

# What's New: CA Performance Management 2.4

Introducing our Latest Release

January 2015



# Release Overview

100% Delivered – On Time

## CA Performance Management 2.4

### Why you should upgrade to this release

- Key new features resolve challenges deploying CA Performance Management for mega scale infrastructures and will encourage more usage
- We have introduced a new way to increase speed to get the right data into the system with our new Out of Band Certification Support
- We are innovating new ways to increase speed to get the right data out of the system the way your users want to consume it – with OpenAPI

### User Experience

- ✓ Improved usability & Customer Enhancements
- ✓ New Look and Feel to improve visualization of Dashboards and PDFs
- ✓ Site/Group Navigation Improvements
- ✓ New OpenAPI interface for simple access to configuration & data extraction
- ✓ New OpenAPI fast TTV with SmartQuery Builder
- ✓ Improve Dashboard Visualization of Events with new filtering controls
- ✓ Improve Event Notification with additional event attributes and more flexible forwarding rules

### Core Processing & Storage

- ✓ Enable faster customer access to new certifications w/ out-of-band cert support
- ✓ Allow Non-DA Administrators to Configure Threshold Monitoring
- ✓ Improve Workflows to Configure Thresholds & Event Processing on all subcomponents
- ✓ Improve component level poll controls w/ enhanced filtering for all subcomponents

# Usability and Customer Enhancements

1. CSS updates for freshened look and feel
2. UI indication on dashboards to easily identify “pinned” views (those with their context fixed at the view level)
3. Site Path (breadcrumbs) when site selected in dashboard
4. Auto-expand group tree to place current selected group in view when changing groups.
5. Enhance Site group information displayed on Context page.
6. Enhance Site list views with option to show related (sibling, child) sites.
7. Changing dashboard layout should not remove all views
8. Allow non-integer threshold values in scorecards
9. Offer dynamic URLs in CAPC browser view (NPC had this)
10. Improve CSV Export formatting (offer raw data mode)
11. Increase max chart count in MultiTrend views
12. Improve layout for PDFs (focused changes only).
13. Improved Dashboard Granularity Controls
14. Privilege OnDemand Reports
15. Auto Adjust Y Axis on Trend views to improve visualization of data

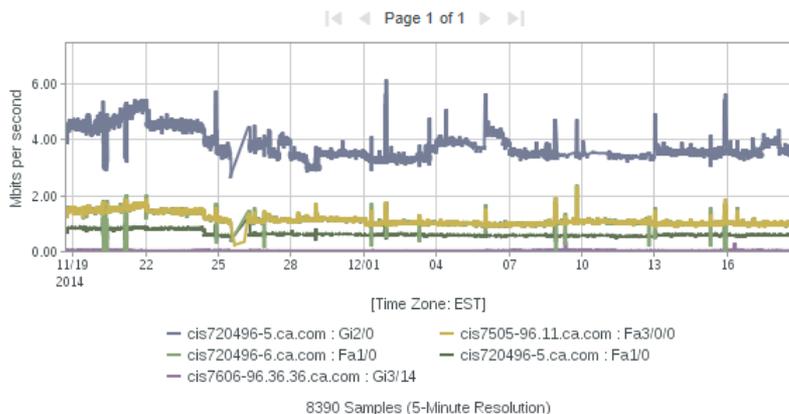
# New Look and Feel

# Trend Views - Improved Look and Feel

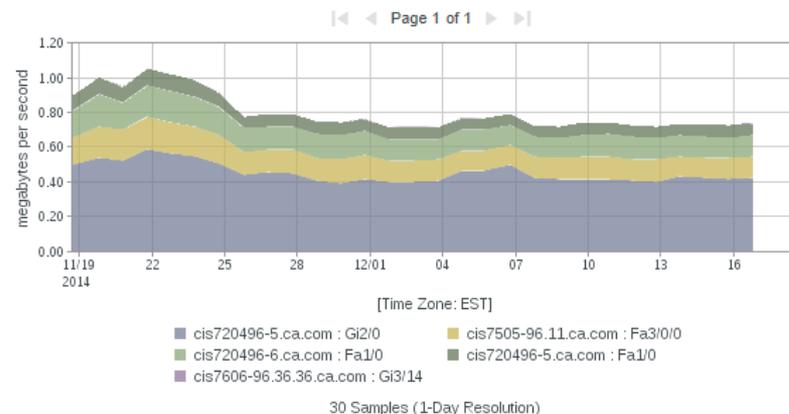
Group: All Groups [\[change\]](#)

Last 30 Days 11/18/2014 16:43 - 12/18/2014 16:43

### Multi-item Trend - Interface :: Bits - Average Rate



### Multi-Item Stacked Trend - Interface :: Bytes - Average Rate



### Scaled Trend Charts - Interface :: Bits - Average Rate



**New Support for up to 30 days "High Resolution"**



### Site Navigation

Group: All Groups Site: North America > North East [change]

Site Path (breadcrumbs) when site selected in dashboard

Last Hour 12/18/2014 16:22 - 12/18/2014 17:22

#### Regions

Site: North America

Name	Location	Owner ID	Time Zone	Business Hours ID	Path	Description
<input type="checkbox"/> North East	Northeast	admin	EST		/All Groups/North America/North East	Northeast IT Region which covers west of t...
<input type="checkbox"/> North West	Northwest	admin	PST8PDT		/All Groups/North America/North West	Northwest IT Region covering west of the...
<input type="checkbox"/> South East	Southeast	admin	EST		/All Groups/North America/South East	Southeast IT region covering East of the Mi...
<input type="checkbox"/> South West	Southwest	admin	PST8PDT		/All Groups/North America/South West	Southwest IT region covering West of the...

UI indication on dashboards to easily identify "pinned" views

#### Dynamic Peer Sites

Parent Site: North America

Name	Location	Owner ID	Time Zone	Business Hours ID	Path	Description
<input type="checkbox"/> North East	Northeast	admin	EST		/All Groups/North America/North East	Northeast IT Region which covers west of t...
<input type="checkbox"/> North West	Northwest	admin	PST8PDT		/All Groups/North America/North West	Northwest IT Region covering west of the...
<input type="checkbox"/> South East	Southeast	admin	EST		/All Groups/North America/South East	Southeast IT region covering East of the Mi...
<input type="checkbox"/> South West	Southwest	admin	PST8PDT		/All Groups/North America/South West	Southwest IT region covering West of the...

Enhance Site list views with option to show related (sibling, child) sites

#### Dynamic Child Sites

Site: North East

Name	Location	Owner ID	Time Zone	Business Hours ID	Path	Description
<input type="checkbox"/> Baltimore	Baltimore, MD	admin	EST		/All Groups/North America/North East/Baltimore	IT Infrastructure for Baltimore Colts.



## Network Device Health

Group: All Groups Site: North America > South East [\[change\]](#)

Last Hour   -

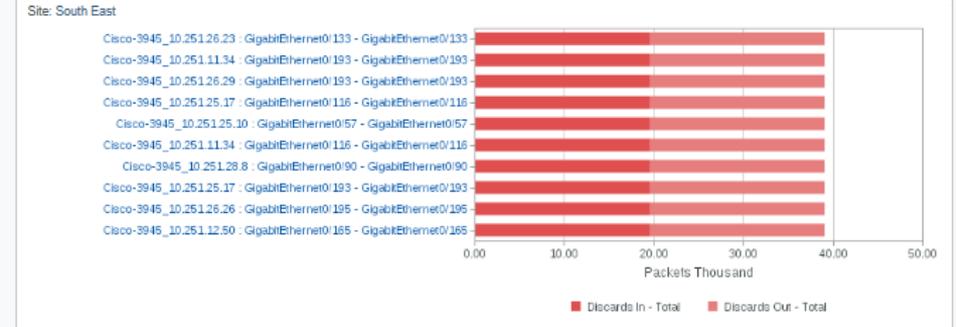
### Top Interface Errors/Discards (Table)

Site: South East

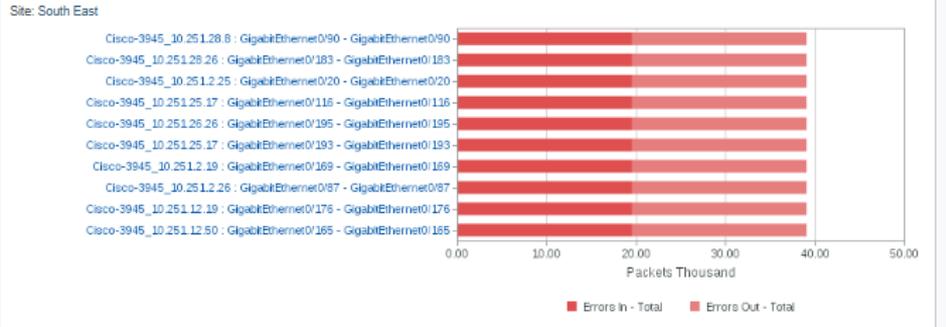
Device Name	Name	Description	Discards In - Total (Disc Packets)	Discards Out - Total (Disc Packets)	Errors In - Total (Erroneous Packets)	Errors Out - Total (Erroneous Packets)
Cisco-3945_10.251.25.17	GigabitEthernet0/116	GigabitEthernet0/116	19.515 kDiscards	19.51 kDiscards	19.508 kErrors	19.519 kErrors
Cisco-3945_10.251.27.45	GigabitEthernet0/30	GigabitEthernet0/30	19.514 kDiscards	19.508 kDiscards	19.508 kErrors	19.5 kErrors
Cisco-3945_10.251.28.14	GigabitEthernet0/100	GigabitEthernet0/100	19.514 kDiscards	19.505 kDiscards	19.503 kErrors	19.498 kErrors
Cisco-3945_10.251.2.22	GigabitEthernet0/47	GigabitEthernet0/47	19.514 kDiscards	19.502 kDiscards	19.498 kErrors	19.514 kErrors
Cisco-3945_10.251.27.44	GigabitEthernet0/34	GigabitEthernet0/34	19.514 kDiscards	19.5 kDiscards	19.514 kErrors	19.505 kErrors

Search  Page 1 of 6 Displaying 1 - 5 of 30 Max Per Page 5

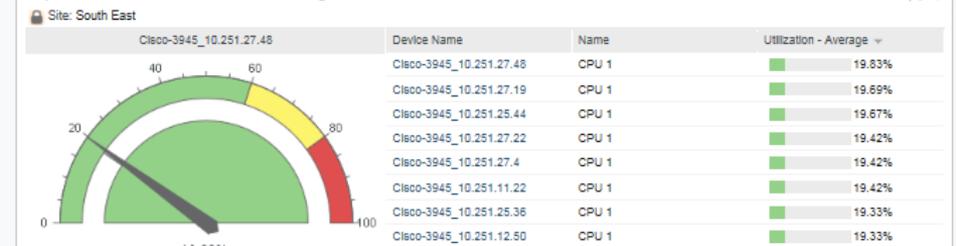
### Top Interface Discards (Bar Chart)



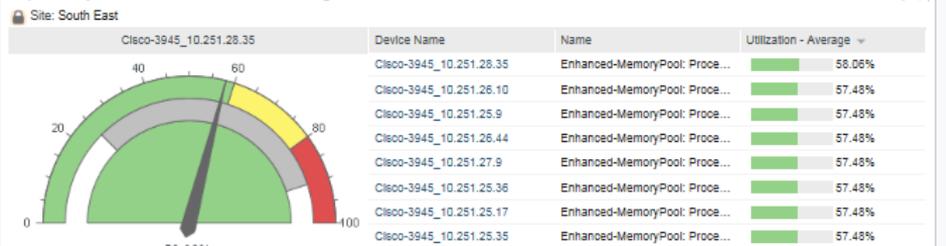
### Top Interface Errors (Bar Chart)



### Top CPU Utilization Routers/Switches - Gauge/Table



### Top Memory Utilization Routers/Switches - Gauge/Table





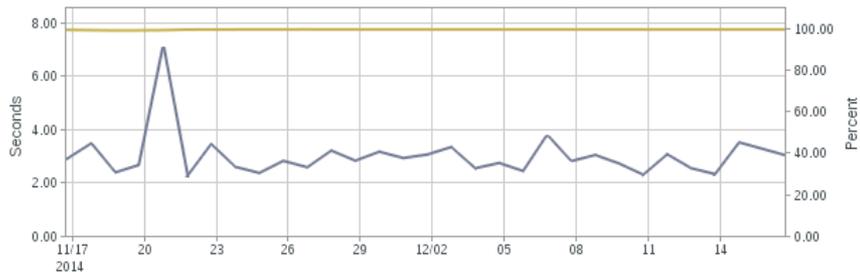
# Application Health - Self Monitoring

Group: All Groups [\[change\]](#)

Last 30 Days 11/16/2014 17:14 - 12/16/2014 17:14

## Data Aggregator JVM Health

Server: DataAggregator:10.130.156.180

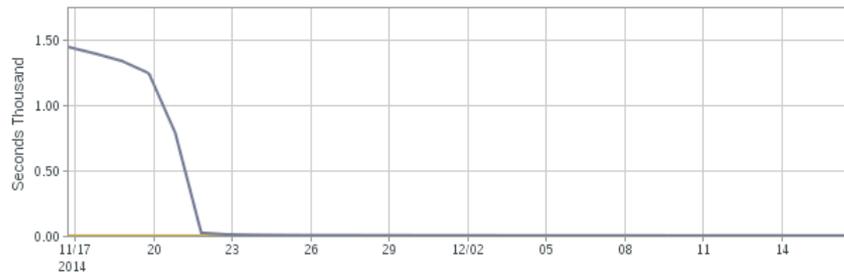


— Data Aggregator JVM Health : Application Pause Time - Maximum  
 — Data Aggregator JVM Health : Application Throughput - Average(Percent)

1-Day Resolution

## Data Aggregator ActiveMQ Health

Server: DataAggregator:10.130.156.180

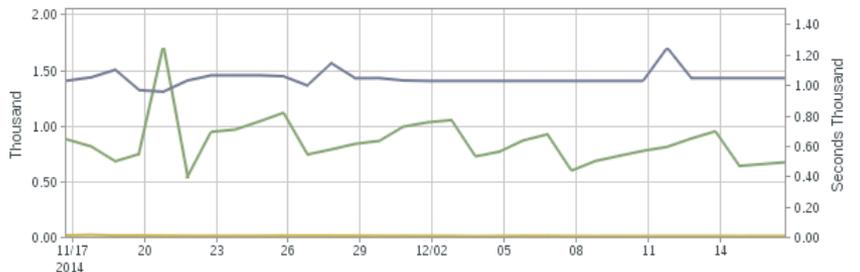


— DA ActiveMQ Broker Health : Average Enqueue Time - Total  
 — DA ActiveMQ Broker Health : ActiveMQ Health Response Time - Total

1-Day Resolution

## Data Aggregator Baseline Processing Performance

Server: DataAggregator:10.130.156.180

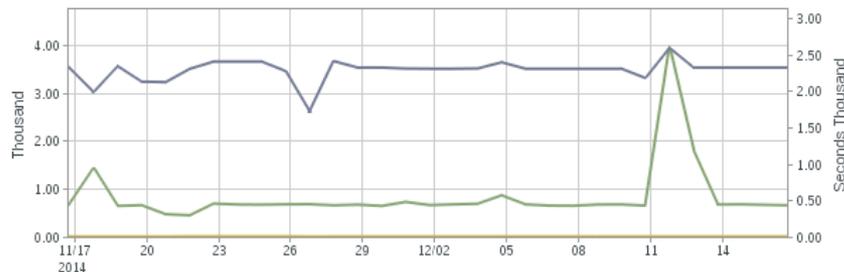


— Data Aggregator Baseline Processing Performance : Average Enqueue Time - Total  
 — Data Aggregator Baseline Processing Performance : Average Enqueue Time - Total (seconds)  
 — Data Aggregator Baseline Processing Performance : ActiveMQ Health Response Time - Total

1-Day Resolution

## Data Aggregator Rollups Processing Performance

Server: DataAggregator:10.130.156.180



— Data Aggregator Rollups Processing Performance : Average Enqueue Time - Total  
 — Data Aggregator Rollups Processing Performance : Average Enqueue Time - Total (seconds)  
 — Data Aggregator Rollups Processing Performance : ActiveMQ Health Response Time - Total

1-Day Resolution

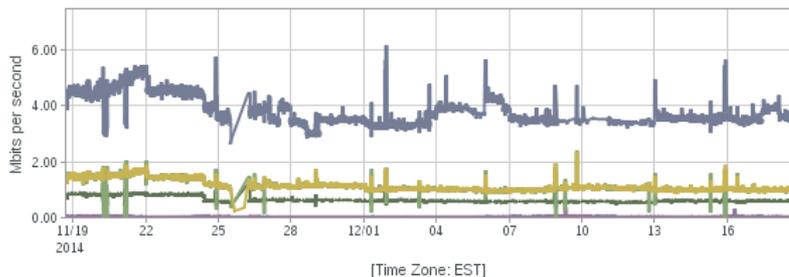
# Improved Dashboard Granularity Controls

# Trend Views - Improved Look and Feel

Group: All Groups [change]

Last 30 Days 11/18/2014 16:43 - 12/18/2014 16:43

Multi-item Trend - Interface :: Bits - Average Rate



Approved Users can (up to 30 days)  
Now change default to show 'as-poll'd'

### Edit Role Rights

Available Rights

- Delete Data Sources
- SNMP Clear Text

Selected Rights

- Run Dashboards At Higher Resolution

Search: High

OK Cancel

New Role – Right for Higher Resolution Viewing

### Context Settings

Context Type: Interface

Changing the Context Type removes all current items.

### Multi-item Trend - Settings

Title: Multi-item Trend

View Type: MultiTrend (Draws all items on one chart - Top N items at a time)

Metric Family: Interface

Metric Value: Bits - Average Rate

Resolution: 5 Minute

Sort Direction: Default (1 Day)

Chart Type: 5 Minute

Standardized Axis: 15 Minute

Metric Filtering: 1 Hour

Allows users to set

# Improved Threshold Workflows

# Administrators can more easily setup thresholds on only the metrics they care about most

- New role controls can enable Administrators to empower Engineers to setup their own thresholds w/out being a DA Administrator
- Event Profiles make it simple to set policy based thresholds on only the metrics that matter most
  - Folders and Table View make it easy to manage hundreds of rules
  - Event Rule Editor with copy makes it easier to configure complex rules
  - Group Association now lets users apply threshold policy to subcomponents
- Improved Event Notification system helps send events to the right people for the right situation



# Edit Role

Edit Role

Name: \*

Description:

Role Status:

Menu Set

Performance

Edit

### Edit Role Rights

Available Rights

- Administer DA Threshold Profiles
- Create DA Threshold Profiles**

Selected Rights

- Administer Shared Dashboards
- Create a Dashboard
- Notifications
- Demand Report Templates
- Drill into Data Sources

Threshold

Search

OK Cancel

Save Cancel

**New Role Rights allow Non-DA Admins the ability to *Create and Administer* event profiles**

# Manage Threshold Profiles

- System Settings
- Display Settings
- Notifications
- Display Settings
- Threshold Profiles

Folder View Table View

New Folder Edit Folder Delete Folder

- Alex's Profiles
  - Ethernet Backhaul - RTT (Class 1) (1)
    - ICMP Response Time Latency
  - Ethernet Backhaul - RTT (Class 2)
  - Ethernet Backhaul - Utilization
- Interfaces (2)
  - Errors In >= 3%
  - Total Utilization Greater Than 90
- On Field Coach Uplinks

Event Rules Groups Events

Event Rules

Rule Name
Latency > 50
Latency > 60

Access to configure Threshold Profiles does not require DA admin privileges

Search Page 1 of 1 Displaying 1 - 2 of 2 Max Per Page 50

Folders helps users keep Threshold Policies organized for simple administration

New Profile Copy Profile Edit Profile Delete Profile

Search Page 1 of 1 Displaying 1 - 2 of 2 Max Per Page 50



# Manage Threshold Profiles

Folder View

Table View

Name	Owner	Last Modified	Status
Backhaul to Stadium - L	Patriots_a...	Dan Holmes	Enabled
Contract Pre-Policy Pac	Adam		
Errors In >= 3%	Tim1	Tim1	Enabled
ICMP Response Time L	Tim2	admin	Enabled
Interface Utilization Critic	Dan Holmes	admin	Disabled
Total Utilization Greater	Tim1	Tim1	Enabled

Dangerously high utilization on backhaul to stadium wifi circuits

Event Rules

Groups

Events

Event Name	Metric Family	Duration	Window	Severity
Backhaul to Stadium - Utilization Critical	Interface	60 sec	600 sec	Critical

Search  Page 1 of 1 Displaying 1 - 1 of 1 Max Per Page 50

Event Conditions



Table View makes it simple to search for policies

Search  Page 1 of 1 Displaying 1 - 2 of 2

New Profile Copy Profile Edit Profile Delete Profile

Search  Page 1 of 1 Displaying 1 - 2 of 2 Max Per Page 50

## Create / Edit Threshold Profile

Name: \* ICMP Response Time Latency Owner: \* Tim2 Creation Time: Nov 4, 2014 10:00:35 PM GMT  
Description: Description field  
Folder: \* Ethernet Backhaul - RTT (0) Creation Time: Nov 21, 2014 1:56:26 PM GMT  
Status: \* Enabled

## Event Rules

Rule Name	Metric Family
Latency > 50	Response P
Latency > 60	Response P

Search

New Copy Edit

### Create / Edit Event Rule

Name: \* Latency > 50 Duration (sec): \* 60  
Description: Description field Window (sec): \* 60  
Metric Family: \* Response Path Test ICMP Severity: \* Major

A violation occurs when all of these conditions are met:

Metric: *	Operator: *	Value: *	Condition Type: *
Latency (ms)	Above	50.0	Fixed Value

+ Add Condition

A violation is cleared when:

Metric: *	Operator: *	Value: *	Condition Type: *
Latency (ms)	Below	50.0	Fixed Value

Save Cancel

Threshold	Condition Type
0	Fixed Value
0	Fixed Value

# Threshold Profiles may contain multiple Event Rules (Metric Evaluations)

## *Time Over Deviation From Normal is Supported*

## Manage Threshold Profiles

Folder View Table View

New Folder Edit Folder Delete Folder

- Alex's Profiles
  - Ethernet Backhaul - RTT (Class 1) (1)
    - ICMP Response Time Latency
  - Ethernet Backhaul - RTT (Class 2)
  - Ethernet Backhaul - Utilization
- Interfaces (2)
  - Errors In >= 3%
  - Total Utilization Greater Than 90
- On Field Coach Uplinks

### Assign Groups to Threshold Profiles

Available Groups

- All Groups
  - National Football League
  - North America
    - North East
      - Baltimore
      - Boston**
      - Buffalo
      - Chicago
      - Cincinnati
      - Cleveland
      - Detroit
      - East Rutherford
      - Green Bay
      - Indianapolis
      - Los Angeles

Selected

- Threshold Response Time Tests

Search

OK Cancel

Page 4 of 1 Displaying 1 of 1

**Threshold Profiles are assigned to Groups you've defined in CA PM Devices or ANY Subcomponents (QoS, Interface, Response Test)**

# Events Display

Group: All Groups Site: North

Last 24 Hours 12/15/2014

Events

Date

12/16/2014 15:16 EST
12/16/2014 14:02 EST
12/16/2014 14:01 EST
12/16/2014 13:13 EST
12/16/2014 13:12 EST
12/16/2014 12:53 EST
12/16/2014 12:52 EST
12/16/2014 12:43 EST
12/16/2014 12:43 EST
12/16/2014 12:03 EST

Search

Details

Filtered Events

Site: Green Bay

Search

Details

### Filtered Events

Title: \*

Sub Title:

Context Settings

Context Type:

Current Item:

- All Groups
  - National Football League
  - North America
  - Staging
  - Threshold Interfaces
  - Threshold QoS Components

Event Filter

**Data Source** **Event Type** **Threshold Profile**

<p>Severity</p> <p><input checked="" type="checkbox"/> Select/Deselect All</p> <p><input checked="" type="checkbox"/> Critical</p> <p><input checked="" type="checkbox"/> Major</p> <p><input checked="" type="checkbox"/> Minor</p> <p><input checked="" type="checkbox"/> Normal</p> <p><input checked="" type="checkbox"/> Unknown</p>	<p>Event Type</p> <p><input type="checkbox"/> Select/Deselect All</p> <p><input type="checkbox"/> Administration Event</p> <p><input type="checkbox"/> Data Repository State</p> <p><input type="checkbox"/> Override</p> <p><input type="checkbox"/> Reconfiguration</p> <p><input checked="" type="checkbox"/> Threshold Violation</p>	<p>Event Subtype</p> <p>Threshold Violation</p> <p><input checked="" type="checkbox"/> Select/Deselect All</p> <p><input checked="" type="checkbox"/> Cleared</p> <p><input checked="" type="checkbox"/> Raised</p>
---	--	---

Apply Changes:

Save Cancel Use Defaults

New Filtered Events View can filter events displayed by Event Type or Threshold Profile



Print Email 4 More

cis7606-96.36.36.ca.c...

Max Per Page 10

Max Per Page 10



# Manage Notifications

### Notifications

- Name
- Backhaul Customer Notification
- Backhaul Services Team

### Edit Notification

1 Name & Status   2 Groups   3 Conditions   4 Actions

Status: Enabled

Enabled

Data Source   Event Type   **Threshold Profile**

Available	Selected
<ul style="list-style-type: none"><li>Alex's Profiles</li><li>On Field Coach Uplinks</li><li>Interfaces<ul style="list-style-type: none"><li>Errors In &gt;= 3%</li><li>Total Utilization Greater Than 90</li></ul></li><li>Ethernet Backhaul - RTT (Class 1)<ul style="list-style-type: none"><li>ICMP Response Time Latency</li></ul></li><li>Ethernet Backhaul - Utilization</li></ul>	<ul style="list-style-type: none"><li>ICMP Response Time Latency</li></ul>

Search

New   Edit

Per Page 100

Notification Policies can now filter by our new Threshold Profile

# Improved Poll Filtering

# Administrators can more easily filter polling activity to the devices and subcomponents they most care about

- Filtering applies to ALL subcomponent types (beyond interface)
- Rules extend beyond 3 'and' rules and includes nested rules as well as 'or' conditions
- Every component will support Name and Description (some may contain more) that can be filtered with Regular Expression
- XML Tagging lets Administrators comfortable with self-service add additional attributes to filter on



# Monitoring Profiles

Monitored Inventory

Monitoring Configuration

Monitoring Profiles

Threshold Profiles

Metric Families

Vendor Certifications

Collections

System Status

## Monitoring Profiles

Name	SNMP Poll Rate
Network Interface	
Network Interface - Cisco 3945 Routers	5 minutes
Network Interface - Component Filtering	1 minute
Network Interface - Portsmouth Lab Devices	5 minutes
Network Interface - Threshold Monitoring	1 minute
Network Interface - Util	1 minute
Physical Server	5 minutes
QoS	5 minutes
QoS - Threshold Monitoring	5 minutes
Reachability	5 minutes
Response Path	5 minutes
Response Path - Threshold Monitoring	1 minute
Router	5 minutes

Search Page 1 of 1 Displaying 1 -

New Copy Edit Delete

You can setup filters for all Monitoring Profiles (Interface, QoS, Response)

Response Path Test Name	
Response Path Test Ethernet Jitter	*
Response Path Test Ethernet Ping	*
Response Path Test HTTP	*
Response Path Test ICMP	Name contains "10", or Name contains "11", or Name contains "12", or Description contains "ICMP"
Response Path Test ICMP Jitter	*
Response Path Test Jitter	*
Response Path Test Path Echo	*
Response Path Test TCP	*
Response Path Test UDP	*

Defines the identification information, configuration information, and polled metrics for response paths.

Search Page 1 of 1 Displaying 1 - 12 of 12 Max Per Page 50

Edit Filter Clear Filter

# Monitoring Profiles

- Monitored Inventory
- Monitoring Configuration
  - Monitoring Profiles
  - Threshold Profiles
  - Metric Families
  - Vendor Certifications
  - Collections
- System Status

- Monitoring Profiles
- Network Interconnectivity
- Network Interconnectivity - Routers
- Network Interconnectivity - Filtering
- Network Interconnectivity - Devices
- Network Interconnectivity - Monitoring
- Network Interconnectivity - Physical Security
- QoS
- QoS - Thresholds
- Reachability
- Response Time
- Response Time - Monitoring
- Router

## Add / Edit Filter Expression

A component is monitored for the Metric Family which

Attribute	Operation	Value
Description	Contains	ICMP

- OR
  - Name Contains "10"
  - Name Contains "11"
  - Name Contains "12"
- AND
  - Description Contains "ICMP"

Add Condition

New AND

New OR

New NOT

AND/NOT/OR

Update

Delete

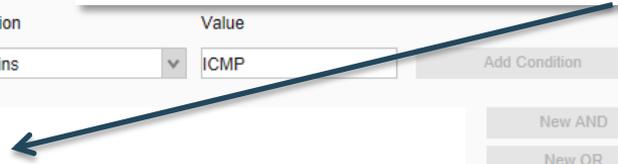
Clear

Expression  XML

(Name Contains "10") OR (Name Contains "11") OR (Name Contains "12") OR ((Description Contains "ICMP"))

Save Cancel

# Nested Rules, 'And' Rules, 'Or' Rules



...s "10", or Name contains "11", or Name or Description contains "ICMP"

Displaying 1 - 12 of 12 Max Per Page 50



# Monitored Devices

Monitored Inventory

- Monitored Devices
- Discovery Profiles
- Monitoring Configuration
- System Status

Tree View Search

Device By Collection

- All Data Aggregators
- All Devices
- All ESX Hosts
- All Imported Devices
- All Manageable Devices
- All Routers
- All Servers
- All Switches
- All Virtual Machines
- All VMware vCenters
- Cisco 3945 Routers
- Component Filtering (1)
  - cis7606-96.37.ca.com.37.ca.com ( 138.42.94.194 )
- Event Rule Validation Collection
- Frame Relay Devices
- Stadium Site Router - WiFi
- Staging Lab Devices
- Threshold Monitoring

Details Polled Metric Families Monitoring Profiles Threshold Profiles Metrics Filter Report

### Component Filter Criteria

Monitoring Profile	Metric Family	Filter
Network Interface - Component Filtering	Interface	Administrative Status does not equal down(2), and Name contains "G", and (Name contains "F" or !Speed In less than or equal to 10Mbps)
Response Path - Threshold Monitoring	Response Path Test ICMP	Name contains "10", or Name contains "11", or Name contains "12", or Description contains "ICMP"

Search Page 1 of 1 Displaying 1 - 2 of 2 Max Per Page 10

### Matching Components

Name	Description	Last Discovered
Cisco Rttmon ICMP: 0.0.0.0-138.42.241.240 : 11001	Cisco Rttmon ICMP	Dec 1, 2014 9:10:57 PM EST
Cisco Rttmon ICMP: 0.0.0.0-138.42.96.10 : 497	Cisco Rttmon ICMP	Nov 26, 2014 9:10:54 PM EST
Cisco Rttmon ICMP: 138.42.96.37-138.42.96.201 : 1250	Cisco Rttmon ICMP	Dec 4, 2014 9:11:11 PM EST

Search Page 1 of 10 Displaying 1 - 10 of 10 Max Per Page 50

Filter Report let you see the results of your filters on a per Device basis



## Monitored Devices

Monitored Inventory

- Monitored Devices
- Discovery Profiles
- Monitoring Configuration
- System Status

Tree View Search

Device By Collection

- All Data Aggregators
- All Devices
- All ESX Hosts
- All Imported Devices
- All Manageable Devices
- All Routers
- All Servers
- All Switches
- All Virtual Machines
- All VMware vCenters
- Cisco 3945 Routers
- Component Filtering (1)
  - cis7606-96.37.ca.com ( 138.42.94.194 )
- Event Rule Validation Collection
- Frame Relay Devices
- Stadium Site Router - WiFi
- Staging Lab Devices
- Threshold Monitoring

Details Polled Metric Families Monitoring Profiles Threshold Profiles Metrics Filter Report E

Metric Family	Vendor Cert	Status	Last Discovered
Response Path Test ICMP	Cisco IPSLA Statistics	Supported	Dec 16, 2014 4:36:04 PM EST
Response Path Test ICMP Jitter		Not Supported	Nov 4, 2014 4:35:10 PM EST
Response Path Test Jitter	Cisco IPSLA Jitter Precision Statistics	Supported	Dec 2, 2014 9:10:59 PM EST
Response Path Test Path Echo	Cisco IPSLA Statistics	Supported	Dec 4, 2014 9:11:11 PM EST
Response Path Test TCP	Cisco IPSLA Statistics	Supported	Nov 4, 2014 4:35:41 PM EST
Response Path Test UDP	Cisco IPSLA Statistics	Supported	Nov 21, 2014 9:10:39 PM EST

Search Page 1 of 1 Displaying 1 - 24 of 24 Max Per Page 50

Update Metric Family Update Metric Families

Response Path Test ICMP Components

Name	Description	Status	Last Discovered
Cisco Rttmon ICMP: 0.0.0.0-138.42.241.240 : 11001	Cisco Rttmon ICMP	Retired	Dec 1, 2014 9:10:57 PM EST
Cisco Rttmon ICMP: 0.0.0.0-138.42.96.10 : 497	Cisco Rttmon ICMP	Active	Nov 26, 2014 9:10:54 PM EST
Cisco Rttmon ICMP: 0.0.0.0-138.42.96.40 : 6664	Cisco Rttmon ICMP	Retired	Nov 8, 2014 11:19:36 PM EST

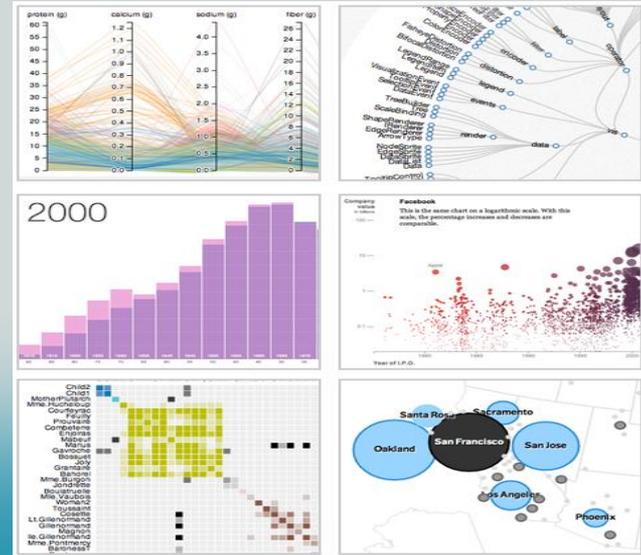
Displaying 1 - 21 of 21 Max Per Page 50

Administrators can also view results of Filters  
In the Polled Metric Families View

# Introducing OpenAPI (Beta with CA PM 2.4)

# New OpenAPI strategy focused on simplicity and ease of use – CA's Uniqueness

- Presents our API and the items defined within a logical schema rather than as a disparate set of query-able items
- Our approach is to "ask the right question"
- Extensible and Open
  - Controllable and predictable output format (XML, JSON, CSV, ATOM)
  - Large open-source movement around OData



*“In fact, for me it was probably THE BEST thing I saw all week at CA World! The possibilities this new capability represents are impressive and exciting”... Customer Blog Comment*

Source: <https://communities.ca.com/community/ca-infrastructure-management/blog/2014/11/03/first-light-part-1-questions-and-answers?sr=inbox&ru=1788170>

## Specify the Query

component >  
cpu >  
device > 3581/odata/api  
group >  
interface > **All Interfaces ...**  
qosclassmap > **associated to Devices that ...**  
Interfaces filtered by Device attributes  
router > **within Groups that ...**  
Interfaces filtered by Group attributes  
server > **associated to Routers that ...**  
Interfaces filtered by Router attributes  
switch > **associated to Servers that ...**  
Interfaces filtered by Server attributes  
**associated to Switches that ...**  
Interfaces filtered by Switch attributes

Faceted dynamic search field provides contextual recommendations

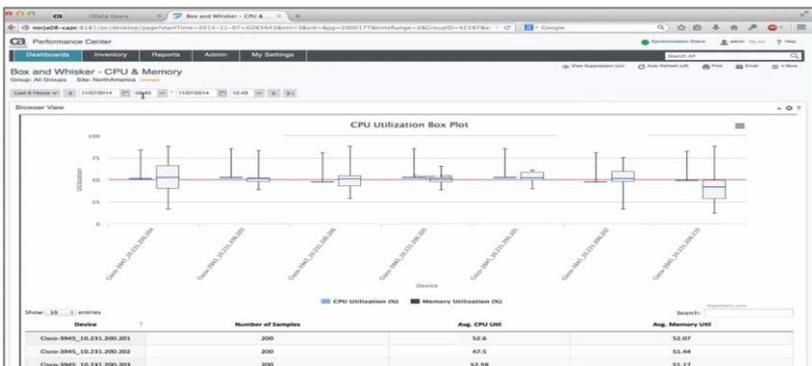
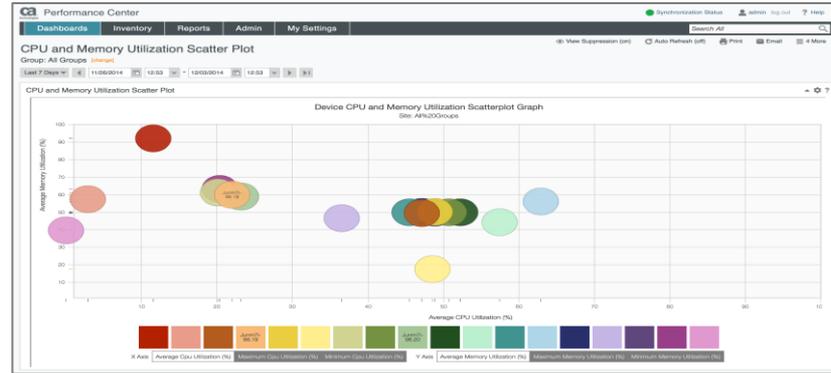
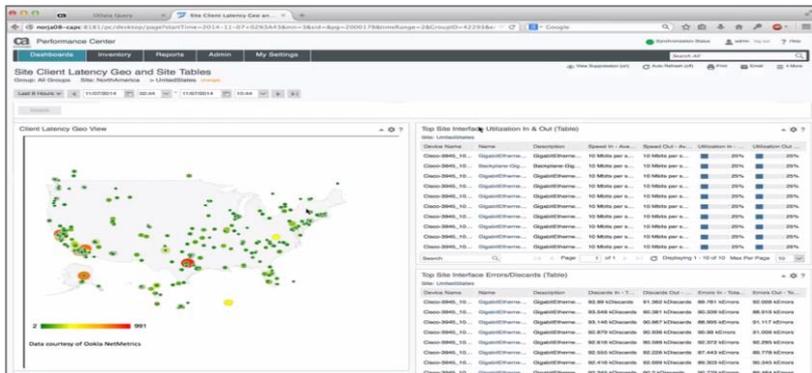
Easy access to common relationship based questions

# Making it Simple– Questions to Queries

QueryBuilder is an easy way to turn your question into a valid OData compliant and functional URL

The screenshot shows the CA Performance Management Query Builder interface. At the top left is the CA Technologies logo and the text "Performance Management Query Builder". Below this is a search bar with the text "Specify the Query". The search bar contains several filters: "device", "ColumnFilter startswith(groups/Name,'Massachusetts') eq true", "Columns ID, Name, HostName, PrimaryIPAddress", "MetricFamily availabilitymfs", "Metrics im\_Availability", "MetricFilter availabilitymfs/im\_Availability le 100", and "TimeRange Last 4 Hours". A purple callout bubble points to the "Columns" filter with the text "Select the components you want". Below the search bar is a section titled "Query URL" with a document icon. The URL is: `http://polperfa02:8581/odata/api/device?$expand=availabilitymfs&starttime=1416316230&endtime=1416330630&$filter=(startswith(groups/Name,'Massachusetts') eq true) and (availabilitymfs/im_Availability le 100)&$select=ID, Name, HostName, PrimaryIPAddress, availabilitymfs/im_Availability`. Below the URL are three teal callout boxes: "Automatically builds the Query URL for you", "Easily display /export data into 3rd Party Portals such as SAMS", and "Run and Display Query data in CA Performance Center".

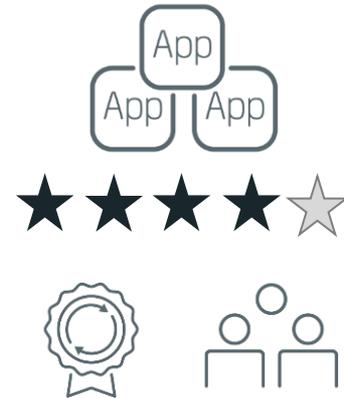
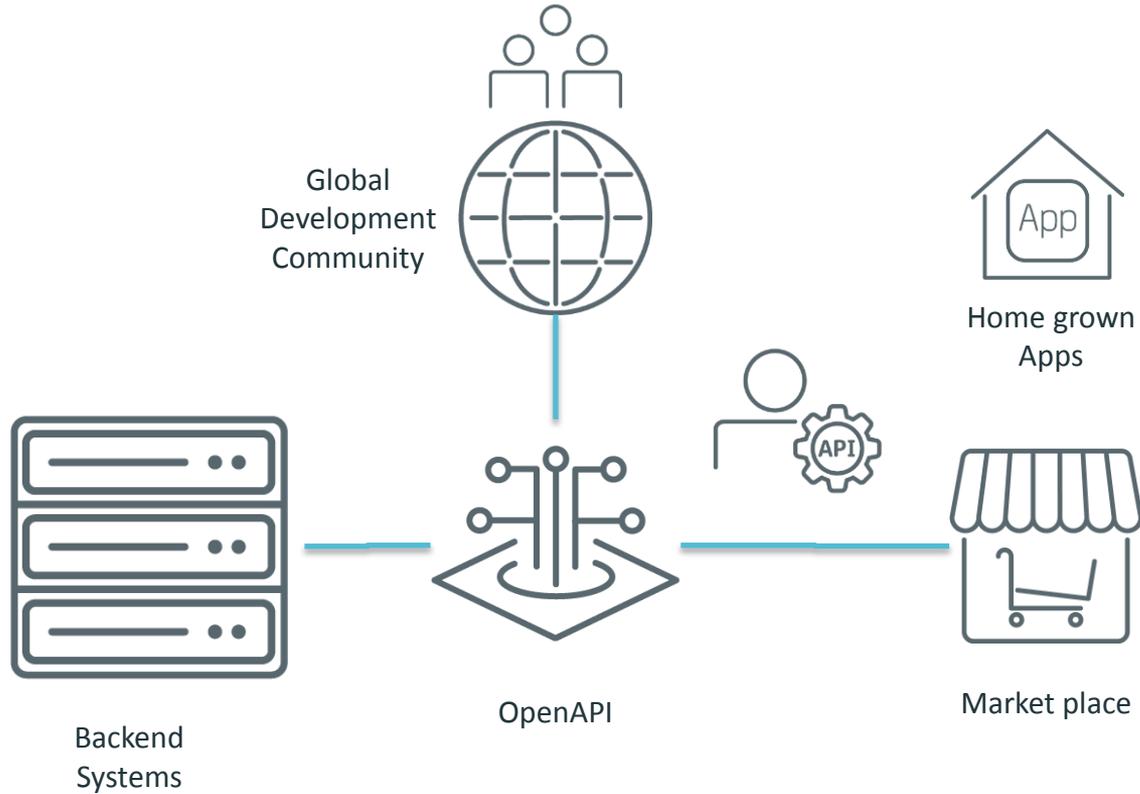
# Open API – Provides Customers a new way to create Innovative Dashboard Experiences



Sample Dashboard Reports in CA PM

1. Site Client latency Geo and Site Tables
2. CPU and Memory Utilisation Scatter Plot
3. Box and Whisker CPU and Memory

# The New Development Model



Thank you – and contact your CA  
Technologies Account Team for more  
information about CA  
Performance Management 2.4