

Reports

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About Reports

You can utilize data from the **Reports** feature to derive insights into your network and its operation. By reporting this data in several formats and providing flexible scheduling and configuration options, both data and reports are easily customized to meet your operational needs.

The Reports feature supports the following use cases:

- Capacity planning: Understanding how devices within your network are being utilized.
- Change of pattern: Tracking how usage pattern trends change on the network. Usage pattern trends may include clients, devices, bands, or applications.
- Operational reporting: Reviewing reports about network operations, such as upgrade completions or provisioning failures.
- Network health: Determining the overall health of your network through reports.



Note

New use cases for **Reports** will be added in future releases. Review future Cisco DNA Center platform release notes for information.

Run Your First Report

Perform this procedure to begin running specialized data reports about your network. You can configure data reports using the **Reports** window in the Cisco DNA Center GUI.

Figure 1: Reports Window

■ Cisco DNA Center		Repo	rts		Q @ 4 \$
Generated Reports (0) Report Templ	ates				
All					
Al Endpoint Analytics	Licensing AireOS Controllers	Inventory All Data	swim All Data	Access Point	Access Point AP Radio
Access Point	Licenses				
Client	Provides license information about AireOS	The all data view provides detailed information about	The all data view provides detailed information about	This report contains a detailed list of Access	This report contains a detailed list of Access
Executive Summary	controllers	network devices, PDF Distribution of devices	software image updates on devices	Points in the network	Point Radios in the CSV network
Group Communication Summary	PDF	over time, Device Count CSV by Site, Device Count by TDE	CSV	TDE	TDE
Group Pair Communication Analytics	Generate	Generate	Generate	Generate	Generate
Inventory				Cibilerate	
Licensing	Client	Network Devices	Client	Client	Client
Network Devices	Busiest Client	Channel Change	Client Detail	Client Session	Client Summary
Rogue and aWIPS		Count			
SWIM	This client report view provides busiest clients by	The report provides visibility into the channel	This client report view provides detailed information about the list	This client session report view provides detailed information about the	This client report view provides an executive summary like health and
Security Advisories	bytes.	Access Point Radio	of clients that are seen in the network	information about the wireless client sessions seen in the network TDE	summary like nearn and counts of clients that are seen in the network.
	JSON	JSON	JSON	JSON	PDF
	Generate	Generate	Generate	Generate	Generate
■ Cisco DNA Center		Repo	rts		Q @ C 4
E Cisco DNA Center	ates	Repo	rts		Q @ C 4
Generated Reports (0) Report Templa	ates	Repo	rts		Q @ C 4
Generated Reports (0) Report Templa	Client	Al Endpoint Analytics	Executive Summary	Group Pair Communication Host Group To	Group Communication
Generated Reports (0) Report Temple All Al Endpoint Analytics				Group Pair Communication Host Group To Scalable Group	
Generated Reports (0) Report Temple All Al Endpoint Analytics Access Point	Client	Al Endpoint Analytics	Executive Summary Executive Summary Analyze how the network	Host Group To	Group Communication Host Group To
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client	Client Client Trend This client report view	Al Endpoint Analytics Endpoint Profiling This endpoints report view provides profiling information about the endpoints that are seen in	Executive Summary Executive Summary	Host Group To Scalable Group Stelect source Steathwatch host group and destination scalable group names and	Group Communication Host Group To Scalable Groups Summar of communication tehneon the selected Statistication host groups and all other
Generated Reports (0) Report Temple All Al Endpoint Analytics Access Point	Ctient Client Trend This client report view provides client count trend and client traffic trend for the given time period	Al Endpoint Analytics Endpoint Profiling This endpoints report view provides profiles information about the endpoints that are seen in the network.	Executive Summary Executive Summary Analyze how the restorch is performing with insights into network devices, clients and issues	Host Group To Scalable Group Select source Stratitiveshich host group and destination scalable group names and direction of generationate to utage	Group Communication Host Group To Scalable Groups Summar d communication between the selected SetMatukh host groups and all other refinent scalade groups
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client	Citent Client Trend This client report view provides client count thend and client trainic tend and client trainic tend one given time partor	Al Endpoint Analytics Endpoint Profiling This endpoints receiling information about the endpoints that are seen in the network.	Executive Summary Executive Summary Analyze how the enteroid is performing with longing into retrieved devices, clients and issues	Host Group To Scalable Group Select source and destination scalable group names and direction of communication to view	Group Communication Host Group To Scalable Groups Summer of menetication between menetication between menetication between relevant catabile groups for the pariod chosen.
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client Executive Summary	Ctient Client Trend This client report view provides client count trend and client traffic trend for the given time period	Al Endpoint Analytics Endpoint Profiling This endpoints report view provides profiling information about the endpoints that are seen in the network.	Executive Summary Executive Summary Analyze how the restorch is performing with insights into network devices, clients and issues	Host Group To Scalable Group Select source Stratitiveshich host group and destination scalable group names and direction of generationate to utage	Group Communication Host Group To Scalable Groups Summar d communication between the selected SetMatukh host groups and all other refinent scalade groups
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client Executive Summary Group Communication Summary	Critent Client Trend This client report view provides client count tend and client traffic tend for the given time period	Al Endpoint Analytics Endpoint Profiling This endpoints record where provides profiling information about the endpoints that are seen in the network.	Executive Summary Executive Summary Analyse how the retearch is performing with insights into network devices, clients and issues Por Generate	Host Group To Scalable Group Select coure Seathwatch host group and detimition catable group names and develop of communication to view Generate	Group Communication Host Group To Scalable Groups Summary of the selected Swithweach host groups and all other relevant scalable groups for the period choses.
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client Executive Summary Group Communication Analytics	Cilient Cleant Trend This cleant moor sime provides client count trend and client traffic trend for the given time period Cent Generate	Al Endpoint Analytics Endpoint Profiling This endpoints report view provides profiling information about the endpoints that was seen in the network. CSV Generate Group Communication	Executive Summary Executive Summary Analyze how the network is performing with insights into network devices, clears and issues	Host Group To Scalable Group Select source and destination scalable group names and direction of communication to view	Group Communication Host Group To Scalable Groups Summer of menetication between menetication between menetication between relevant catabile groups for the pariod chosen.
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client Executive Summary Group Communication Analytics Inventory	Critent Client Trend This client report view provides client count tend and client traffic tend for the given time period	Al Endpoint Analytics Endpoint Profiling This endpoints record where provides profiling information about the endpoints that are seen in the network.	Executive Summary Executive Summary Analyse how the retearch is performing with insights into network devices, clients and issues Por Generate	Host Group To Scalable Group Statet score Statet score and destination scalable group names and direction of communication to view CBY Generate	Group Communication Host Groups Scalable Groups Summary of communication between the selected Steathweath host groups and a defar ment for the particit choice. Cerv Generate
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Client Executive Summary Group Communication Summary Group Pair Communication Analytics Inventory Licensing	Crient Client Trend This client report view provides client court tend and client traffic tend for the given time period report Cancerate Group Pair Communication ISE Endpoint Profile Cancup To Scalable Selent sources KE endpoint profile group and	Al Endpoint Analytics Endpoint Profiling This endpoints report were profile profile endpoints that are seen in the network. CBV Generate Group Communication ISE Endpoint Profile Group To Scalable Surmary of communication between	Executive Summary Executive Summary Analyze how the retriever, is performing with inelation clients and issues Prov Cenarate Licensing License Usage Upload Details Provides information abort icente usage	Host Group To Select cours Select cours Select cours and destination studies group names and direction of communication to view CSV Generate Network Devices Network Devices Availability The network device availability proview	Group Communication Host Group To Scalable Groups Summay of commandation between the stranger of the series for the period choses. Cerv Canenate Repue and aWIPS New Threat This report provides for the detailed formation
Generated Reports (0) Report Templa All Al Endpoint Analytics Access Point Cilent Executive Summary Group Communication Analytics Inventory Licensing Network Devices	Client Client Trend This dest export show provides client court trend and client traffic trend for the given since participation of the show the participation of the show the provide show the show the Group Pair Communication ISE Endpoint Profile Group To Scalable Sedest score Stat present show the show the present show the show the show the show the show the show the show the show the show the show the show the show the show the show the show the show the show the show th	Al Endpoint Analytics Endpoint Profiling This endpoints report view prokles profiling leformation about the the network. Core Generate Group Communication ISE Endpoint Profile Group To Scalable Surmary of communication between the selected SE endpoint profile groups and all	Executive Summary Executive Summary Analyze how the restoork is performing with magins into network declars, clients and issues Port Centrate Licensing Licensing Licensing Diada Details Prodels information above Summary	Host Group To Scalable Group Start work Start work and destination studies group names and direction of communication to view Cerv Generate Network Devices Network Device Availability The network studies provides destined information atox network (Cerv	Group Communication Host Group To Scalable Groups Summay of communication between the selected StateMatch instead StateMatch instead Colours. Cov Generate Regue and aWIPS New Threat This resolution for the selected State for the selected State State
Generated Reports (0) Report Templa All Endpoint Analytics Access Point Cilent Executive Summary Group Communication Analytics Inventory Licensing Network Devices Rogue and aWIPS	Cilient Client Trend This client report view provides client count typerod band for the given time period Central Concernation Concernati	Al Endpoint Analytics Endpoint Profiling This endpoints report way provides profiles information address the endpoints that are seen in the network. Generate Group Communication ISE Endpoint Profile Group To Scalable Summer // Comminication between the selected Ste endpoint	Executive Summary Executive Summary Analyze how the retriever, is performing with inelation clients and issues Prov Cenarate Licensing License Usage Upload Details Provides information abort icente usage	Host Group To Scalable Group Select work Seathwath host group and deathands natable group on all communication to view Cenerate Cenerate Network Devices Network Device Availability The network dowing sproked extended provided extended	Group Communication Host Group To Scalable Groups Communication between the selected SetMatusch host groups and all other relevant calable groups for the period choses. Cov Cancerto Reque and aWIPS New Threat This report products for the chaled information should the new years Arguere

E Cisco DNA Center		Repo	nts		Q @ 2
Generated Reports (0) Report Ter	mplates				
JI .	Licensing Non Compliance	Licensing Non Compliant	Network Devices	Network Devices Port Capacity	Group Pair Communication Scalable Group To
I Endpoint Analytics	Summary	Devices			Host Group
access Point	This report provides summary of non compliant	This report provides information about non	This PoE report view provides detailed	This Port Capacity report provides detailed	Select source scalable group and destination
Client	device series	compliant devices	information about the CSV Switch power and ports	information about the port usage in the network	Stealthwatch host group names and direction of
xecutive Summary	PDF	PDF	JSON	CSV	communication to view service, port, and protocol
aroup Communication Summary	Generate	Generate	Generate	Generate	Generate
Froup Pair Communication Analytics	Generate	Generate	Generate	Generate	Generate
nventory					
icensing	Group Communication Scalable Group To	Group Pair Communication Scalable Group To	Group Communication Scalable Group To	Group Pair Communication Scalable Group To	Group Communication Scalable Group To
letwork Devices	Host Groups	ISE Endpoint Profi	ISE Endpoint Profi	Scalable Group	Scalable Groups
logue and aWIPS	Summary of communication between	Select source scalable group and destination ISE	Summary of communication between	Select source and destination scalable group	Summary of communication between
WIM	the selected scalable group and all other	endpoint profile group names and direction of	the selected scalable group and all other	names and direction of communication to view	the selected scalable group and all other
	relevant Stealthwatch host groups for the period	communication to view service, port, and protocol	relevant ISE endpoint profile groups for the	for the period chosen.	for the period chosen.
ecurity Advisories	CSV	CSV	CSV	CSV	CSV
	Generate	Generate	Generate	Generate	Generate
Rogue and aWIPS					
SWIM	Security Advisories	Rogue and aWIPS	Client	Network Devices	Network Devices
Security Advisories	Security Advisories Data	Threat Detail	Top N Summary	Transmit Power Change Count	VLAN
County Adviabilies	The Security Advisory	This report provides for	This client report view	The report provides	This vian report provides
	data view provides detailed information about	the detailed information about the rogue AP's and	provides Top Locations by Client count and Top	visibility into the transmit power changes observed CSV	detailed information about the list of vlans that are
	network devices and the security advisories that CSV	aWIPS threats that are Seen in the network TDE	Locations by Poor Client Health.	on Access Point Radio	seen in the network
	were detected on them. TDE	JSON	PDF	JSON	TDE
	Generate	Generate	Generate	Generate	Generate

Before you begin

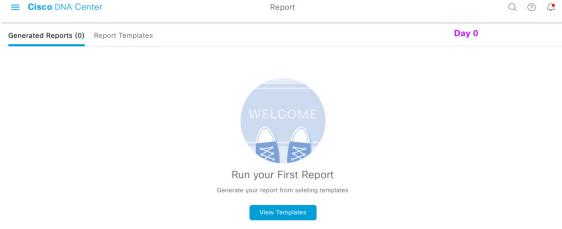
Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. From the Menu icon (\equiv), click **Provision** > **Inventory** to view the results.

 Step 1
 Click the menu icon (≡) and choose Reports.

 A Run Your First Report window appears.

 Figure 2: Run Your First Report Window

 ≡ Cisco DNA Center



The **Report Templates** window opens and displays the supported reporting categories in a slide-in pane. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

For this procedure and as an example, **Clients** is selected. Available options for the reports and displayed in the GUI are dependent upon the type of report selected.

Step 3 After clicking a link, review the **Report Templates** window for that selected category.

Figure 3: Reports Templates Window

Cisco DNA Cent	ter		Reports			Q @ 4
enerated Reports (0)	Report Templates					
C						
ccess Point	Client Busiest Client	Client Client Detail	Client Client Session	Client Client Summary	Client Client Trend	Client Top N Summary
ient				,		,
ecutive Summary ventory	This client report view provides busiest clients by usage, tx bytes or rx bytes. TDE	This client report view provides detailed information about the list of clients that are seen in the network TDE	This client session report view provides detailed information about the wireless client sessions seen in the network TDE	This client report view provides an executive summary like health and counts of clients that are seen in the network.	This client report view provides client count trend and client traffic trend for the given time period	This client report view provides Top Locations by Client count and Top Locations by Poor Client Health.
censing atwork Devices	JSON	JSON	JSON	PDF	PDF	PDF
gue and aWIPS	Generate	Generate	Generate	Generate	Generate	Generate
/IM						
curity Advisories						

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Client** report you can create a **Client Summary**, **Client Detail**, **Top N Summary**, **Client Trend**, or **Client Session** report. Within each tile are also icons that represent the supported file types for the reports (PDF, CSV, TDE, or JSON).

Step 4 In the tile, click the header to view a sample report.

A **Preview** window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).
- Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

Step 5 Click **X** to close the preview.

L

Step 6 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 7 In the Generate a New Report window, click Let's Do It to get started.

Figure 4: Generate a New Report

≡ Cisco DNA C	enter	Reports		₹ © 2
Generated Reports (1) Report Templates			
All Access Point Client Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		×	▲ (GN) (TDE) (JSON)
	Let's Do R		× (*)	
	Don't show this to me again			

The Select Report Template window opens.

Step 8 In the Select Report Template window, select the template for the report.

The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 5: Setup Report Template

≡	Cisco DNA Center		Generating a New Report	Switch Tenant MSP View	<u> </u>	0 4	
	Setup Report Temp Select the template for the report Template* Client Summary	late <u>~</u>					
	S	Sample					^
		Cisco DNA Center	Report Generated on Tue, 03 Mar 2020 23:58:33 UTC Client Summary Report				
		Applied Filters Location All SSID All Band All					•

Exit

Click Next. The Setup Report Scope window opens.

Step 9 In the **Setup Report Scope** window, enter a name for the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The Setup Report Scope options change depending upon the selected Template Group.

Figure	6: Setup	Report	Scope
--------	----------	--------	-------

\equiv Cisc	o DNA Center	Generating a New Report	Switch Tenant MSP View	<u>~</u> Q @ 🗗
	Setup Report Scope	rt.		
	Report Name Client Report for Mar 18, 2020 at 02:29 pm			
	Scope			
	Location V			
	SSID ~			
	Band ~			
	Group By ~			
Exit			Previous	Next

Click Next. The Select File Type window opens.

L

Step 10 In the **Select File Type** window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 7: Select File Type

Eisco DNA Center	Generating a New Report	Lancot Forent MSP View → Q ⑦ ☎
Select File Type		
Select the file type you want to generate		
• PDF		
Exit		Review Previous Next
Click Next. The Schedule Report wind	dow opens.	
In the Schedule Report window, select	t the time range and schedule for the	e report.

The following Time Range options are available:

Last 3 hours

Step 11

- Last 24 hours
- Last 7 days
- Custom
- **Note** Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

• Run Now

- Run Later
- Run Recurring

You can also select a time zone for the report when configuring with the following **Schedule** options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 8: Schedule Report

\equiv Cisco	DNA Center	Generating a New Report	Switch Tenant MSP View	<u>~</u> Q @	6
	Schedule Report				
	Time Range				
	Last 3 Hours				
	O Last 24 Hours				
	O Last 7 Days				
	O Custom				
	Schedule				
	Run Now				
	O Run Later (One-Time)				
	O Run Recurring				



Step 12 In the **Delivery and Notification** window, select the Delivery mechanism for the report.

The options include:

- No delivery/notification: No email or webhook notifications sent.
- Email Report: Email report is sent as a link or attachment.
- Note If you have not yet configured an SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the **Email** tab in the GUI to configure a SMTP server. Click **System** > **Settings** > **External Services** > **Destinations** > **Email** tab.
 - Link: The email notification of a successfully compiled report has a link back to itself and the Generated Reports page under Reports. You can view and download the report from this link and location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

- Attachment: Report is attached to the email notification.
 - **Note** PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends out the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue", "In Progress", and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 9: Delivery and Notification

	Generating a New Report	Switch Tenant MSP View V Q @ 🖒
Delivery and Notification		
Email Report A sa Link A sa Attachment Add Email Webhook Notification		
€] Exit		Review Previous Next

Click Next. The Summary window opens.

Step 13 In the **Summary** window, review the configuration and if necessary edit any of the files.

Figure 10: Summary

Cisco DNA Center	Generating a New Report	tavata katalat MSP View → Q ③ C
Summary		
Almost there! Please find below the summary of the Report		
 Report Name Edit 		
Client Report for Mar 18, 2020 at 02:29 pm		
Scope Edit		
Location Not Selected		
SSID Not Selected Band Not Selected		
Band Not Selected Group By Not Selected		
V File Type Edit		
File Type PDF		
✓ Time Range Edit		
Time Range Last 3 Hours		
xit		Previous

Click the Next button.

After the report is generated, a success window appears.

Step 14 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 11: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	🧶 Mar 16, 2020 at 3:14 pm 🛓	1	CSV	Client	Client Detail	

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run an Access Point Report

Perform this procedure to configure **Access Point** reports for your network. You can configure **Access Point** reports using the **Reports** window in the Cisco DNA Center GUI.

E Cisco DNA Cente	er		Reports	Q () ()
Generated Reports (0)	Report Templates			
All				^
Access Point	Access Point	Access Point AP Radio		
Client		Ar Radio		
Executive Summary	This report contains a detailed list of Access	This report contains a detailed list of Access		
Inventory	Points in the network	Point Radios in the network		
Licensing	TDE	JSON		
Network Devices	Generate	Generate		
Rogue and aWIPS SWIM				
Security Advisories				
occurry Advisories				
4				-

Figure 12: Access Point Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. From the Menu icon (\equiv), choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 13: Report Templates Window

Cisco DNA Center			Reports	Q () 🔿
enerated Reports (0)	Report Templates			
ccess Point	Access Point	Access Point AP Radio		
lient				
ecutive Summary	This report contains a detailed list of Access	This report contains a detailed list of Access		
antory	Points in the network CSV TDE JSON	Point Radios in the network CSV TOE JSON		
ensing work Devices	JSON	JSON		
ue and aWIPS	Generate	Generate		
M				
urity Advisories				
4				

In the **Report Templates** window, each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you want to use to generate a report. For an **Access Point** report, you can create an **AP**, **AP Radio**, or **AP Performance** report. For the **Access Point** report, supported file types are CSV, TDE, and JSON.

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report.

Note You can use the sample report to plan how you want your report to look.

- **Step 4** Click **X** to close the preview.
- **Step 5** In the tile, click the **Generate** link to configure parameters to build a report.

L

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

To skip this screen in the future, check the **Don't show this to me again** check box.

Figure 14: Generate a New Report

E Cisco DNA C	enter	Reports		l 💿 🗷
Generated Reports () Report Templates			
All Access Point Client Executive Sommary Inventory SWM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		×	* CV 200
b	Dun't show this to me again			

Step 7 In the Select Report Template window, choose the template from Template drop-down list.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an auto generated sample in the same window.

Figure 15: Setup Report Template

E Cisco	DNA Center						Ge	enerating	a New Rep	ort							
	Setup Repo	rt To	mole	to	Select Report	Template											
	Зещр керо	it ie	mpia	ile	Setup Report S	Scope											
	0.1																
	Select the template for	or the re	port		Select File Typ	0											
	Template*				Schedule Repo	irt											
	AP		13	/	Delivery and N	otification											
					Summary												
mple									_	_						_	_
rs		_															
	Al	_															
ation	1.02																
ation t By (Descending)	1.02																
ation t By (Descending) it	AI																
ation t By (Descending) it t Time	Al Al																
ation t By (Descending) it rt Time I Time	Al Al 2020-03-03 04:22:56.104 AM UTC 2020-03-04 04:22:56.104 AM UTC		Mode	Device Name	Operational State	Average Client Count	CPU Usage	Memory Usage	Max Client Count	Device Family	OS Version	Device Type	IP Address	Piatform	Device Model	Health Score	WLC
ers cation t By (Descending) it et Time d Time MAC Address DB:EE:SE:FB:C0	AII AII 2020-03-00 04:22:56.104 AM UTC 2020-03-00 04:22:56.104 AM UTC Up Time 117 days 00.12:19	Admin State	Mode monitor	AP4800-46	Operational State AP is in registered state	0	1					Device Type Cisco 4800 Series Unified Access Points		Piatform AIR-AP4800-H-K9		10	CRDC-WLC-5520-3
ation t By (Descending) it rt Time t Time MAC Address DB:E6:5E:FB:C0 F7:D5:44:39:C0	All All 2020-03-00 04:22:56.104 AM UTC 2020-03-04 04:22:56.104 AM UTC Up Time 117 days 00:12:19 49 days 19:18:54	Admin State 1	monitor local	AP4800-46 AP1815-126	AP is in registered state AP is in registered state	0		5 4 1 2	6 0 3 0	Unified AP Unified AP	8.8.125.0 8.8.125.0	Cisco 4800 Series Unified Access Points Cisco 1815I Unified Access Point	10.79.46.46		AIR-AP4800-H-K9	10 6	CRDC-WLC-5520-3 CRDC-WLC-5520-3
ation t By (Descending) alt rt Time d Time MAC Address	AII AII 2020-03-00 04:22:56.104 AM UTC 2020-03-00 04:22:56.104 AM UTC Up Time 117 days 00.12:19	Admin State 1	monitor	AP4800-46	AP is in registered state	0		5 4 1 2	6 0 3 0 4 0	Unified AP Unified AP	8.8.125.0 8.8.125.0	Cisco 4800 Series Unified Access Points	10.79.46.46 10.79.59.126	AIR-AP4800-H-K9	AIR-AP4800-H-K9 AIR-AP1815I-H-K9	10 6	WLC CRDC-WLC-5520-3 CRDC-WLC-5520-3 CRDC-WLC-5529-3

Exit

Step 8 Click Next.

The Setup Report Scope window appears.

Step 9 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The **Setup Report Scope** options change depending upon the selected **Template**.

Figure 16: Setup Report Scope

\equiv Cisc	o DNA Center	Generating a	New Report	Switch Tenant MSP View	<u>~</u> Q @ ८
	Setup Report Scope Name the report and select the scope to include in r Report Name Client Report for Mar 18, 2020 at 02:29 pm	port.			
	Scope Location				
	SSID				
	Band				
	Group By				
€ Exit				Previous	Next

Step 10 Click Next.

Step 11 In the **Select File Type** window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

L

Figure 17: Select File Type

■ Cisco DNA Center	Generating a New Report	Switch Finant MSP View V Q () 🖒
Select File Type		
Select the file type you want to generate		
PDF		
€] Exit		Review Previous Next
Click Next.		

Step 13

Step 12

In the Schedule Report window, select the time range and schedule for the report.

The following Time Range options are available:

- Last 3 hours
- Last 24 hours
- Last 7 days
- Custom
 - Note Clicking Custom opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available to schedule the report:

- Run Now
- Run Later (One-Time)
- Run Recurring

Cisco DNA Center also allows you to choose a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 18: Schedule Report

≡ Cisco DNA Center	Generating a New Report	Linest Linest MSP View → Q. @ C3
Schedule Report		
Time Range		
Last 3 Hours		
O Last 24 Hours		
O Last 7 Days		
O Custom		
Schedule		
Run Now		
O Run Later (One-Time)		
O Run Recurring		

Step 14 Click Next.

Step 15 In the **Delivery and Notification** window, select the delivery mechanism for the report.

The options include:

- Email Report: Email report is sent as a link or attachment.
 - Note If you have not yet configured an SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the **Email** tab in the GUI to configure a SMTP server. Click **System > Settings** > **External Services > Destinations > Email** tab.
 - As a Link: The email notification of a successfully compiled report has a link back to itself and the Generated Reports page under Reports. You can view and download the report from this link and location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
 - As an Attachment: Report is attached to the email notification.
 - **Note** PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends out the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.

Step 16

Step 17

- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

Cisco DNA Center sends you the following status webhook notifications for the report:

- In Queue
- In Progress
- Success

Figure 19: Delivery and Notification

\equiv Cisco DNA Center	Generating a New Report	Switch Tenser: MSP View V Q Ø C
Delivery and Notification		
Email Report As a Link As an Attachment		
Add Emoli		
O Webhook Notification		
€) Evit		Review Previous Next
Click Next.		

In the Summary window, review the configuration and if necessary edit any of the files.

Figure 20: Summary

■ Cisco DNA Center	Generating a New Report	Sector tenue: MSP View ── Q ⑦ ─ CS
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
 File Type Eait File Type PDF 		
✓ Time Range Edit Time Range Last 3 Hours		
Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 18 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 21: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	-

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run a Client Report

Perform this procedure to configure specialized **Client** reports for your network. You can configure **Client** reports using the **Reports** window in the Cisco DNA Center GUI.

enerated Reports (0) Report Templates					
enerated Reports (0) Report Templates	Citext Citext Detail This clear report view problem clean of the clean of the residue of the research of the research of the research of the research of the research of the research of the research of the research of the research of the research of th	Citerer Citerat Session This client sension report wholess client sension wholess client sension (To) (To) (Corr Conversion	Citari Cleant Summary This cleant report view provides an exact and costs of of looks that are users in the measure. Central	Cleant Cleant Trand This other room twee provides clean count twee and the second twee clean twee twee clean twee twee Cleansite	Citient Top N Summary Prodesh Spit Journal of the Defer come and Table Office come and Table Office come and Table Office come and Table National Spit Spit Spit Spit Spit Spit Spit Spit

Figure 22: Client Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

T

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 23: Reports Templates Window

Cisco DNA Cente	er		Reports			Q Ø 43	
Generated Reports (0)	Report Templates						^
All							^
Access Point	Client Busiest Client	Client Client Detail	Client Client Session	Client Client Summary	Client Client Trend	Client Top N Summary	
Client						i op it outinitity	
Executive Summary Inventory Licensing Network Devices	This client topot view provides businest clients by usage, to bytes or n bytes. (CSV) (TOI) JSON	This client report view provides detailed Information about the list of clients that are seen in the network TDE JSON	This client session report view provides detailed information about the wireless client sessions seen in the network TDE JSON	This client report view provides an executive summary like heath and counts of clients that are seen in the network.	This client report view provides client count trend and client traffic trend for the given time period	This client report view providem Top Locations by Client count and Top Locations by Poor Client Health. POF	I
Rogue and aWIPS	Generate	Generate	Generate	Generate	Generate	Generate	
SWIM							
Security Advisories							
							11
							1
4							

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Client** report you can create a **Busiest Client**, **Client Summary**, **Client Detail**, **Top N Summary**, **Client Trend - Count and Traffic**, or **Client Session** report. Within each tile are also icons that represent the supported file types for the reports (PDF, CSV, TDE, or JSON).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. For some of the client reports, the following data is presented:

- Applied filters (data filters that were used to build the report).
- · Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).

• Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

Step 4 Click **X** to close the preview.

Step 5 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 24: Generate a New Report

E Cisco DNA C	enter	Reports		₹ © 3
Clean Clean Character Clean Cl			×	
L	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the **Template** from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 25: Setup Report Template

= Cisco	o DNA Center										Report								Q	0
	Setup Rep	ort Te	mpla	te																
	Select the templat	e for the rep	port																	
	Template*																			
	Client Detail																			
ample																				
illers																				
itters	A1.																			
Titlers .ocation Device Type																				
Sample Filters Location Device Type SSID Band	All																			
Filters Location Device Type SSID	All All											_								
Filters .ocation Device Type SSID Jand Start Time	All All All																			
Filters Location Device Type SSID Band Start Time End Time	All All All 2020-03-03 22:07:54.368 PM UTC	MAC Address	IPv4 Address	IPv6 Address	Device Type	Current Status	Health Score	Usage @ytes)	Connected Device Name	Band ASS	ISI (dBm) SNR	38) Last Location	Last Seen	AP Group	SSID	VLANID	VND	Orboarding Time	Asso	ciation Time
Filters Location Device Type SSID Band Start Time End Time	All All All 2020-00-03 22:07:64.368 PM UTC 2020-00-04 22:07:64.368 PM UTC	MAC Address 00:56/28:54/26:51				Current Status connected			Connected Device Name	Band RSS 0	ISI (dBm) SNR		Last Seon 2 2020-03-04 296		550	VAND	VND	Griboarding Time	Assoc	station Time
Filters Location Device Type SSID Band	All All All 2020-00-03 22:07:64.368 PM UTC 2020-00-04 22:07:64.368 PM UTC				Wired			2.2599772E+0			iSI (dBm) SNR			8	SSID	VLANID	VND	Orboarding Time		station Time
Filters Location Device Type SSID Band Start Time End Time Host Name	All All 2020-03-03 22:07:44.368 PM UTC 2020-03-04 22:07:44.368 PM UTC User ID	00:56:28:5A:86:E1	172.20.55.237		Wired Wired	connected	10	2.2599772E+0 495561	7 Gowri-2x-switch	0	ISI (dBm) SNR	san jose/building 4/foor	2 2020-03-04 22:08:44.368	8	55D	VLANID	VND	Criboarding Time	0	station Time

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The Setup Report Scope options change depending upon the selected Template.

Figure 26: Setup Report Scope

■ Cisco DNA Center		Generating a New Report	Swatch Longert MSP View V Q @ C
Setup Report Scop			
Report Name Client Report for Mar 18, 2020 at 02:	29 pm		
Scope			
Location	~		
SSID	~		
Band			
Group By	~		
Exit			Previous Next
Click Next. The Select F	'ile Type window	opens.	

Step 9 In the Select File Type window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 27: Select File Type

Elisco DNA Center Generating	a New Report	Switch Tenant MSP View	<u> </u>
Select File Type			
Select the file type you want to generate			
• PDF			
€) Exit	,	Review Previous	Next
Click Next. The Schedule Report window opens.			
In the Schedule Report window, select the time range a	and schedule for the report.		
The following Time Range options are available:			
Last 3 hours			
• Last 24 hours			
• Last 7 days			

Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

- Run Now
- Run Later

Run Recurring

You can also select a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 28: Schedule Report

≡ C	isco DNA Center	Generating a New Report	Switch Ferser MSP View ✓ Q @ C5
	Schedule Report		
	Time Range • Last 3 Hours • Last 24 Hours • Last 7 Days • Outtom		
	Schedule Run Now Run Later (One-Time) Run Recurring		

	Exit		Review	Previous	Next	
	Click Next. 7	The Delivery and Notification window opens.				
Step 11	In the Delive	ry and Notification window, select the Delivery mechanism for the	report.			
	The options i	nclude:				
	• Email F	Report: Email report is sent as a link or attachment.				
	Note	If you have not yet configured an SMTP server for the emails, you Follow the prompts to the Email tab in the GUI to configure a SM > External Services > Destinations > Email tab.	-	-	-	
		k : The email notification of a successfully compiled report has a line ports page under Reports . You can view and download the report from the report fr				ited
			• • •		-	

- **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
- Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 29: Delivery and Notification

■ Cisco DNA Center	Generating a New Report	MSP View V Q @ C
Delivery and Notification		
Email Report		
As a Link As an Attachment		
Add Email		
Webhook Notification		
		Desilere Desilere des

Click Next. The Summary window opens.

Step 12 In the **Summary** window, review the configuration and if necessary edit any of the files.

Figure 30: Summary

■ Cisco DNA Center	Generating a New Report	Senici Feliair MSP View V Q () 🖒
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
V SCOPE Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edit File Type PDF		
∀ Time Range Edit Time Range Last 3 Hours		
€) Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 31: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	-

What to do next

Review your report instance in Generated Reports window.



You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run an Executive Summary Report

Perform this procedure to configure **Executive Summary** reports for your network. You can configure **Executive Summary** reports using the **Reports** window in the Cisco DNA Center GUI.

et Caeco Acceleration Cenerated Reports (a) Report template All Acces Point Chained Control </td

Figure 32: Executive Summary Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.

If the individual counts for devices (wireless or wired clients, routers, switches, APs, and so on) exceed 200,000, the count is an estimated count.

- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.

Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 33: Report Templates Window

Eisco DNA Center	Reports	Q (0) 🔿
Generated Reports (0)	Report Templates	i
All		·
Access Point Client	Executive Summary Executive Summary	
Executive Summary	Analyze how the network is	
Inventory	performing with helpfox into network books, clients and losses	
Network Devices	PDF Generate	
Rogue and aWIPS	Generate	
SWIM		
Security Advisories		
4		×

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for an **Executive Summary** report you can create an **Executive Summary** report. Within the tile are also icons that represent the supported file types for the reports (PDF).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- · Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).

• Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

Step 4 Click **X** to close the preview.

Step 5 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 34: Generate a New Report

≡ Cisco DNA (Center	Reports		\
Generated Reports	(1) Report Templates			
All Access Point Client Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		×	* Cay Tao 200
	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the **Template** from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 35: Setup Report Template

E Cisco DNA Center	Generating a New Report		Q Ø
Setup Report Template Select the template for the report Template* Executive Summary	Select Report Template Setup Report Scope Select File Type Schedule Report Delivery and Notification Summary		
Sample			
ababa cisco	Executive Summary Report - Weekly	Login to Cisco DNA Dashboard	
Feb 26, 2	020 04:00 AM — Mar 04, 2020 03:59 AM (UTC)	LOCATION: All BAND*: 5 GHz, 2.4 GHz SSID*: All	
Over	all Health Summary - Network Devices		

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The Setup Report Scope options change depending upon the selected Template.

≡ C	i sco DNA Center	Generating a New Report	Switch Tenant MSP View	<u>~</u> Q	0 4
	Setup Report Scope Name the report and select the scope to include in r Report Name Client Report for Mar 18, 2020 at 02:29 pm	aport.			
	Client Report for Mar 16, 2020 at 02:29 pm	<u>×</u>			
	SSID	\sim			
	Band Group By	<u>×</u>			
Exit Exit			Previous		Next

Figure 36: Setup Report Scope

Click Next. The Select File Type window opens.

Step 9 In the **Select File Type** window, select the file type for the report.

Depending on the report that you are creating, the following File Type options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 37: Select File Type

■ Cisco DNA Center	Generating a New Report	Server MSP 1	/iew 🗸 🗸	Q () 🖒
Select File Type				
Select the file type you want to generate				
PDF				
€) Exit		Review	Previous	Next
Click Next. The Schedule Report window	w opens.			
In the Schedule Report window, select the	time range and schedule for the report.			
The following Time Range options are av	vailable:			
• Last 3 hours				
Last 24 hours				
• Last 7 days				

Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

- Run Now
- Run Later

Run Recurring

You can also select a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 38: Schedule Report

E Cisco DNA Center	Generating a New Report	Switch Timant MSP Viow	<u>~</u> Q @ 🗗
Schedule Report			
Time Range			
Schedule Run Now Run Latter (Gne-Time) Run Recurring			

 In the Delivery and Notification window opens.
 Step 11 In the Delivery and Notification window, select the Delivery mechanism for the report. The options include:

 Email Report: Email report is sent as a link or attachment.
 Note If you have not yet configured an SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the Email tab in the GUI to configure a SMTP server. Click System > Settings > External Services > Destinations > Email.
 Link: The email notification of a successfully compiled report has a link back to itself and the Generated Reports page under Reports. You can view and download the report from this link and location.

- **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
- Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 39: Delivery and Notification

■ Cisco DNA Center	Generating a New Report	Switch Tenuer MSP View ✓ Q. @ đ
Delivery and Notification		
• Email Report		
As a Link As an Attachment		
Add Email		
Webhook Notification		
Evit		Paviaw Pravious Next

Click Next. The Summary window opens.

Step 12 In the Summary window, review the configuration and if necessary edit any of the files.

Figure 40: Summary

■ Cisco DNA Center	Generating a New Report	Switch Tenart MSP View VQ @ C
Summary Almost there! Please find below the summary of the Report		
 Report. Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edit File Type PDF		
V Time Range Edit Time Range Last 3 Hours		
€) Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 41: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run an Inventory Report

Perform this procedure to configure **Inventory** reports for your network. You can configure **Inventory** reports using the **Reports** window in the Cisco DNA Center GUI.

Figure 42: Inventory Reports

E Cisco DNA Cent	er	Reports	Q (1) C
Generated Reports (0)	Report Templates		í
All Access Point Client Executive Summary	Inventory All Data The addition who environ		
Inventory Licensing Network Devices Rogue and aWIPS SWIM	network divident, Detrothunder of the set of the set water of the set of the set Baulce Charle by Dateon Exercise Exercis Exercise Exercis Exercise		
Security Advisories			

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 43: Report Templates Window

■ Cisco DNA Ce	iter	Reports	Q (1)
Generated Reports (0)	Report Templates		
All			1
Access Point Client	Inventory All Data		
Executive Summary	The all data view provides detailed information about		
Inventory	Destingtion of devices		
Licensing	time Journe Count by Site, CSV Device Count by Site, TDE		
Network Devices	Generate		
Rogue and aWIPS			
SWIM			
Security Advisories			
	4		*

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for an **Inventory** report you can create an **All Data** report. Within the tile are also icons that represent the supported file types for the reports (PDF, CSV, or TDE).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).

• Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

Step 4 Click **X** to close the preview.

Step 5 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 44: Generate a New Report

≡ Cisco DNA C	enter	Reports		i 💿 🔿
Generated Reports (1) Report Templates			
All Access Point Client Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.	•	×	CCV) TOR JSON
	Let's Do It			
	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the **Template** from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 45: Setup Report Template

\equiv Cisco	DNA Center	Generating a New Report	Q @ (®
	Setup Report Template Select the template for the report Template* All Data (Inventory)		
	Sample		
	Cisco DNA Center	Report Generated on Mon, 1 October 2018 20:54:53 UTC Inventory Report	
	Applied Filters		
Exit			Next

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The **Setup Report Scope** options change depending upon the selected **Template**.

\equiv Cisco DNA Ce	enter		Generating a New Report	Switch Tenant MSP View	<u>~</u> Q @ (3
	Report Scope	report.				
Report Nan Client Rep	ne ort for Mar 18, 2020 at 02:29 pm					
Scope						
Location		<u> </u>				
SSID		<u>~</u>				
Band		~				
Group By		~				
€] Exit				Previous	Next	
Click Next. 7	The Select File Type	e window opens				

Step 9 In the **Select File Type** window, select the file type for the report.

Depending on the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 47: Select File Type

■ Cisco DNA Center	Generating a New Report	-Swa MSI	en Teinane P View	<u>~</u> Q	0 0
Select File Type					
Select the file type you want to generate					
• PDF					
€) Exit		Review	Previous		Vext
Click Next. The Schedule Report window	opens.				
In the Schedule Report window, select the	time range and schedule for the report.				
The following Time Range options are ava	uilable:				
Last 3 hours					
• Last 24 hours					
• Last 7 days					

Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

- Run Now
- Run Later

Run Recurring

You can also select a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 48: Schedule Report

≡ C	isco DNA Center	Generating a New Report	Switch Ferser MSP View ✓ Q @ C5
	Schedule Report		
	Time Range • Last 3 Hours • Last 2 Hours • Last 7 Days • Outiom		
	Schedule Run Now Run Later (One-Time) Run Recurring		

	Exit		Review	Previous	Next				
	Click Next. 7	The Delivery and Notification window opens.							
Step 11	In the Delive	In the Delivery and Notification window, select the Delivery mechanism for the report.							
	The options include:								
	• Email R	• Email Report: Email report is sent as a link or attachment.							
	Note	If you have not yet configured an SMTP server for the emails, you Follow the prompts to the Email tab in the GUI to configure a SM > External Services > Destinations > Email .	-	-	•				
		k : The email notification of a successfully compiled report has a link ports page under Reports . You can view and download the report from the second				ated			
	NI - 4				т.				

- Email notifications with embedded links to reports support up to 20 email addresses. To add Note multiple email addresses, you need to add each email address separately and press Enter (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
- Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 49: Delivery and Notification

■ Cisco DNA Center	Generating a New Report	Sento Fenera MSP View → Q Ø Ø
Delivery and Notification		
• Email Report		
As a Link As an Attachment		
Add Email		
O Webhook Notification		
0.51		

Click Next. The Summary window opens.

Step 12 In the **Summary** window, review the configuration and if necessary edit any of the files.

Figure 50: Summary

	Generating a New Report	Social Ferrer MSP View V Q @ C
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Exit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edit File Type POF		
 Time Range Edit Time Range Last 3 Hours 		
Exit:		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 51: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	-

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run a Licensing Report

Perform this procedure to configure **Licensing** reports about your network. You can configure **Licensing** reports using the **Reports** window in the Cisco DNA Center GUI.

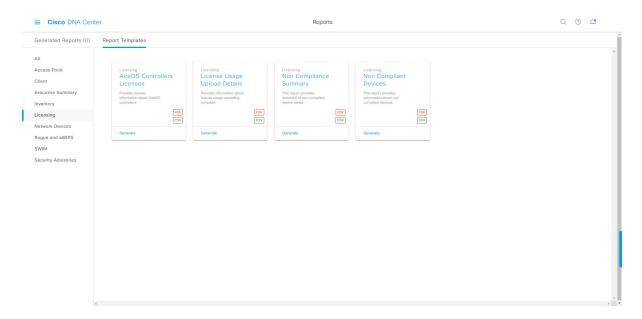


Figure 52: Licensing Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in the network, along with their software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- **Note** The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 53: Report Templates Window

E Cisco DNA Cente	er		Reports		Q Ø ඵ
enerated Reports (0)	Report Templates				
ccess Point lient	Licensing AireOS Controllers Licenses	Licensing License Usage Upload Details	Licensing Non Compliance Summary	Licensing Non Compliant Devices	
vecutive Summary	Provides license information about AireOS controllers	Provides information about license usage uploading schedule	This report provides summary of non compliant device series	This report provides Information about non compliant devices	
censing	PDF CSV	PDF	PDF CSV	PDF CSV	
etwork Devices	Generate	Generate	Generate	Generate	
VIM					
curity Advisories					

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Licensing** report you can create an **AireOS Controllers Licenses** report. Within the tile are also icons that represent the supported file types for the reports (PDF or CSV).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Tables that assist you in analyzing the data.

I

Note You can use the sample report to plan how you want your report to look.

- **Step 4** Click **X** to close the preview.
- **Step 5** In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 54: Generate a New Report

≡ Cisco DNA Ce		Reports		ι 💿 🗷
Generated Reports (1) Report Templates			
All				1
Access Point			×	-
Client Executive Summary	Generate a New Report			-
Inventory SWIM	Report will be generated once you select the scope of the data. Let's begin to schedule the report.			
	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the Template from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 55: Select Report Template

Select F	Report Te	emplate												
Select the tem	plate for the re	port												
Template* AireOS Controll	lers Licenses	~												
Preview														
													Ļ	
	Cisc	o DNA	A Cen	ter				ted on W	/ed, 23 \$	Sep 2020			ł	
	Cisc	o DNA	A Cen							Sep 202(ł	
	Cisc	o DNA	\ Cen		AireC					Sep 202(
	Cisc	O DNA	A Cen		AireC)S c	ontro			Sep 2020	0 03:55	53 UTC		
	Cisc (Device Type			AireC					Sep 202(Registration Status	03:55 Total AP count	53 UTC		
	Device			Device	Мас	DNA License	Ontro Network License	Virtual	S	Registration	Total AP	License		

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

In the **Report Name** field, enter a report name and click inside the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The **Setup Report Scope** options change depending upon the selected **Template**.

≡ Ciso	co DNA Center	Generating a New Report	Switch Tensert MSP View V Q @ C
	Setup Report Scope Name the report and select the scope to include in repor Report Name Client Report for Mar 18, 2020 at 02:29 pm Scope		
	SSID V		
	Band v		
€] Exit			Previous Next

Click Next. The Select File Type window opens.

Step 9 In the **Select File Type** window, select the file type for the report.

Depending on the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 57: Select File Type

Cisco DNA Center	Generating a New Report	Switch Tenant MSP View V Q @ C
Select File Type		
Select the file type you want to generate		
• PDF		
Exit		Review Previous Next
Click Next. The Schedule Report wind	low opens.	
In the Schedule Report window, select	the time range and schedule for the rep	ort.
The following Time Range options are	available:	
Last 3 hours		
• Last 24 hours		

- Last 7 days
- Custom

Step 10

Note Clicking **Custom** displays fields where you can choose the date and time interval for a specific report type, and the time zone (GMT) for the time range.

The following Schedule options are available:

• Run Now

- Run Later
- Run Recurring

You can also select a time zone for the report when configuring with the following **Schedule** options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 58: Schedule Report

≡ C	isco DNA Center	Generating a New Report	Switch Trinant MSP View	<u>~</u> Q @	6
	Schedule Report				
	Time Range				
	Last 3 Hours				
	Last 24 Hours				
	Cust / Days				
	Schedule				
	Run Now				
	O Run Later (One-Time)				
	O Run Recurring				

€) Exit	Review	Previous	Next
Click Next. The Delivery and Notification window opens.			

- In the **Delivery and Notification** window, select the delivery mechanism for the report:
 - Email Report: Email report is sent as a link or attachment.
 - Note If you have not configured an SMTP server for the emails, you are prompted to configure one. Follow the prompts to the Email tab in the GUI to configure an SMTP server. Click System > Settings > External Services > Destinations > Email tab.
 - Link: The email notification of a successfully compiled report has a link to the report and to the Generated Reports page under Reports. You can view and download the report from this location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
 - Attachment: Report is attached to the email notification.

Step 11

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you are prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook.

You receive status webhook notifications for the report, for example, **In Queue**, **In Progress**, and **Success**. You are also able to view these notifications in the GUI.

Figure 59: Delivery and Notification

E Cisco DNA Center Generating a New Report	Switch The MSP View	r <u>×</u>	Q @	C
Delivery and Notification				
Email Report				
As a Link				
O As an Attachment				
Add Email				
O Webhook Notification				
Exit	Review	Previous	Next	

Click Next. The Summary window opens.

Step 12 In the Summary window, review the configuration and, if necessary, edit the files.

Figure 60: Summary

■ Cisco DNA Center	Generating a New Report	Switch Foreign MSP View V Q @ &
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Coppe Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edit File Type PDF		
✓ Time Range Edit Time Range Last 3 Hours		
€] Exit		Previous

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window is displayed with instance details of the report that was scheduled.

Figure 61: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	🧶 Mar 16, 2020 at 3:14 pm 🛓	1	CSV	Client	Client Detail	

What to do next

Review your report instance in Generated Reports window.



You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run a Network Devices Report

Perform this procedure to configure **Network Devices** reports for your network. You can configure **Network Devices** reports using the **Reports** window in the Cisco DNA Center GUI.

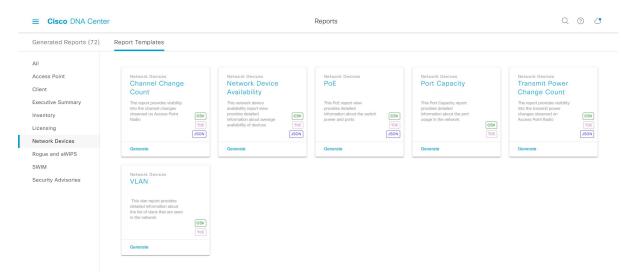


Figure 62: Network Devices Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. Each category is represented by link. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.
- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.

- Inventory: Report that lists devices discovered by Cisco DNA Center.
- Licensing: Reports that list noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices in your network.
- Rogue and aWIPS: Reports that provide data about threats in your network.
- SWIM: Report that lists the software and version of the devices in your network.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.

Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the Report Templates window for that selected category. Figure 63: Network Devices Reports

	iter		Reports		Q () C
Generated Reports (72)	Report Templates				
Generated Reports (72) All Access Point Client Executive Summary Inventory Licensing Network Devices Rogue and aWIPS SWIM Security Advisories	Report Templates Network Devices Channel Change Count Writers provides relating the perchange of subgits that Writers of the perchange of the tasts Generate Network Devices ULAN The van report provides the list of views that are seen in the network:	Network Devices Network Device Availability Internetwork device andiability provide provides detailed availability of devices (CRV) (JOE)	Network Devices POE This POE report view provide detailed information about the switch power and ports (CBV) (TEE (SON) Centerate	Network Devices Port Capacity This Port Capacity Information about the port usage is the network. (D) Tot	Network Devices Transmit Power Change Count The regot powdes visibly into the transmit power changes downed on Access Poter Radio (SD) (SO) Generate
	Generate				

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Network Devices** report you can create a **Channel Change Count**, **Network Device Availability**, **PoE**, **Port Capacity**, **Transmit Power Change Count**, or **VLAN** report. Within the tile are also icons that represent the supported file types for the reports (CSV, TDE, or JSON).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).
- Tables that assist you in analyzing the data.
- **Note** You can use the sample report to plan how you want your report to look.

L

Step 4 Click **X** to close the preview.

Step 5 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 64: Generate a New Report

≡ Cisco DNA C		Reports		ر ۱۰ د
Generated Reports (1) Report Templates			
All Access Point Citent Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		×	
	Don't show this to me again			

The Setup the Report Template window opens.

Step 7 In the Setup the Report Template window, select the template for the report.

Choose the **Template** from the drop-down menus.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an auto-generated sample in the same window.

Figure 65: Setup Report Template

Solo	ect Report Tem	oloto						
Sele	ct Report Tem	plate						
Solost t	he template for the report							
Select	the template for the report							
Template								
Network	Device Availability	~						
Previe	214/							
PIEVI	2 44							
	A	В	С	D	E	F	G	н
	Filters							
2								
3	Location	Global/SH/SH-B1, Glob	al/SH/XINSI/4F					
4	Device Type	Access Point						
5	Start Time	2020-04-25 13:50:42.42	23 PM UTC					
6	End Time	2020-04-26 13:50:42.42	23 PM UTC					
7								
8	Device Type	Device Name	Device IP Address	Location	Software Version	Availability (%)		
9	Access Point	AP3802-102	10.79.59.102	Global/SH/XINSI/4F	8.10.105.0	100%		
10	Access Point	AP1852-113	10.79.59.113	Global/SH/XINSI/4F	8.10.105.0	100%		· · · · · ·
11	Access Point	C9120-115	10.79.59.115	Global/SH/SH-B1/5F	8.10.105.0	100%		1
12	Access Point	AP2802-117	10.79.59.117	Global/SH/XINSI/4F	8.10.105.0	100%		
13	Access Point	AP3802-101	10.79.59.101	Global/SH/XINSI/4F	8.10.105.0	100%		
14	Access Point	DT-AP-7	128.2.1.7	Global/SH/XINSI/4F	8.5.97.168	0%		
	Access Point	AP1815-69	10.79.46.69	Global/SH/XINSI/4F	8.10.105.0	100%		
15	Access Point	AP4800-68	10.79.46.68	Global/SH/XINSI/4F	8.10.105.0	100%		

Exit

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click on the filter options that you want for the report.

Note The Setup Report Scope options will change depending upon the selected Template.

Figure	66:	Setup	Rep	ort	Scope	9
--------	-----	-------	-----	-----	-------	---

\equiv Cisc	o DNA Center		Generating a New Report	Switch Timani MSP View	<u>~</u> Q	0 2	
	Setup Report Scope Name the report and select the scope to include in Report Name Client Report for Mar 18, 2020 at 02:29 pm	report.					
	Scope Location SSID	~					
	Band Group By	~					
€ Exit				Previous		Next	

Click Next. The Select File Type window opens.

L

Step 9 In the **Select File Type** window, select the file type for the report.

Depending on the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option will display that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 67: Select File Type

■ Cisco DNA Center	Generating a New Report	
Select File Type		
Select the file type you want to generate		
• PDF		
€ Exit		Review Previous Next
Click Next. The Schedule Report w	vindow opens.	
In the Schedule Report window, sel	lect the time range and schedule for the repor	t.
The following Time Range options	are available:	
Last 3 hours		
• Last 24 hours		

- Lust 21 Hour
- Last 7 days
- Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

• Run Now

- Run Later
- Run Recurring

You can also select a timezone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 68: Schedule Report

■ Cisco DNA Center	Generating a New Report	Switch Telebart MSP View V Q ③ C3
Schedule Report		
Time Range		
Last 3 Hours		
C Last 24 Hours		
O Last 7 Days		
O Custom		
Schedule		
Run Now		
O Run Later (One-Time)		
O Run Recurring		

€ Exit	Review	Previous	Next
Click Next. The Delivery and Notification window opens.			

Step 11 In the **Delivery and Notification** window, select the delivery mechanism for the report.

The options include:

- Email Report: Email report is sent as a link or attachment.
 - Note If you have not yet configured a SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the **Email** tab in the GUI to configure a SMTP server. Click **System > Settings** > **External Services > Destinations > Email**.
 - Link: The email notification of a successfully compiled report will have a link back to itself and the Generated Reports page under Reports. You can view and download the report from this link and location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
 - Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down menu (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 69: Delivery and Notification

■ Cisco DNA Center	Generating a New Report	MSP View V Q @ C
Delivery and Notification		
• Email Report		
As a Link As an Attachment		
Add Emeil		
Webhook Notification		
0.0.0		

Click Next. The Summary window opens.

Step 12 In the Summary window, review the configuration and if necessary edit any of the files.

Figure 70: Summary

≡ Cisco DNA Center	Generating a New Report	Sector Intern MSP View V Q @ C
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Eat File Type PDF		
✓ Time Range Edit Time Range Last 3 Hours		
€) Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 71: Generated Reports

■ Cisco DNA Center		Reports				e Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	

What to do next

Review your report instance in Generated Reports window.



You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run a Rogue and aWIPS Report

Perform this procedure to configure **Rogue and aWIPs** reports for your network. You can configure **Rogue and aWIPS** reports using the **Reports** window in the Cisco DNA Center GUI.

■ Cisco DNA Cen	ter	Reports	Q @ 4
Generated Reports (0)	Report Templates		
All			
Access Point Client	Rogue and aWIPS New Threat	Rogue and aWIPS Threat Detail	
Executive Summary Inventory Licensing Network Devices	This report provides for the detailed information about the new rogue AP's and CSY aVIVPS threats that are seen in the network. JSDN:	This report provides for the detailed information about the rogan //P and 40MPS threads that are seen in the reteriork	
Rogue and aWIPS	Generate	Generate	
SWIM Security Advisories			
	4		*

Figure 72: Rogue and aWIPS Reports

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- **Note** The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 73: Reports Templates Window

■ Cisco DNA Cen	ter	Reports	Q ()) 🔿	
Generated Reports (0)	Report Templates				^
All Access Point	Rogue and aWIPS Rogue and aWIPS				^
Client	New Threat Threat Detail				
Executive Summary Inventory Licensing	This report provides for the detailed information about the negative APS and and the negative APS and about the negative APS and				I
Network Devices Rogue and aWIPS	Generate Generate				
SWIM Security Advisories					

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Rogue and aWIPs** report you can create a **New Threat** or **Thread Detail** report. Within the tile are also icons that represent the supported file types for the reports (CSV, TDE, or JSON).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Graphical representation of the data (including line, bar, and pie graphs).

• Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

Step 4 Click **X** to close the preview.

Step 5 In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 74: Generate a New Report

≡ Cisco DNA (Center	Reports		\
Generated Reports	(1) Report Templates			
All Access Point Client Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		×	* Cay Tao 200
	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the **Template** from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 75: Setup Report Template

Figure 76: Setup Report Scope

Select Repo	rt Temp	late									
		lato									
Select the template for	ir the report										
Template*											
New Threat		\checkmark									
Preview											
											*
	Filters										
		All									
	Threat Level										
	Threat Type										
	Start Time	2020-05-06 06:28:22.423 AM UTC									
	End Time	2020-05-06 09:28:22.423 AM UTC									
	Threat Level	Mac Address	Threat Type	Detecting AP Name	Location	RSSI (dBm)	SSID	Vendor Name	Last Updated		
	_										

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The Setup Report Scope options change depending upon the selected Template.

≡ Cisc	o DNA Center	Generating a New Report	Switch Tenant MSP View	<u>⊻</u> Q ©	٥
	Setup Report Scope	i report.			
	Report Name Client Report for Mar 18, 2020 at 02:29 pm				
	Scope	<u>v</u>			
	SSID				
	Band Group By	<u> </u>			
Exit Exit			Previous	Next	

Click Next. The Select File Type window opens.

L

Step 9 In the **Select File Type** window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 77: Select File Type

≡ Cisco DNA Center	Generating a New Report	Sw MS	reh finant P View 🗸	Q @ 4
Select File Type Select the file type you want to generate • PPr				
€) Exit		Review	Previous	Next
Click Next. The Schedule Report window	v opens.			
In the Schedule Report window, select th	e time range and schedule for the	report.		
The following Time Range options are av	vailable:			
• Last 3 hours				

- Last 24 hours
- Last 7 days
- Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

• Run Now

- Run Later
- Run Recurring

You can also select a time zone for the report when configuring with the following **Schedule** options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 78: Schedule Report

	Generating a New Report	Switch MSP	View 🗸	Q @	C
Schedule Report					
Time Range					
• Last 3 Hours					
O Last 24 Hours					
O Last 7 Days					
Custom					
Schedule					
Run Now					
O Run Later (One-Time)					
O Run Recurring					

Eat	Review	Previous	Next	
Click Next. The Delivery and Notification window opens.				

Step 11 In the **Delivery and Notification** window, select the Delivery mechanism for the report.

The options include:

- Email Report: Email report is sent as a link or attachment.
 - Note If you have not yet configured an SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the **Email** tab in the GUI to configure an SMTP server. Click **System > Settings** > **External Services > Destinations > Email**.
 - Link: The email notification of a successfully compiled report has a link back to itself and the Generated Reports page under Reports. You can view and download the report from this link and location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
 - Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue", "In Progress", and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 79: Delivery and Notification

■ Cisco DNA Center	Generating a New Report	Sento Fenera MSP View → Q Ø Ø
Delivery and Notification		
• Email Report		
As a Link As an Attachment		
Add Email		
O Webhook Notification		
0.51		

Click Next. The Summary window opens.

Step 12 In the **Summary** window, review the configuration and if necessary edit any of the files.

Figure 80: Summary

■ Cisco DNA Center	Generating a New Report	twordt Fenert MSP View ✓ Q. @ đ
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Edit Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edit File Type PDF		
✓ Time Range Edit Time Range Last 3 Hours		
		Previous

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 81: Generated Reports

■ Cisco DNA Center		Reports				<u>_</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run an ROI Report

The Cisco DNA Center platform ROI Insights report is a customized report that shows the productivity improvement of network operations with Cisco DNA Center and comparative ROI insights with a traditional NMS.

The following procedure describes how to configure an ROI report for a network operation.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Usage Insights**.

The Usage Insights window displays the following information:

- SAVINGS: Displays the time and cost saved on network operation with Cisco DNA Center for a selected time range.
- ROI Insights: Lists the ROI Insights report that is created based on Features, Time Saved, Cost Saved, Usage KPI, Traditional NMS time, Cisco DNA Center time, and Actions.
- Savings Trends: Displays the savings trend of Cost and Time for an ROI Insights report.
 - Note The Savings Trends area appears only if the selected time range is more than a month.
- Step 2 In the Campus Network Assurance, Network Device Onboarding, Campus Software Image Management, and Campus Network Segmentation areas, enter the time savings in the Hours and Minutes name fields for a traditional NMS and Cisco DNA Center.
 - Traditional NMS: Average time to detect and resolve an issue in the network without Cisco DNA Center.
 - Cisco DNA Center: Average time to detect and resolve an issue in the network with Cisco DNA Center.
- Step 3To modify the Cost Inputs and IT Inputs, click Customize ROI Insights and make the changes.The Customize ROI Insights area displays the preconfigured Avg. Cost per IT Staff, Currency, No. of IT Staff, and
Avg. Annual Hrs Worked.
- **Step 4** To edit the time savings for a feature, click the corresponding **Edit** link under the **Actions** column and update the time in the subsequent pop-up window.
- **Step 5** To choose the time range for which you want to see the ROI report, click the time range drop-down list below the **Customize ROI Insights** pane and click a time range radio button.
 - a) Choose from the available time range options: 1 Month, 3 Months, 6 Months, and 1 Year.
 - b) To customize the time range of ROI reports, click the time range drop-down list, click **Custom**, and define the **Start Date** and **End Date**.

Figure 82: Usage Insights Report Dashboard

■ Cisco DNA Ce	enter		Reports				Q @ C 4
Generated Reports	Report Templates Usage Insights						
ROI Report	Customize ROI Report No. of IT S	taff · 100 Avg. Cost per IT Staff ·	30000 Currency · USI	D Avg. Annual Hrs Worked · 2	087		
	O 1 Month ∨ Mar 15, 2021 - Apr 15, 2021						🕂 Ехро
	SAVINGS	DEPLOYMENT INSIGHTS					
	8 days 18 hrs \$301 K Time Saved Cost Saved	0 0 Devices Deployed Avg. Cl	ients Managed				
			Learn how these nu	umbers are calculated			
	ROI Insights						
	Features 🔺	Time Saved ()	Cost Saved (\$) ()	Usage KPI ()	Traditional NMS	Cisco DNA Center	Actions
	Campus Network Assurance	7 days 18 hrs	267K	62 issues resolved	4 hrs 0 mins	1 hr 0 mins	
	Campus Network Segmentation			0 virtual networks	4 hrs 0 mins	1 hr 0 mins	
	Campus Software Image Manager	ent		0 images activated	24 hrs 0 mins	30 mins	
	Network Device Onboarding	1 days 0 hrs	34K	8 devices provisioned	4 hrs 0 mins	1 hr 0 mins	

Step 6 Click Learn how these numbers are calculated above the ROI Insights table in the middle pane to see the calculation details.

The Calculation Details window shows how to calculate Time Saved and Cost Saved.

Step 7 To export the ROI report, click **Export**.

The supported file types for the reports are PDF and CSV.

Run a Security Advisories Report

Perform this procedure to configure a **Security Advisories** report about your network. You can configure a **Security Advisories** report using the **Reports** window in the Cisco DNA Center GUI.

E Cisco DNA Center	Reports	Q (1) C
Cisco DNA Center Generated Reports (o) Report Templat All Access Point Citinat Executive Summary Licensing Network Devices Rogue and aWIPS SWIM Security Advisories	s isories idia	Q () ()

Figure 83: Security Advisories Report

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.
- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- **Note** The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking on a link, review the Report Templates window for that selected category. Figure 84: Report Templates Window

E Cisco DNA Cen	ter	Reports	Q (0 4	
Generated Reports (0)	Report Templates				
All Access Point Client Executive Summary Inventory Licensing Network Devices Rogue and AWIPS SWIM Security Advisories	Security Advisories Security Advisories Data The Security Advisories Security Advisories The Security Advisories Security The Certain Cert				

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **Security Advisories** report you can create a **Security Advisories Data** report. Within the tile are also icons that represent the supported file types for the reports (PDF, CSV, or TDE).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- · Data metrics and summaries
- Tables that assist you in analyzing the data.

Note You can use the sample report to plan how you want your report to look.

- **Step 4** Click **X** to close the preview.
- **Step 5** In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 85: Generate a New Report

≡ Cisco DNA C	enter	Reports	i 💿 🗷
Generated Reports (1) Report Templates		
All Access Point Client	Occurrente a New Depart	×	
Executive Summary Inventory SWIM	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to schedule the report.		T T T
	Don't show this to me again		

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the Template from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 86: Select Report Template

Select Re	port ⁻	Template								
Select the templa	ate for the	report								
Template* Security Advisorie:	s Data	~								
Preview										
										l
Cis	i co Di	NA Cente		ırity Adv	isories F					
Cis		NA Cente		urity Adv	isories F		Advisory ID	e, 16 Jun 20	020 01:40:22 UTC	
	Name 1-		Secu			Report				
Device M iwc2-brl	Name 1- ico.com	IP Address	Secu Device Type	Serial Number	Image Version	Report	Advisory ID cisco-sa-priv-esc3-	CVSS Score 6.7	Impact	

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The **Setup Report Scope** options change depending upon the selected **Template**.

Figure 87: Setup Report Scope

≡ C	isco DNA Center	Generating a New Report	Switch Tenant MSP View V	0 4
	Setup Report Scope Name the report and select the scope to include in report. Report Name Client Report for Mar 18, 2020 at 02:29 pm Scope Location			
	SSID ~			
	Group By 🗸			
€ Exit			Previous	Next

Click Next. The Select File Type window opens.

Step 9 In the **Select File Type** window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Step 10

Figure 88: Select File Type

\equiv Cisco DNA Cer	ter Generating a New Report <u>MSP View</u> Q O C
Selec	: File Type
Select the	file type you want to generate
PDF	
Exit	Review Previous Next
lick Next . T	he Schedule Report window opens.
the Schedu	le Report window, select the time range and schedule for the report.
he following	Time Range options are available:
• Last 3 h	ours
• Last 24	10urs
• Last 7 d	ays
• Custom	
Note	Clicking Custom opens up fields where you can choose the date and time interval per the spectreport type, as well as the time zone (GMT) for the time range.
	Schedule options are available:
he following	
he following • Run Nov	v

- Run Recurring

You can also select a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 89: Schedule Report

■ Cisco DNA Center	Generating a New Report	MSP View V Q (2)
Schedule Report		
Time Range		
C Lati 7 Days Custom		
Run Now Run Later (One-Time) Run Recurring		
f) Exit		Review Previous Next

Click Next. The Delivery and Notification window opens.

Step 11 In the **Delivery and Notification** window, select the Delivery mechanism for the report.

The options include:

- Email Report: Email report is sent as a link or attachment.
 - Note If you have not yet configured an SMTP server for the emails, you will be prompted to configure one. Follow the prompts to the **Email** tab in the GUI to configure an SMTP server. Click **System > Settings** > **External Services > Destinations > Email**.
 - Link: The email notification of a successfully compiled report has a link back to itself and the **Generated Reports** page under **Reports**. You can view and download the report from this link and location.
 - **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
 - Attachment: Report is attached to the email notification.
 - **Note** PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.

- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 90: Delivery and Notification

≡ Cisco DNA Center	Generating a New Report	Switch Tentan MSP View 🛛 🗸 🔘 🖪
Delivery and Notification		
Email Report As a Link As an Attachment		
Add Email		
O Webhook Notification		
€ Exit		Review Previous Next
Click Next. The Summary window opens.		

Step 12 In the **Summary** window, review the configuration and if necessary edit any of the files.

Figure 91: Summary

	Generating a New Report	Secold Ferrer MSP View ♀ Q. @ ♂
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Esti Location Not Selected SSID Not Selected Band Not Selected Group By Not Selected		
✓ File Type Edx File Type PDF		
 Time Range Edit Time Range Last 3 Hours 		
Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 92: Generated Reports

■ Cisco DNA Center		Reports				<u>í</u> Q	0 🔿
Generated Reports (2) Report Templates							
						Last Updated: 2:33 PM	C Refresh
Q Search Table							
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary	
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail	-

What to do next

Review your report instance in Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

Run a SWIM Report

Perform this procedure to configure **SWIM** reports about your network. You can configure **SWIM** reports using the **Reports** window in the Cisco DNA Center GUI.

Figure 93: SWIM Reports

■ Cisco DNA Cen	ər	Reports	Q () ()
Generated Reports (0)	Report Templates		·
All Access Point Client	swim All Data		
Executive Summary Inventory Licensing Network Devices Rogue and aWIPS	The all data view provides detailed formation about software image applies of devices (TB) (TB) Centratie		
SWIM			
Security Advisories			

Before you begin

Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (\equiv) and choose **Provision** > **Inventory** to view the results.

Step 1 Click the menu icon (\equiv) and choose **Reports** > **Report Templates**.

The **Report Templates** window opens and displays the supported reporting categories. A link represents each category. Click a link to view only the supported reports for that category.

For this release, reporting is supported for the following categories:

- Access Point: Reports that provide data about Access Points and Access Point Radios.
- Client: Reports that help with analyzing how the clients are performing in the network.

- Executive Summary: Report that helps with analyzing how devices, applications, and clients are performing in the network.
- Inventory: Report listing devices discovered by Cisco DNA Center.
- Licensing: Reports that lists devices that noncompliant devices and the reasons for noncompliance.
- Network Devices: Reports that provide data about the devices within your network.
- Rogue and aWIPS: Reports that provide data about threats within your network.
- SWIM: Report listing all the devices in network with software and versioning.
- Security Advisories: Report that provides Cisco security advisory information on the network devices.
- Note The Access Point, Client, and Executive Summary reports support up to 90 days of data retention.

Step 2 After clicking a link, review the **Report Templates** window for that selected category.

Figure 94: Report Templates Window

■ Cisco DNA Cent	ter Reports	Q () 2
Generated Reports (0)	Report Templates	
All Access Point Client Executive Summary Inventory Licensing	SWIM AI Data Time of data way provides subhares image updates on directors	
Network Devices Rogue and aWIPS	Generate	
SWIM		
Security Advisories		
		,*

The **Report Templates** window displays supported report templates. Each template is represented by a tile and contains information about the report and links to configure (generate) a report. Determine which template you wish to use to generate a report. For example, for a **SWIM** report you can create an **All Data** report. Within the tile are also icons that represent the supported file types for the reports (PDF, CSV, or TDE).

Step 3 In the tile, click the header to view a sample report.

A window appears for the sample report. Use the side bar in the window to scroll down and review the entire sample report. The following data is presented:

- Applied filters (data filters that were used to build the report).
- Data metrics and summaries
- Tables that assist you in analyzing the data.

I

Note You can use the sample report to plan how you want your report to look.

- **Step 4** Click **X** to close the preview.
- **Step 5** In the tile, click the **Generate** link to configure parameters to build a report.

The **Generate** window opens where you can select a format type for the report, apply data filters for your reports, as well as set up schedules for the actual report generation.

Step 6 In the Generate a New Report window, click Let's Do It to get started.

Figure 95: Generate a New Report

■ Cisco DNA Cente	er	Reports		i 🔿 🔿
Generated Reports (1)	Report Templates			
All Access Point			-	
Client Executive Summary Inventory	Generate a New Report Report will be generated once you select the scope of the data. Let's begin to chedule the report.		×	x (x) (v) (v) (v)
	Don't show this to me again			

The Select Report Template window opens.

Step 7 In the **Select Report Template** window, select the template for the report.

Choose the Template from the drop-down lists.

Note The **Template** consists of the individual report types within the categories for the release.

You can review an autogenerated sample in the same window.

Figure 96: Setup Report Template

≡ C	isco DNA Center	Generating a New Report	Q @	۲.۵
	Setup Report Template Select the template for the report Template* All Data (SWIM)			
	Sample			
	Cisco DNA Center	Report Generated on Mon, 1 October 2018 20:45:53 UTC SWIM Report		
€ Exit			Ne	it

Click Next. The Setup Report Scope window opens.

Step 8 In the **Setup Report Scope** window, name the report and select the scope.

Enter a report name in the **Report Name** field and click in the **Scope** field to display the available filter. Click the filter options that you want for the report.

Note The Setup Report Scope options change depending upon the selected Template.

Figure	97: Setup	Report Scope	
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≡ Cisco DNA Center		Generating a New Report	Skitch Finant MSP View 🔽 Q. Ø 🖒
Setup Report Scope			
Report Name Client Report for Mar 18, 2020 at 02:29 p	m		
Scope			
Location	~		
SSID	~		
Band	~		
Group By	~		
{] Exit			Previous Next
Click Next. The Select Fil	e Type window	opens.	

Step 9 In the **Select File Type** window, select the file type for the report.

Depending upon the report that you are creating, the following **File Type** options may be available:

- PDF
- CSV
- Tableau Data Extract
- JSON

For the **CSV**, **JSON**, and **Tableau Data Extract** file types, a **Fields** option displays that permits you to select attributes (additional fields) for the CSV, JSON, and Tableau Data Extract results.

Figure 98: Select File Type

	Generating a New Report	Beach Foranc MSP View <u>v</u> Q ⊚ ⊄
Select File Type		
Select the file type you want to generate		
PDF		
€) Exit		Review Previous Next
Click Next. The Schedule Report win	dow opens.	
In the Schedule Report window, selec	t the time range and schedule for the report	rt.
The following Time Range options are	e available:	
Last 3 hours		
Last 24 hours		
• Last 7 days		

Custom

Step 10

Note Clicking **Custom** opens up fields where you can choose the date and time interval per the specific report type, as well as the time zone (GMT) for the time range.

The following Schedule options are available:

- Run Now
- Run Later

Run Recurring

You can also select a time zone for the report when configuring with the following Schedule options:

- Custom
- Run Later (One Time)
- Run Recurring

Figure 99: Schedule Report

≡	Cisco DNA Center	Generating a New Report	Switch Tentant MSP View V Q @ C
	Schedule Report		
	Time Range • Last 3 Hours Last 24 Hours Last 7 Days Custom		
	Schedule Sun Now Run Latar (One-Time) Run Recurring		

	Exit		Review	Previous	Next				
	Click Next. 7	The Delivery and Notification window opens.							
Step 11	In the Delive	ry and Notification window, select the Delivery mechanism for the	report.						
Step 11	The options include:								
	• Email Report: Email report is sent as a link or attachment.								
	NoteIf you have not yet configured an SMTP server for the emails, you will be prompted to configure Follow the prompts to the Email tab in the GUI to configure a SMTP server. Click System > Set > External Services > Destinations > Email.								
		k : The email notification of a successfully compiled report has a line ports page under Reports . You can view and download the report from the report fr				ated			
	Nat	• Email notifications with embedded links to reports support	um to 20 o	mailaddr					

- **Note** Email notifications with embedded links to reports support up to 20 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.
- Attachment: Report is attached to the email notification.

Note PDF reports support email notification attachments of up to 20-MB in size and up to 10 email addresses. To add multiple email addresses, you need to add each email address separately and press **Enter** (on your keyboard) after each addition. Cisco DNA Center platform validates the email addresses and notifies you if the syntax is incorrect.

Cisco DNA Center sends the following email notifications for the report:

- Report is in the queue waiting to be processed.
- Report processing is in progress.
- Report has successfully been compiled and is completed.
- Webhook Notification: Notification is sent as a webhook to the configured webhook URL address (callback URL). Select a webhook from the drop-down list (Subscription Profile field).
- Note If you have not yet created a webhook, you will be prompted to create one. Follow the prompts to the Webhook tab in the GUI to configure a webhook. In general, to configure a webhook, click System > Settings > External Services > Destinations > Webhook tab.

You will receive status webhook notifications for the report. For example, you will receive "In Queue," "In Progress," and "Success" webhook notifications. You will also be able to view these notifications in the GUI.

Figure 100: Delivery and Notification

Outline Outline Add Email Outline Outline	■ Cisco DNA Center	Generating a New Report	Sector Innant MSP View → Q ② Ø
As a Link Add Email	Delivery and Notification		
As an Attachment Add Email	Email Report		
Add Email			
	As an Attachment		
O Webhook Natification	Add Email		
Webhook Notification			
	O Webhook Notification		

Click Next. The Summary window opens.

Step 12 In the Summary window, review the configuration and if necessary edit any of the files.

Figure 101: Summary

	Generating a New Report	Seedch Tensant MSP View V Q ③ C
Summary Almost there! Please find below the summary of the Report		
 Report Name Edit Client Report for Mar 18, 2020 at 02:29 pm 		
Scope Edit Location Not Selected SiD Not Selected Band Not Selected Group By Not Selected		
File Type Edit File Type PDF		
✓ Time Range Edit Time Range Last 3 Hours		
🕤 Exit		Previous Next

Click Next.

After the report is generated, a success window appears.

Step 13 Click the **View the Generated Reports** link.

The Generated Reports window opens with instance details of the report that was scheduled.

Figure 102: Generated Reports

≡ Cisco DNA Center			S			Q (
Generated Reports (2) Report Templates								
						Last Updated: 2:33 PM	C Refresh	
Q Search Table								
Report Name	Schedule	Last Run 👻	Reports	Format	Template Category	Report Template	Actions	
Client Report for Mar 18, 2020 at 02:29 pm	One-Time on Mar 18, 2020 at 2:32 pm	In Queue	1	PDF	Client	Client Summary		
Client Report for Mar 16, 2020 at 03:13 pm	One-Time on Mar 16, 2020 at 3:13 pm	Mar 16, 2020 at 3:14 pm	1	CSV	Client	Client Detail		

What to do next

Review your report instance in the Generated Reports window.

Note You can download, review, edit, duplicate, or delete the report in the **Generated Reports** window. For additional information, see View Generated Reports, on page 85.

View Generated Reports

Perform this procedure to download, review, edit, duplicate, or delete a previously generated report.

Figure 103: Generated Reports

■ Cisco DNA Center		Platform - Developer Toolkit				Q	0	0
APIs Integration Flows Data and Reports	Multivendor Support Ever	nts						
Generated Reports (3) Report Templates								ĺ
Q Search Table							∇	
Report Name 🔺	Schedule	Last Run	Reports	Format	Report Template	Actions		
Client Report for Feb 05, 2020 at 01:07 pm	One-Time on Feb 5, 2020 at 1:09 pm	 Feb 5, 2020 at 1:09 pm 	1	PDF	Client			
Client Report for Feb 05, 2020 at 06:34 pm	Recurring on MON/TUE/WED/THU/FRI/SAT/SUN at 5:10 am	Feb 5, 2020 at 5:10 am 4	1	PDF	Client			
Client Report for Feb 05, 2020 at 11:09 am	One-Time on Feb 5, 2020 at 11:13 am	Feb 5, 2020 at 11:13 am 🕹	1	CSV	Client			

Before you begin

- Run a successful **Discovery** job in Cisco DNA Center. You can check whether a **Discovery** job is successful in **Device Inventory**. Click the menu icon (≡) and choose **Provision** > **Inventory** to view the results.
- Create a report using the Schedule functionality in the Catalog.

Step 1 Click the menu icon (\equiv) and choose **Reports**.

Step 2 Click the Generated Reports tab.

The following information is displayed:

• Report Name: Name of the report.

- If you did not give the report a name, a default name is given to the report that contains the report type with the date and time of the report.
 - **Note** With this release, the report name becomes a link that opens up a view of the report itself within the **Generated Reports** window. Also, there is a **Download** link that is provided to download a copy of the report.
- Schedule: One-time generated report or reoccurring report. Also, there is a brief description of the schedule that generated the report.
- Last Run: Displays report execution status and details. The following report execution status types may be displayed:
 - Not Initiated: Report scheduled but not yet started.
 - In Queue: Report scheduled and in the processing queue to be executed.
 - In Progress: Report currently being executed.
 - Completed: Report execution completed displaying the date and time.
 - Clicking on the icon (downward pointing arrow) downloads the last generated report.
 - Expired: Report expired and no longer available in Cisco DNA Center.
 - Error: Report execution failed.
- Reports: Number of reports up to a total of 7.

Hover (mouse) over the displayed report number and **View Report List** appears. Click **View Report List** to display a reports dialog box. The reports dialog box lists all the report executions, their status (**Not Initiated**, **In Queue**, **In Progress**, **Completed**, **Expired**, and **Error**) and a **Download** button to download a copy. Clicking **Error** displays any errors and warnings for the report execution.

- Important Cisco DNA Center retains a total of 7 reports. Specifically, Cisco DNA Center retains the last 7 reports that are executed, as well as the last 7 reports executed over the last 7 days (week). For example, if you run 8 reports in a single day, Cisco DNA Center will only retain the last 7 reports. If you schedule 1 report for each day, Cisco DNA Center will only keep the most recent 7 reports over the last 7 days (week). You can also export the reports in their various formats from the Cisco DNA Center and archive them to a safe location.
- Format: File format type, for example a PDF or CSV file format.
- Template Category: Type of report based on the catalog options (Client, Executive Summary, SWIM, or Inventory).
- Report Template: Template used when generating the report.
- Actions: List of tasks you can perform with the reports.

You can adjust the downloads that are displayed in the GUI by clicking the **Filter** icon and using the filter, or entering a keyword in the **Find** field.

- **Step 3** Click **Actions** to perform one or more of the following tasks:
 - View Config: Opens a window where the configured parameters for the report are displayed (including the schedule). You can review the configured report parameters in this window. You cannot make any changes to the report configuration in this window. This is a read-only view. If you must edit the configuration, click Edit. You can both view and edit a report configuration by clicking Edit.

- Edit: Opens a window where configured parameters for the report are displayed (including the schedule). You can review the parameters and also edit them in this window. Click **Save** after making any edits to the report.
- Important After you edit and update the report configuration, any future report executions reflect this new configuration. This is important if reports are being generated on a reoccurring schedule. Also, if you edit and update a report configuration, all the previous reports in Cisco DNA Center will be deleted. The GUI displays a warning about the deletion when clicking the Save button in the window. You do not have to make any edits in the configuration to click the Save button and delete all previous reports.
- **Duplicate**: Opens the **Duplicate** window where you can either view or configure the parameters for the report. Click **Generate Report** to generate the report again.
- **Note** If you want to create a new report based on an existing report and its configuration, use the **Duplicate** option and make changes to the configuration. This permits you to create a new report similar to the existing one, while retaining the existing report and its configuration. If you want to discard the existing report and completely replace it with a new report, use the **View Config** and **Edit** options as described previously.
- Run Now: Starts the process to execute the report. A Success message appears after a successful report execution.
- **Note** If you try to execute a report and there are seven previous reports, the GUI displays a warning that only the last seven reports are saved. You use the **Run Now** option when you must generate a report outside of an existing schedule for the reports.
- Delete: Deletes the report. You are prompted to confirm that this action before the report is deleted.

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