

CISCO *Live!*

GO BEYOND

#CiscoLiveAPJC



The bridge to possible

Cisco Catalyst Center & Targeting Event Notifications via Webex Messaging

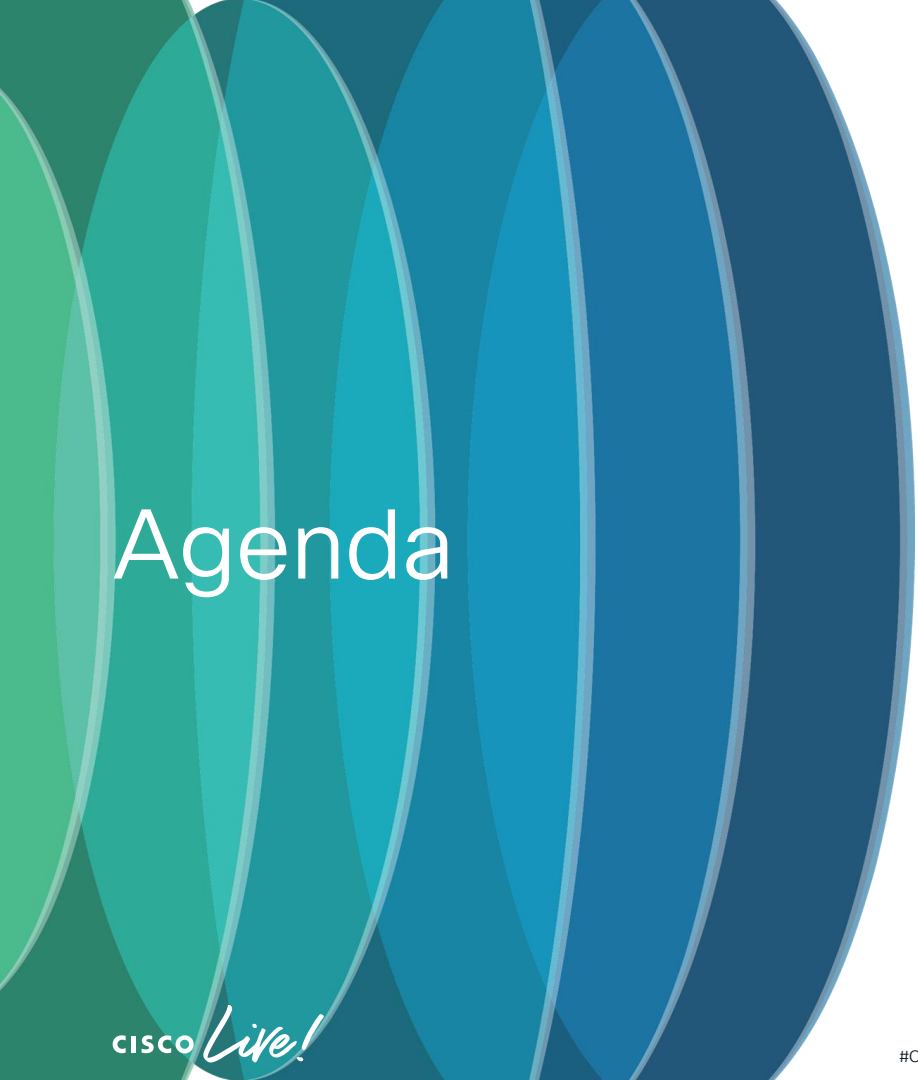
Michael Lipsey – Solutions Engineer

@ccie42683

Session ID DEWKS-2041

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Agenda

- Introduction
- Catalyst Center & Event Notifications
- Lab/Demo
- Conclusion

Login For Laptops:
Username == devnet
password == cisco

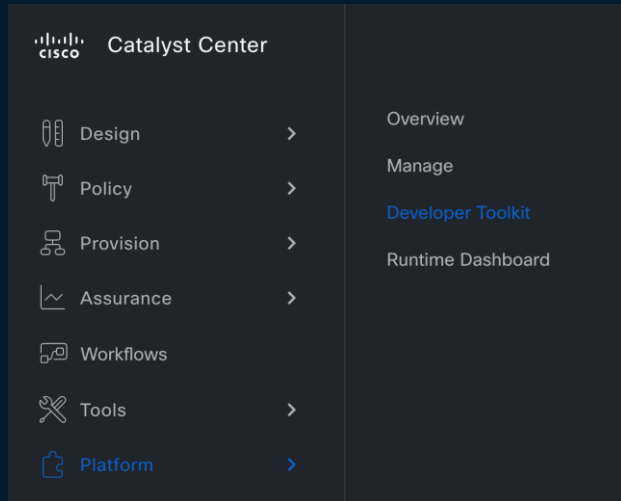
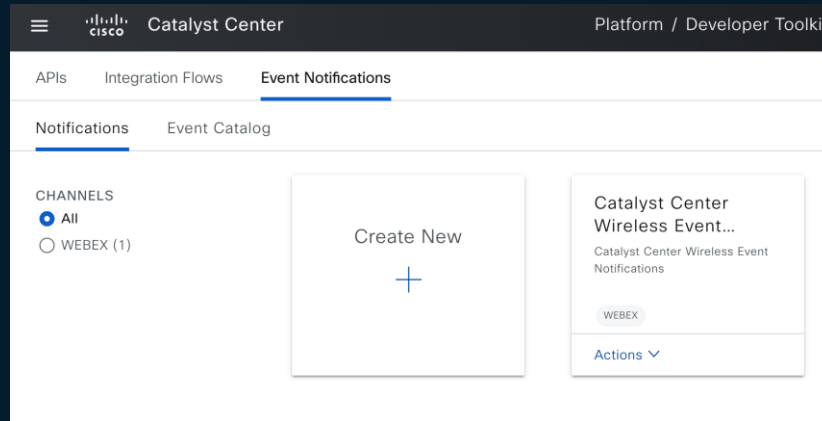
My Goals Today

Most importantly - I want you to come away with the knowledge you need to be able to execute on this workshop easily.

I'm happy to schedule some time with you to review the workshop material either during Cisco Live if you have time or we can just find some time after Cisco Live.

You can reach me via email or Webex @ milipsey@cisco.com

Catalyst Center Event Notifications



Catalyst Center Event Notifications

Catalyst Center

Platform / Developer Toolkit

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APIs

Integration Flows

Event Notifications

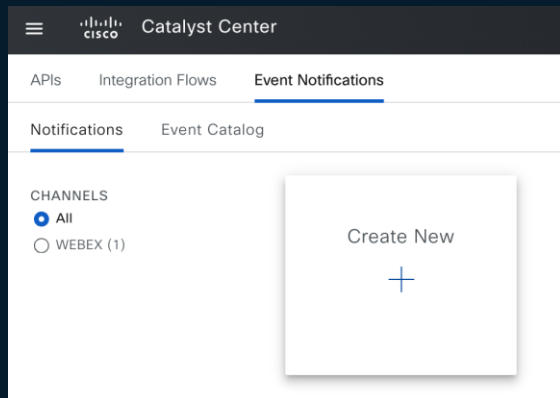
Notifications

Event Catalog

🔍 RF

Event ID ▾	Name	Type	Category	Severity
NETWORK-DEVICES-1-271	WAN Interface Down	NETWORK	ALERT	1
NETWORK-DEVICES-3-109	Poor RF (2.4 GHz) on a floor	NETWORK	WARN	3
NETWORK-DEVICES-3-110	Poor RF (5 GHz) on a floor	NETWORK	WARN	3
NETWORK-DEVICES-3-115	Poor RF (6 GHz) on a floor	NETWORK	WARN	3
NETWORK-DEVICES-3-208	High input/output Utilization on Switch Interfaces	NETWORK	WARN	3
NETWORK-DEVICES-3-209	High input/output Error on Switch Interfaces	NETWORK	WARN	3
NETWORK-DEVICES-3-210	Interface Flapping On Network Device	NETWORK	WARN	3
NETWORK-DEVICES-3-215	High input/output Discard on Switch Interfaces	NETWORK	WARN	3

Targeting Event Notifications



21 Selected

Event Name	Channels Supported
☒ AP disconnected from WLC	REST SYSLOG EMAIL WEBEX PAGERDUTY
☒ AP License Exhausted on WLC	REST SYSLOG EMAIL WEBEX PAGERDUTY
☒ AP(s) disconnected from WLC on Switch	REST SNMP SYSLOG EMAIL WEBEX PAGERDUTY
☒ Fabric WLC to MapServer Connectivity	REST SYSLOG EMAIL WEBEX PAGERDUTY
☒ Wireless clients failed to connect - WLC configuration error	REST SYSLOG EMAIL WEBEX PAGERDUTY
☒ Wireless clients failed to roam - Client Exclusion Policies on the WLC	REST SYSLOG EMAIL WEBEX PAGERDUTY
☒ Wireless clients failed to roam - WLC configuration mismatch	REST SYSLOG EMAIL WEBEX PAGERDUTY

Targeting Event Notifications

WLC Reboot Unexpectedly

Event Details

Notifications

Try-It Now

GENERAL INFORMATION

Description: WLC has rebooted due to a hardware or software crash

Event ID:	NETWORK-DEVICES-2-152	Version:	1.0.0
Namespace:	ASSURANCE	Severity:	2
Domain:	Know Your Network		
Subdomain:	Devices		
Category:	ERROR		

Notification

Event Name WLC Reboot Unexpectedly	Event Id NETWORK-DEVICES-2-152	
Instance Id c189b476-7c5c-4014-917b-959d4b092ced	Name WLC Reboot Unexpectedly	
Description WLC has rebooted due to a hardware or software crash		
Namespace ASSURANCE	Context EXTERNAL	Source EXTERNAL
Type NETWORK	Category ERROR	Severity 2
Domain Know Your Network	Sub Domain Devices	
Details <pre>1 { 2 "Type": "\$eventSource\$", 3 "Assurance Issue Priority": "\$priority\$", 4 "Assurance Issue Details": "This WLC \$wlcName\$ has rebooted due to a hardware or software crash.", 5 "Device": "\$eventUniqueId\$", 6 "Assurance Issue Category": "\$eventSource\$"</pre>		
Cancel		Publish

Targeting Event Notifications

Notification

Event Name

WLC Reboot Unexpectedly

Event Id

NETWORK-DEVICES-2-152

Result

Notification ▾	Channel	Status	Message
Catalyst Center Wireless Event Notifications	WEBEX	● PUBLISHED	

Catalyst Center Wireless Events ☆

Messages People (3) Content Meetings

New messages



CATCUSER20-WirelessEventsBot 1:46 PM

Cisco DNA Center Notification

Source DNA198.18.129.101

Center IP:2

Severity:2

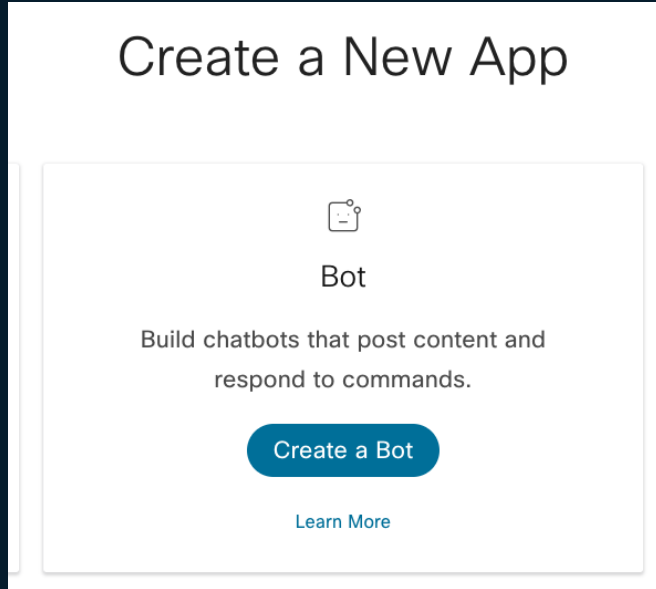
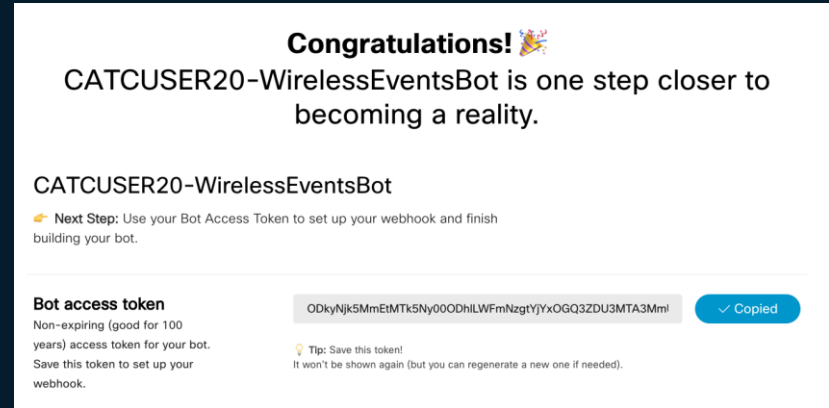
Category:ERROR

Timestamp:2024-05-30 20:46:43

Issue Name:WLC has rebooted due to a hardware or software crash

Issue Description:This WLC has rebooted due to a hardware or software crash.

Sending Events to Webex



Sending Events to Webex

EDIT NOTIFICATION

WEBEX



Updating the values for this instance will affect other Notifications that are using this instance.

SERVICE CONFIGURATION

Select Instance

WirelessEvents



Webex URL*

https://webexapis.com/v1/messages

Webex Room Id*

Y2lzY29zcGFyazovL3VybjpURUFNOHVzLXdld3QtMI9yL1JPT00vODAzNDMzNzAtMWVjNS0xMWVmL
TlhNjltZWl0MDEwZDImMGQx

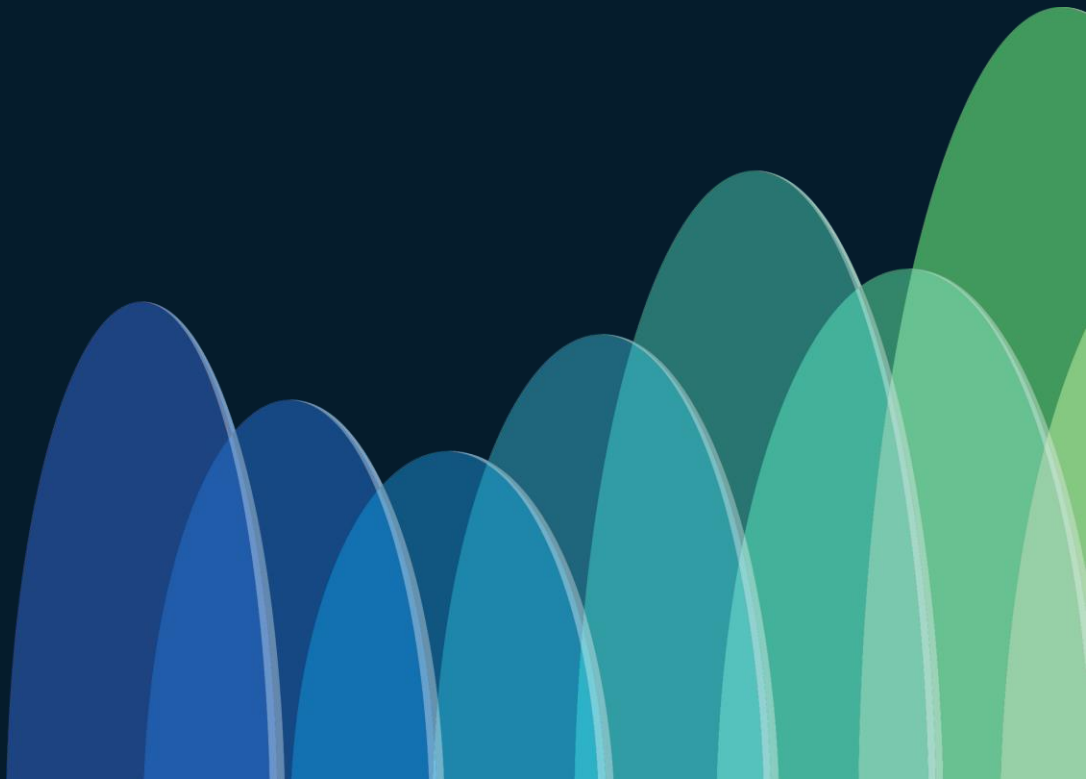
Webex Bot Access Token*

..... [SHOW](#)

Lab Links

- Catalyst Center: <https://198.18.129.100>
- Webex Browser App: <https://web.webex.com/dashboard>
- Webex App Hub: <https://apphub.webex.com>
- Webex Developer Site: <https://developer.webex.com>
- Webex Developer API Documentation (rooms section):
 - <https://developer.webex.com/docs/api/v1/rooms/list-rooms>
- Webhook Testing Site: <https://webhook.site>

Wrap Up



...where to go to continue learning:

DevNet (*always!*)

<https://developer.cisco.com>

[Learning Labs](#)

[Webex Webhooks](#)

Keynote Deep Dives

Wednesday
10:30am – 11:30am



Experiences Amplified:
How AI Can Fuel
Better Employee
and Customer
Experiences

Level 1
Room 106



Smart, Secure,
Seamless:
Transforming
Experiences with
Next-Generation
Networking

Level 2
Room 204



Harness a Bold
New Era:
Transform Data
Centre and
Service Provider
Connectivity

Level 2
Room 203



Securing User to
Application and
Everything in
Between

Level 2
Melbourne Room 2



Unlocking
Digital Resilience
through Unified
Observability

The HUB
Centre Stage

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- Attend the interactive education with DevNet, Capture the Flag, and Walk-in Labs
- Visit the On-Demand Library for more sessions at www.CiscoLive.com/on-demand

Contact me at: **Insert preferred comms method**



Thank you

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