

# **View and Manage Events**

- Events Dashboard Overview, on page 1
- View Device Events, on page 1
- View Endpoint Events, on page 4

# **Events Dashboard Overview**

The **Events** dashboard provides a contextual view of events for devices (routers, switches, wireless controllers, APs) and endpoints (wired and wireless). Instead of having to search for events triggered by devices that are connected to other devices involved in an event, Assurance provides these details for you.

By default, the **Events** dashboard displays a timeline chart and a list view.

The timeline chart provides a color representation of the number of events by device type that occurred over a period of time.

The list view displays a table of events. Up to 10,000 events can be displayed, even if more events have been logged. You can export up to 5000 events to a CSV file. However, if there are more than 5000 events, the export capability is disabled.

From the list view, you can click an event to view its details, including events triggered by connected devices. You can configure the event time period in 15-minute increments, up to one hour (+/- 15 minutes, +/- 30 minutes, +/- 45 minutes, +/- 1 hour).

When you select more than one event, you can view multiple cards with event details. When you have multiple event cards displayed, you can minimize, maximize, and close cards. For example, to view the connected device events table for an event, maximize the event card. To return to the multiple card view, minimize the card.

### **View Device Events**

Use this procedure to view events generated by routers, switches, wireless controllers, and APs.

**Step 1** Click the menu icon  $(\equiv)$  and choose Assurance > Dashboards > Issues and Events.

The Events dashboard opens with Device selected as the Category Type by default.

ssues 🗸	Events								
4: Router Switch Tireless Controller AP Wired Endpoints Tireless Endpoints	30p						=		4:30p < > ©
	6p	8p	10p	7/19	2a 4a	6a 8a	10a	12p 2p	4p
Category Ty	2741) () pe Devices er Table	Endpoints	Rout	er: 4 Swit	ch: 2736 Wireless Con	troller: 1 AP: 0		∱ Exp	oort 🔅
0 Selected									
Eve	nt Name		Status	Severity	Timestamp -	Device Name		Event Type	Device IP
DE	/ICE_AVAILABILITY	REACHABLE	•	Warning	Jul 19, 2022 10:04:13.9	77 AM * HUB-MPLS		Device Event	10.64.92.152
DE	/ICE_AVAILABILITY	REACHABLE	•	Warning	Jul 19, 2022 10:04:00.4	77 AM ** Branch-3-0	Gateway	Device Event	10.64.92.161
DE	/ICE_AVAILABILITY	REACHABLE	•	Warning	Jul 19, 2022 10:03:59.7	21 AM ** Branch-1-1	MPLS.cisco.com	Device Event	10.64.92.155
DE	/ICE_AVAILABILITY	REACHABLE	•	Warning	Jul 19, 2022 10:03:59.7	10 AM ** Branch-1-I	NET	Device Event	10.64.92.156

#### Figure 1: Device Events Dashboard

Device Events Dashboard			
ltem	Description		
Global	• Click Global in the top menu bar to choose the site, building, or floor from the Site hierarchy.		
	• Click next to the location icon and choose <b>Site Details</b> to view the event counts for each site.		
	• Choose <b>Hierarchical Site View</b> or <b>Building View</b> from the drop-down list. Based on what you choose, the table is refreshed.		
	• From the <b>Go to sites</b> column, click for a site or building to display events for only that location.		

ſ

Device Events Dashboard				
ltem	Description			
S Time Range setting	<ul> <li>Allows you to display information on the window based on the time range you select. The default is 24 Hours. Do the following:</li> <li>a. From the 24 Hours drop-down list, choose a time range: 3 hours, 24 hours, or 7 days.</li> <li>b. Specify the Start Date and time, and the End Date and time.</li> <li>c. Click Apply. This sets the range of the timeline.</li> </ul>			
Timeline Slider	Allows you to specify a more granular time range. Click and drag the timeline boundary lines to specify the time range. The colors represent the device type: Router			
	<ul> <li>Switch</li> <li>Wireless controller</li> <li>AP</li> <li>The intensity of the color indicates its significance, whether more or fewer events have occurred for that device. For example, a lighter shade of blue indicates fewer router events than a deeper shade of blue.</li> </ul>			
Total Events	The total number of events for all device types for a specific time range.			

# **Step 2** Under **Events**, for the **Category Type**, click the **Router**, **Switch**, **Wireless Controller**, or **AP** tab to display a list of events for that device type in the table.

Events Table				
Item	Description			
Event Name	Name of the event.			
	Click the event name to open a slide-in pane with details about the event.			
Status	Status of the device.			
	The color represents the severity of the event.			
	•: Error.			
	•: Warning.			
	•: Info.			
	•: No data available.			
Severity	Severity of the event: Critical and above (Emergency and Alert) and less severe than Critical level (Error, Warning, Notice, and Info).			
Timestamp	Date and time when the event occurred.			

Events Table			
Item Description			
Device Name	Name of the device that was impacted by the event.Click the device name to open the <b>Device 360</b> window.		
Event Type	Category of the event: Syslog, Trap, Event, or AP Event.		
Device IP	IP address of the device.		

Step 3To view multiple events, check the check box next to each event you want to view and click Show Selected Events.The Multiple Events slide-in pane opens with each event displayed in a separate card.

From inside a card, you can do the following:

- Minimize, maximize, and close a card.
- Display more details by clicking the down arrow.
- Click hyperlinks to launch the respective device 360 window.

When a card is maximized, any connected device events are displayed.

Step 4 From the Multiple Events slide-in pane, click the list view icon  $\equiv$  to display a compilation of all the subevents sequentially in a list.

To return to the card view, click the card view icon

# **View Endpoint Events**

Use this procedure to view events generated by wired and wireless endpoints.

- **Step 1** Click the menu icon ( $\equiv$ ) and choose **Assurance** > **Dashboards** > **Issues and Events**.
- **Step 2** Click the **Events** tab.

The **Events** dashboard opens.

**Step 3** For the **Category Type**, click the **Endpoints** tab.

	-								
ues \	<ul> <li>Events</li> </ul>								
	4:30p								4:30p
	4:30p Router Switch								4:300
eless Con	troller								
Vired End									> ©
aless End	- · · ·				و به ده ده ده ده ده ده د				0
	6p	8p	10p 7/19	2a	4a 6a	8a 10a	12p	2p	4p
Ever	nts (230) 🕕								
Categ	ory Type Devices	Endpoints	Wired: 0	Vireless: 230					
	Devices	Lindpoints	Wild. U	1101033. 200				tî Export	合
									293
Q	Filter Table								V
0 Sel	ected								
	Event Name	Status	Timestamp -		Identifier (i)	Event Type	IPv4 Address	AP Name	
		Status		5 40 040 04					
	Event Name Onboarding	Status	Timestamp ▼ Jul 19, 2022 4:1	5:13.812 PM	ldentifier ① 중 r-pi-vlan-33-3	Event Type Device Controller	IPv4 Address	AP Name	NLC-143
		Status							
	Onboarding	Status	Jul 19, 2022 4:1		ি r-pi-vlan-33-3	Device Controller	10.1.1.1.1.1	ি AD-5-∿	
	Onboarding	Status	Jul 19, 2022 4:1	5:13.531 PM	ি r-pi-vlan-33-3	Device Controller	10.1.1.1.1.1	ি AD-5-∿	WLC-143
	Onboarding Client Deauthenticated Onboarding	Status	Jul 19, 2022 4:1 Jul 19, 2022 4:1 Jul 19, 2022 3:5	5:13.531 PM	ি r-pi-vlan-33-3 ি r-pi-vlan-33-3 ি r-pi-vlan-33-2	Device Controller Device Controller Device Controller	10.1.0.100 10.1.0.100 10.1.0.200	약 AP-2-V 약 AP-2-V 약 AP-1-V	NLC-143 NLC-143
	Onboarding Client Deauthenticated	Status	Jul 19, 2022 4:1 Jul 19, 2022 4:1	5:13.531 PM	হু r-pi-vlan-33-3 হু r-pi-vlan-33-3	Device Controller Device Controller	80.3.30.108 30.3.30.108	奈 AP-2-₩ 奈 AP-2-₩	NLC-143 NLC-143
	Onboarding Client Deauthenticated Onboarding Onboarding	Status	Jul 19, 2022 4:1 Jul 19, 2022 4:1 Jul 19, 2022 3:5 Jul 19, 2022 3:5	5:13.531 PM 5:16.131 PM 53:59.247 PM	Pr-pi-vlan-33-3       Pr-pi-vlan-33-3       Pr-pi-vlan-33-2       Pr-pi-vlan-33-1	Device Controller Device Controller Device Controller Device Controller			NLC-143 NLC-143 NLC-143
	Onboarding Client Deauthenticated Onboarding	Status	Jul 19, 2022 4:1 Jul 19, 2022 4:1 Jul 19, 2022 3:5	5:13.531 PM 5:16.131 PM 53:59.247 PM	ি r-pi-vlan-33-3 ি r-pi-vlan-33-3 ি r-pi-vlan-33-2	Device Controller Device Controller Device Controller	10.1.0.100 10.1.0.100 10.1.0.200	약 AP-2-V 약 AP-2-V 약 AP-1-V	NLC-143 NLC-143 NLC-143

### Figure 2: Endpoint Events Dashboard

Device Events Dashboard				
ltem	Description			
Global	• Click Global in the top menu bar to choose the site, building, or floor from the Site hierarchy.			
	• Click next to the location icon and choose <b>Site Details</b> to view the event counts for each site.			
	• Choose <b>Hierarchical Site View</b> or <b>Building View</b> from the drop-down list. Based on what you choose, the table is refreshed.			
	• From the <b>Go to sites</b> column, click for a site or building to display events for only that location.			

I

Device Events Dashboard	Device Events Dashboard				
Item	Description				
S Time Range setting	<ul> <li>Allows you to display information on the window based on the time range you select. The default is 24 Hours. Do the following:</li> <li>a. From the 24 Hours drop-down list, choose a time range: 3 hours, 24 hours, or 7 days.</li> <li>b. Specify the Start Date and time, and the End Date and time.</li> <li>c. Click Apply. This sets the range of the timeline.</li> </ul>				
Timeline Slider	Allows you to specify a more granular time range. Click and drag the timeline boundary lines to specify the time range. The colors represent the endpoint type: 				
Total Events	shade of purple.         The total number of events for all endpoint types for a specific time range.				

### **Step 4** Click the **Wired** or **Wireless** tab to display a list of events for that endpoint type in the table.

Events Table	
Item	Description
Event Name	Name of the event.
	Click the event name to open a slide-in pane with more details.
Status (Wired Endpoints Only)	The color represents the severity of the event.
	•: Error.
	•: Warning.
	•: Info.
	•: No data available.
Severity (Wired Endpoints Only)	Severity of the event. Severity can be critical and above (Emergency and Alert) and less severe (Error, Warning, Notice, and Info).
Timestamp	Date and time when the event occurred.
Identifier	Identifier of the endpoint. It can be either user ID, hostname, IP Address, or MAC address, depending on the availability in that order.
	Click the identifier to open a slide-in pane with more details.
Event Type	Category of the event: Syslog, Trap, Event, or AP Event.

Events Table					
Item	Description				
IPv4 Address	IPv4 address of the device that is connected to the endpoint.				
<b>AP Name</b> (Wireless Endpoints Only)	Name of the AP that is connected to the wireless endpoint.Click the AP name to open the AP Device 360 window.				
Switch (Wired Endpoints Only)	Name of the switch that is connected to the wired endpoint.         Click the switch name to open the <b>Device 360</b> window.				
MAC Address	MAC address of the device that is connected to the endpoint.				
Port (Wired Endpoints Only)	Switch port that is connected to the wired endpoint.				
VLAN ID (Wired Endpoints Only)	VLAN ID of the switch port that is connected to the wired endpoint.				
Switch IP Address (Wired Endpoints Only)	IP address of the switch connected to the wired endpoint.				
AP MAC (Wireless Endpoints Only)	MAC address of the AP that is connected to the wireless endpoint.				
SSID (Wireless Endpoints Only)	SSID that the wireless endpoint is using.				
UserID (Wireless Endpoints Only)	User ID of the wireless endpoint.				
Wireless Controller Name (Wireless Endpoints Only)	Name of the wireless controller that is connected to the wireless endpoint.				
Band (Wireless Endpoints Only)	Radio band that the wireless endpoint is using.				
<b>DHCP Server</b> (Wireless Endpoints Only)	DHCP server that the wireless endpoint is using.				

**Step 5** To view multiple events, check the check box next to each event you want to view and click **Show Selected Events**.

The Multiple Events slide-in pane opens with each event displayed in a separate card.

From inside a card, you can do the following:

- Minimize, maximize, and close a card.
- Display more details by clicking the down arrow.
- Click any hyperlinked data.

When a card is maximized, any connected device events are displayed.

**Step 6** From the **Multiple Events** slide-in pane, click the list view icon  $\equiv$  to display a compilation of all the subevents sequentially in a list.

To return to the card view, click the card view icon  $\blacksquare$ .