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CA Spectrum Jaspersoft Integration

Nagesh Jaiswal
Principal Product Manager

Kiran Diwakar
Director, Product Management

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Overview

- Spectrum 10.1.1 release enables integration with JasperSoft reporting server
- Supports 6 Out Of the Box Jasper reports
- Supports Availability Domain (for ad-hoc reporting)
- Support limited only to Jaspersoft deployment on Windows platform

Spectrum Reports Help Answer the Following Questions:

- What are the devices with the most overall alarms?
- What are the most frequently occurring alarm types?
- What are the devices with the most overall alarms ?
- What are the devices with the most overall alarms in a group?
- What are the frequently occurring alarm types on a device?
- What are the most common alarms?

Benefits of Jaspersoft vs BOXI

- Simpler Installation and Configuration
- Smaller Footprint
- Easy to Schedule Reports
- Flexible Scheduling Options
  - recurrence
  - output options
  - notification options

Spectrum Reports

CA Spectrum 10.1.1 improved reporting by implementing JasperReports Server

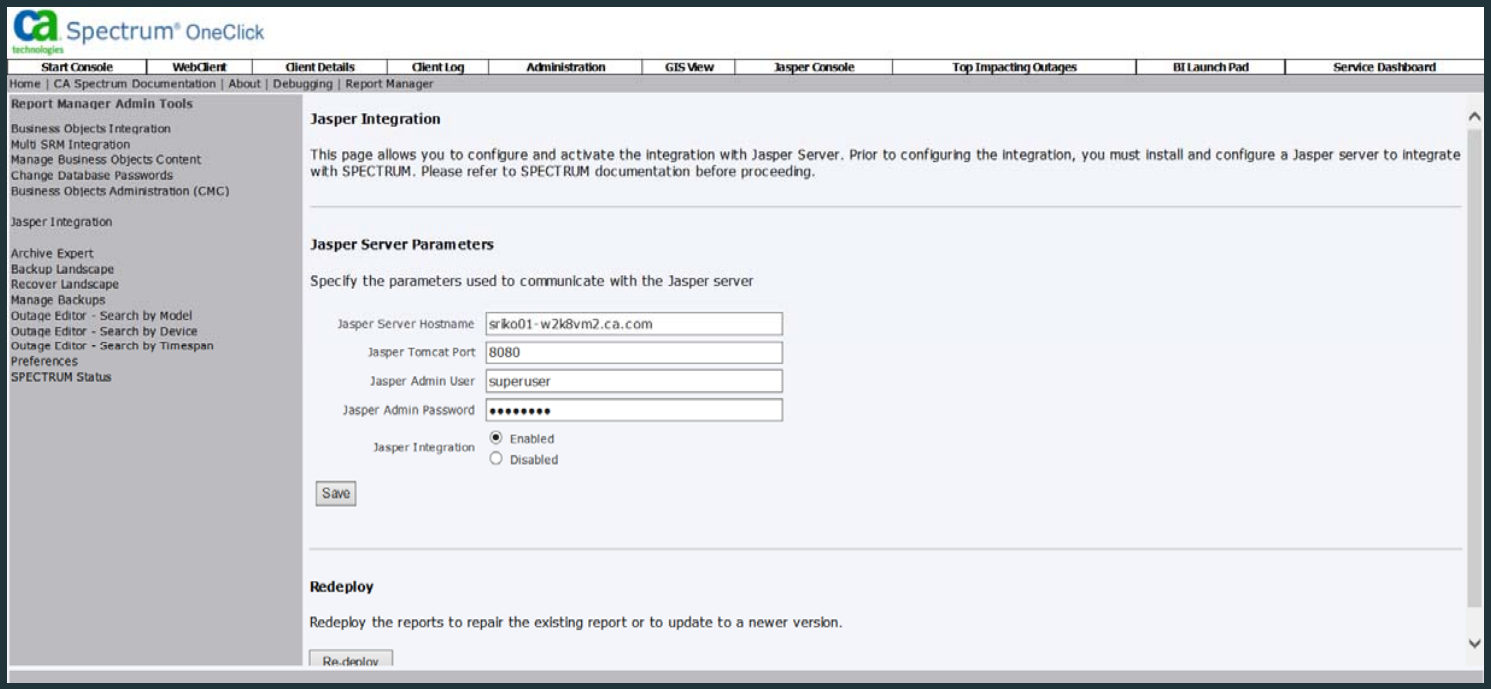
- Integrated, intuitive, web-based reporting solution
  - Alarms
  - Asset, Availability, Response Time, Change Management Reports will be implemented in upcoming Spectrum releases
- Automated and Advanced Grouping Analysis
  - User-definable groups
- Easy to Maintain & Use
  - Role-based access to reports
  - Automated Report Creation
  - Automated Report Distribution (PDF, Word, Excel)

List of Available Reports

- Reports/All
  - Alarm Activity By User
  - Top N Most Common Alarms-All
  - Top-N Devices and Modules with Most Alarms –All
- Reports/Group
  - Top-N Devices and Models with the Most Alarms-Group
  - Top-N Most Common Alarms-Group
- [illegible]s/Individual
  - [illegible] Common Alarms-Selected Devices and Models
- Availability, [illegible]ge domain will be available which enables Ad-hoc reporting

Integration with JasperSoft

- New Integration page for JasperSoft integration in Administration Page
- Link to launch Jasper Console



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Sample Spectrum Alarm Report

- Displays a list of managed devices and models with the most overall alarms
- A sub report provides details for each of the alarms for a selected device or model

SPECTRUM

Top-N Devices and Models with the Most Alarms: All

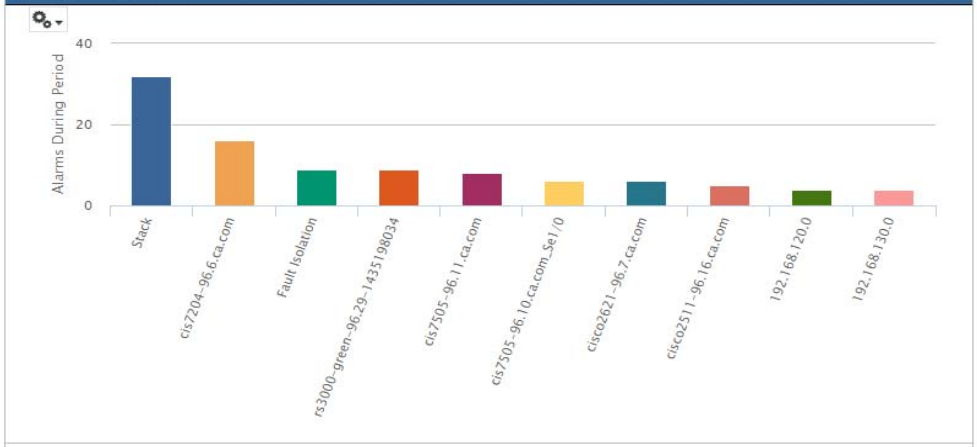
Identifies the managed devices and models with the greatest number of alarms

Report Period: Friday, January 1, 2016 12:00:00 AM to Tuesday, March 22, 2016 7:49:41 AM

Number of Elements in Report: 10

Total Alarms During Report Period: 172

Frequently Alarmed Assets



Note: Chart will always display a maximum of 10 items

Top-N Devices and Models with the Most Alarms: All

Name	Type	No of Alarms	Percentage of Total	Frequency
Stack	CiscIPMRoutApp	32	18.60%	<1 / Day

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Sample Alarm Activity by User Report

SPECTRUM

Alarm Activity by User: All

Count of alarm activities performed by each user

Report Period: Friday, May 6, 2016 12:00:00 AM to Saturday, May 7, 2016 12:00:00 AM

Alarm Report - Recovery Activities by User

User Name	No. Cleared	No. Acknowledged	No. Assigned By	No. Assigned To	No. Ticketed	Total Activity
Administrator	0	0	2	0	0	2
administrator	0	0	0	4	0	4
Administrator	2	0	1	0	0	3
administrator	0	0	0	5	0	5
Administrator	1	0	2	0	0	3
administrator	0	0	0	6	0	6
Administrator	2	0	2	0	0	4
administrator	0	0	0	6	0	6
Administrator	2	0	0	0	0	2
Albert	0	0	0	7	0	7
Moto	0	0	0	7	0	7
spectrum	7	0	84	7	0	98
SPECTRUM SOFTWARE	2042	0	0	7	0	2049
SRM	486	0	0	0	0	486
UIM/operator1	0	0	0	42	0	42
Totals	**2542**	**0**	**91**	**91**	**0**	**2724**

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Sample Top-N Most Common Alarms Report

SPECTRUM

Top-N Most Common Alarms: All

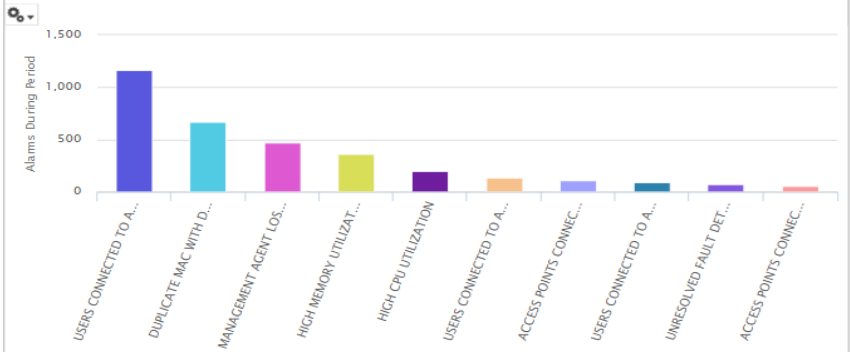
Identifies the most frequently occurring alarm types

Report Period: Friday, May 6, 2016 12:00:00 AM to Saturday, May 7, 2016 12:00:00 AM

Number of Alarm Types in Report: 10

Total Alarms During Report Period: 3660

Alarm Type



Note: Chart will always display a maximum of 10 items

Top-N Most Common Alarms: All

Alarm Name	No of Alarms	Percentage of Total	Frequency	Condition
USERS CONNECTED TO ACCESS POINT EXCEEDED CRITICAL THRESHOLD	1169	31.94	1169 / Day	
DUPLICATE MAC WITH DIFFERENT IP DETECTED	672	18.36	672 / Day	
MANAGEMENT AGENT LOST	469	12.81	469 / Day	
HIGH MEMORY UTILIZATION	357	9.75	357 / Day	
HIGH CPU UTILIZATION	203	5.55	203 / Day	
USERS CONNECTED TO ACCESS POINT EXCEEDED MINOR THRESHOLD	133	3.63	133 / Day	
ACCESS POINTS CONNECTED TO WLC CONTROLLER EXCEEDED CRITICAL THRESHOLD	105	2.87	105 / Day	

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Sample Top-N Devices and Models with the Most Alarms Report

SPECTRUM

Top-N Devices and Models with the Most Alarms: All

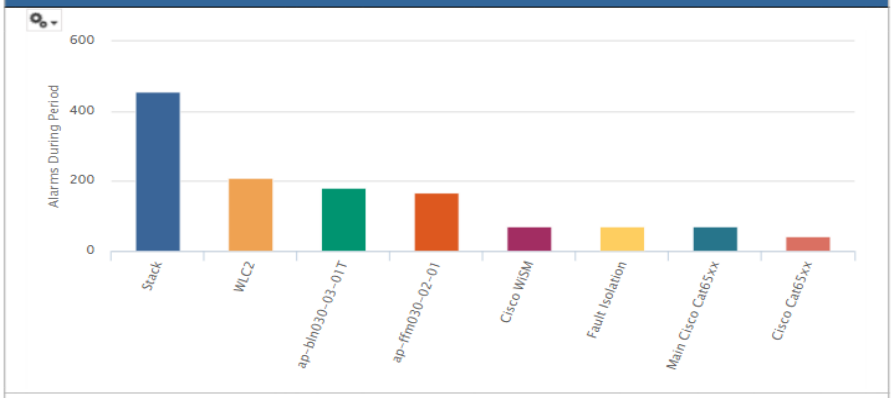
Identifies the managed devices and models with the greatest number of alarms

Report Period: Friday, May 6, 2016 12:00:00 AM to Saturday, May 7, 2016 12:00:00 AM

Number of Elements in Report: 10

Total Alarms During Report Period: 3660

Frequently Alarmed Assets



Note: Chart will always display a maximum of 10 items

Top-N Devices and Models with the Most Alarms: All

Name	Type	No of Alarms	Percentage of Total	Frequency
Stack	ExtrDevice	455	12.43%	455 / Day
WLC2	Rtr_Cisco	210	5.74%	210 / Day
ap-bln030-03-01T	AironetIOS	126	3.44%	126 / Day
ap-ffm030-02-01	AironetIOS	119	3.25%	119 / Day

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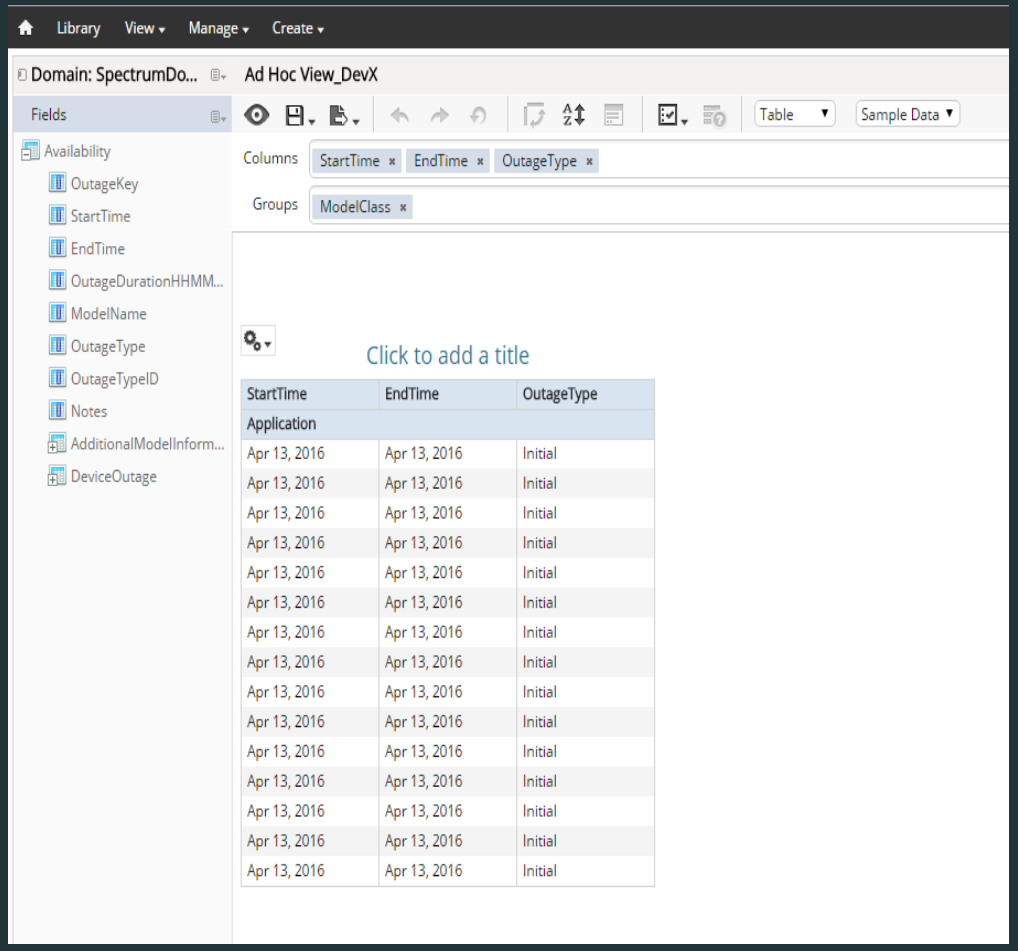
Sample Adhoc Reporting



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Upcoming Reports & Value

- Who are the most common vendors? What's the infrastructure's availability?
- What assets are deployed in the IT infrastructure?
- What firmware versions exist in the network?
- What's changed in the infrastructure?
- What outages occurred in the past?
- Where are the unused ports?
- [illegible]are the least available managed assets?
- W[illegible] most problematic managed assets?

Demo

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What's New in 10.2?

- Out of box reports for Alarms, Asset, Availability, Events and SLA
- Adhoc reports for Asset, Events, Alarm and Alarm Activity
- Linux OS Support for JasperSoft
- Single Sign on
- Automated install
- LDAP integration

	Report Title	Category	Sub-category
1	Current Assets: All	Asset	All
2	Current Ports Detail: All	Asset	All
3	Current Ports Summary: All	Asset	All
4	Current Assets: Group	Asset	Group
5	Current Ports Detail: Group	Asset	Group
6	Current Ports Summary: Group	Asset	Group
7	Current Asset Detail: Selected Devices	Asset	Individual
8	Current Ports Detail: Selected Devices	Asset	Individual
9	Current Ports Summary: Selected Devices	Asset	Individual
10	Availability by Class and Vendor: All Devices	Availability	All
11	Outage Log: All Devices	Availability	All
12	Top-N Least Available: All Devices	Availability	All
13	Availability: Group	Availability	Group
14	Outage Log: Group	Availability	Group
15	Top-N Least Available: Group	Availability	Group
16	Availability: Selected Devices	Availability	Individual
17	Availability: Selected Models	Availability	Individual
18	Alarm Log:All	Alarm	All
19	Alarm Log:Group	Alarm	Group
20	Alarm Log:Selected Devices and Models	Alarm	Individual
21	Top N Most common Alarms:Selected Devices and Models	Alarm	Individual
22	Top-N Devices and Models with the Most Events: All	Event	All
23	Top-N Most Common Events: All	Event	All
24	Top-N Devices and Models with the Most Events: Group	Event	Group
25	Top-N Most Common Events: Group	Event	Group
26	Detailed Event Log: Selected Device or Model	Event	Individual
27	Customer Detail	SLA	Service and SLA (Customer)
28	Customer SLA Summary	SLA	Service and SLA (Customer)
29	Service Availability by Service Customer	SLA	Service and SLA (Customer)
30	Service Health by Service Customer	SLA	Service and SLA (Customer)
31	Service Summary by Service Customer	SLA	Service and SLA (Customer)
32	SLA Detail by Customer	SLA	Service and SLA (Customer)
33	SLA Inventory by SLA Customer	SLA	Service and SLA (Customer)
34	SLA Status Current and Recent by Customer	SLA	Service and SLA (Customer)
35	SLA Summary by Customer	SLA	Service and SLA (Customer)

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