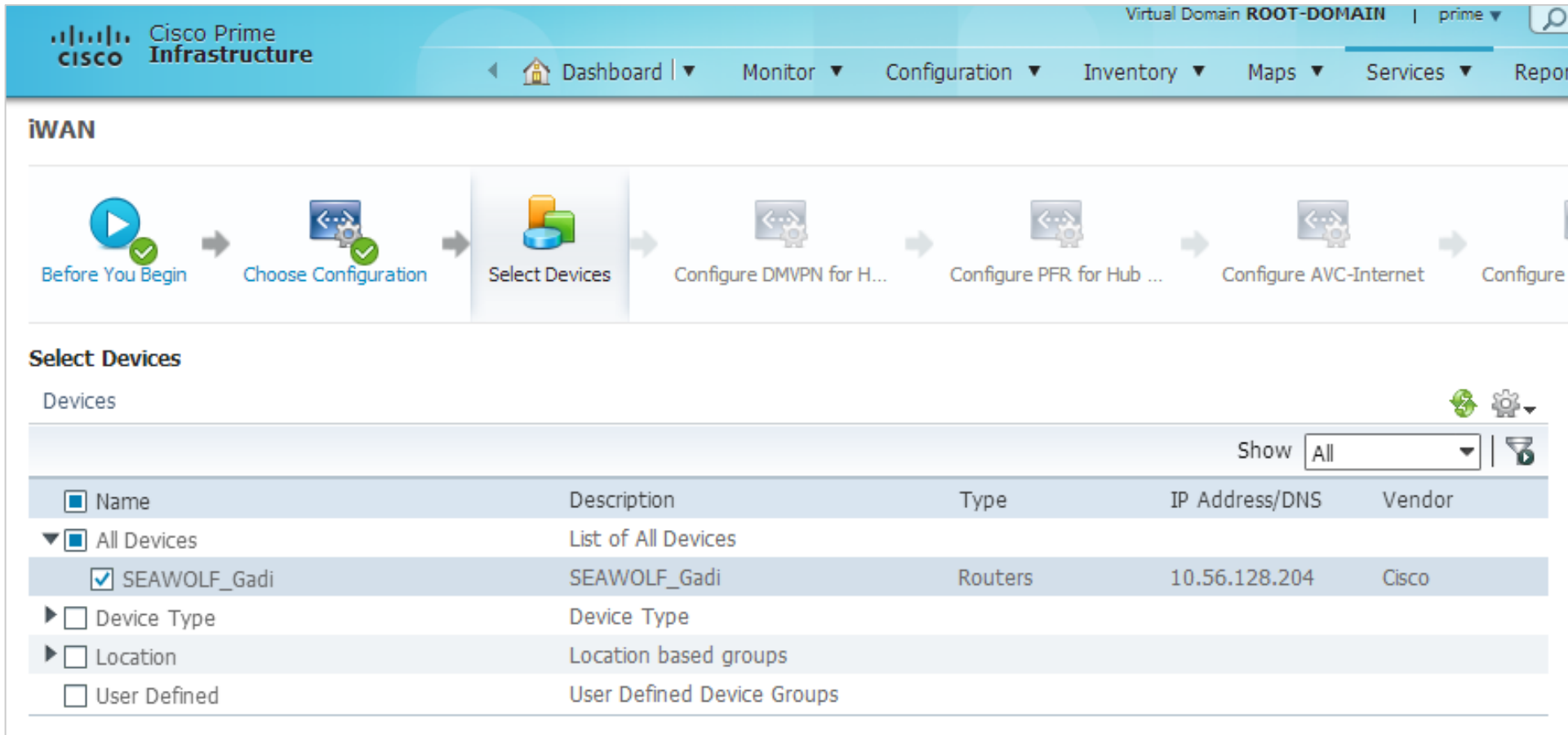
Select the PIN (hub or branch)

Identify the device role

Select the IWAN features to be configured:

- DMVPN
- PFR
- AVC
- QOS

Step 3: Device Selection



iWAN

Virtual Domain **ROOT-DOMAIN** | prime

Dashboard | Monitor | Configuration | Inventory | Maps | Services | Reports

Select Devices

Devices

Show All

Name	Description	Type	IP Address/DNS	Vendor
<input checked="" type="checkbox"/> All Devices	List of All Devices			
<input checked="" type="checkbox"/> SEAWOLF_Gadi	SEAWOLF_Gadi	Routers	10.56.128.204	Cisco
<input type="checkbox"/> Device Type	Device Type			
<input type="checkbox"/> Location	Location based groups			
<input type="checkbox"/> User Defined	User Defined Device Groups			

- Select the devices
- Hub device
 - Branch devices by location
 - Enables configuration of more than one branch

Step 4: DMVPN Configuration

Cisco Prime Infrastructure Virtual Domain ROOT-DOMAIN

Dashboard Monitor Configuration Inventory Maps

iWAN

Before You Begin → Choose Configuration → Select Devices → **Configure DMVPN for H...** → Configure PFR for Hub ... → Configure AVC-Inter

Devices

Name
<input type="radio"/> All Selected Devices
<input checked="" type="radio"/> SEAWOLF_Gadi

Feature CLI Preview

*DMVPN-Preshared-Key	3842fdfd
*DMVPN-GRE-Tunnel-IP	10.3.4.1
*DMVPN-GRE-Tunnel-Subnet-Mask	255.255.255.0
*DMVPN-Physical-Interface	GigabitEthernet0/0/1
*EIGRP_AS-Number	24
*DMVPN-GRE-Tunnel-Subnet	10.3.4.4
*Internet-WAN-Bandwidth-Kbps	1000
*Loopback_IP	10.35.30.1
*Loopback_Mask	255.255.255.0

Apply

DMVPN Configuration

- Can be part of Hub or Spoke configuration

Step 5: PfR Configuration

Cisco Prime Infrastructure Virtual Domain

Dashboard | Monitor | Configuration | Inventory

iWAN

Before You Begin → Choose Configuration → Select Devices → **Configure PFR for Bran...** → Confirmation

Devices

Name
<input type="radio"/> All Selected Devices
<input checked="" type="radio"/> SEAWOLF_Gadi

Feature CLI Preview

*PFR-BR-MC-IP

*PFR-Auth-Password

PfR Configuration

- PfR Policy on Hub
- PfR at the spoke with reference to MC
- Out of the Box 3 class model

Step 6: Quality of Service Configuration

The screenshot shows the Cisco Prime Infrastructure iWAN configuration interface. The top navigation bar includes 'Dashboard', 'Monitor', 'Configuration', 'Inventory', 'Maps', 'Services', and 'Reports'. The 'iWAN' section is active, displaying a workflow: 'Before You Begin' (play icon), 'Choose Configuration' (gear icon), 'Select Devices' (stack of bars icon), 'Configure QoS for Branch' (gear icon), and 'Confirmation' (document icon). The 'Configure QoS for Branch' step is currently selected. Below the workflow, the 'Devices' section shows a table with 'Name' and a selection column. 'All Selected Devices' is unselected, and 'SEAWOLF_Gadi' is selected. To the right, the 'CLI Preview' section shows configuration parameters: '*DMVPN-WAN-Physical-Interface' set to 'GigabitEthernet 0/0', '*QOS-Marking-LAN-Interface' set to 'Loopback0', '*MPLS-WAN-Bandwidth-Kbps' set to '10000', and '*Device Type' set to 'ProductSeries'. An 'Apply' button is located at the bottom left of the CLI Preview section.

Name
<input type="radio"/> All Selected Devices
<input checked="" type="radio"/> SEAWOLF_Gadi

Feature

CLI Preview

*DMVPN-WAN-Physical-Interface

GigabitEthernet 0/0

*QOS-Marking-LAN-Interface

Loopback0

*MPLS-WAN-Bandwidth-Kbps

10000

*Device Type

ProductSeries

Apply

QoS Configuration

- On the hub (8 class model)
- On the spoke (8 class model)
- NBAR based classification and shaping

Prime Infrastructure – Nihau Release Plan

Prime Infrastructure – PI Niihau Release*



Platform	Wireless	Wired	Datacenter
Topology - Logical	CUWN - 8.1 – ATE, MS Lync	Complete IWAN support with APIC EM Integration	UCS Service Profiles
Alarm Flexibility	Rogue and Client Management	PfR Monitoring	Nexus - VXLAN
New User Interface	AVC for Flex, Policy based AVC	Converged Access deployment Workflows	UCS-C, UCS-E Performance
Configuration Compliance		Multi-NAM /vNAM deployment	