Uplevel Your Business with Better Data-Driven Insights, Fast

Cisco IoT Control Center Dynamic Reporting unlocks data for making better business decisions, improving operations, and increasing customer satisfaction.

Overview

Deriving insights from massive datasets can be complex. It requires sophisticated data analysis tools and resources.

Cisco® IoT Control Center Dynamic Reporting simplifies this process with an easy-to-use custom data extraction and report generation tool. It empowers you to create tailored reports for unique business and customer needs.

Cisco® IoT Control Center offers Dynamic Reporting and Dynamic Reporting API.

- Cisco IoT Control Center Dynamic Reporting offers data through custom reports in Control Center platform.
- Cisco IoT Control Center Dynamic Reporting API offer data through Control Center API.

Benefits

IoT Control Center Dynamic Reporting

- Get the data you need
  - Unlock insights from massive or previously unavailable datasets
- Increase Customer Satisfaction
  - Deliver impactful business insights and value to enterprise customers
- Act swiftly with ease
  - Empower yourself with self-service tools to create immediate business and operational reports without requiring data science expertise

IoT Control Center Dynamic Reporting API

- Efficient Time and Cost Savings - Eliminate manual processes by automating data requests. Set it up once for continuous, effortless data.
- Actionable Insights from Raw Data - Extract meaningful insights from Control Center's complex, unprocessed data, revealing hidden trends and patterns.
- Simplify Data Management - Enhance efficiency through automated processes for gathering, sharing, and integrating data.
- Custom Visualizations On-Demand - Create tailored visuals for data-driven decisions that match your specific needs.
- Seamless Dashboard Integration - Integrate data seamlessly into Power BI, Tableau, and more to display key insights effortlessly.

Insights are locked in massive data sets

Making effective decisions requires prompt access to customized data. Without specialized tools, extracting insights from large datasets, analyzing multiple data streams, and fulfilling particular business or customer needs can be challenging.

Relying on custom software development might lead to extended delays, which could potentially influence swift decision-making processes and affect customer satisfaction.

Detailed intelligence at your fingertips

Empower your reporting needs with Cisco IoT Control Center Dynamic Reporting user-friendly and self-service tools. These tools will enable you to effortlessly generate precise business analyses and reports on demand, without requiring data science expertise.

The report you generate may include specific data analysis such as the types shown in the table below.

Table 1.　Types of data analysis available

Broad Range of Reporting Categories Available	
Aggregated usage Total or filtered usage information	• Accounts(s) with more than X GB (total/data/SMS/voice) usage • Monthly aggregated total usage by account(s)/device(s) • Data/SMS/voice usage of X SIMs per month • Total aggregated usage for a specific account and a (monthly prepaid) rate plan
Billing details Pooled or nonpooled charges for accounts and devices	• Nonpooled data, SMS, and voice charges for rate plan(s) at device level • Total active subscribers changed per account • Pooled usage charges per account
Device information Filtered device details	• Devices deactivated last month • Activation date of all devices • Current status of all devices

Cisco IoT Control Center Dynamic Reporting API

1. Leverage API calls to request IoT Control Center reporting data for precise business analysis.

2. Retrieve data manually through API calls or automate requests at fixed intervals.

3. Integrate API responses seamlessly into customer-facing dashboards or Power BI to showcase relevant metrics and data.

When and how you need it

Cisco IoT Control Center Dynamic Reporting

1. Conveniently schedule single reports (with quick delivery, usually within 2 hours) and recurring reports (daily, weekly, or monthly).

2. Extract data in preferred format (CVS, Excel, DAT) via email, the IoT Control Center platform, or FTP.

3. Effortlessly replicate a report, including headers, filters, and more.

4. Filter report content by accounts, rate plans, report period, generation date, or data ranges.

Report creation flow is straightforward and intuitive, as shown below.
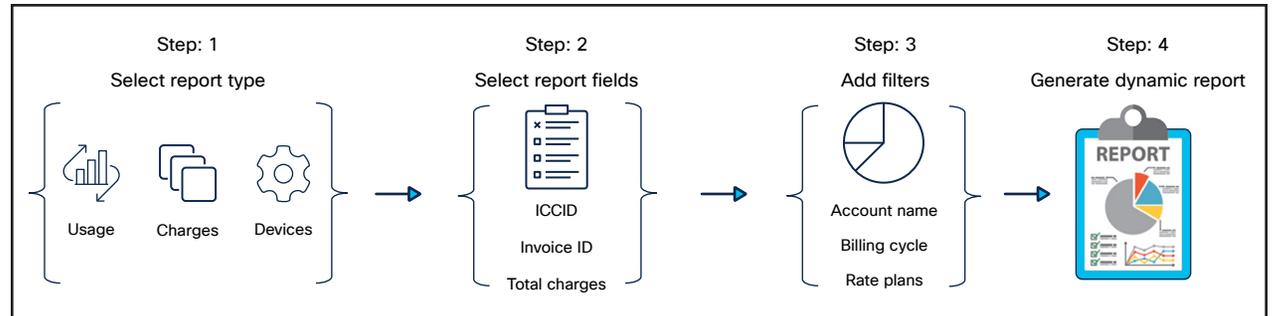

Figure 1.   Steps for creating a custom report in Cisco IoT Control Center Dynamic Reporting

Data available

The table below shows some of the data fields IoT Control Center Dynamic Reporting and IoT Control Center Dynamic Reporting API can capture.

Table 2.   Types of data fields – IoT Control Center Dynamic Reporting and – IoT Control Center Dynamic Reporting API

Usage	Billing	Device
Account ID	Data Charge – Overage	Country Code
Country	Data Charge – Roaming	Customer
IPv4 Address	SMS MO Charge	ICCID
IPV6 Address	SMS MT Charge	IMSI
RAT Type	Subscription Charges	Initial Activation Date
Rate Plan Name	Total Charges	Last APN/DNN Used
Session Duration	Total Overages Charges	SIM Profile ID
Total Aggregated Data Usage	Total Roaming Charges	Static IP Address
Total Aggregated SMS Usage	Voice MO Charge	Subscriber Status (for example, active, inactive)
Total Aggregated Voice Usage	Voice MT Charge	Tech Type

Key capabilities

Table 3. A Comprehensive Comparison Table showcasing the Key Capabilities of IoT Control Center Dynamic Reporting and IoT Control Center Dynamic Reporting API

Key Capabilities	Dynamic Reporting	Dynamic Reporting API
Definition	Ability to create custom reports in Control Center	Ability to request reporting data using API
Report Limits/API Call Limits	X reports per billing cycle	Unlimited reports/reporting data TPS limits applies to API calls
Data Ingestion Options	Manual · Users will have to download the report themselves · Download reports (CSV/Dat/XLS) at Control Center/Email	Manual and Automated · Users can use the API and request the data manually whenever they need · Users can automate the request to receive the data at a fixed interval
Data Delivery Time	2-3 hours	Synchronous and Asynchronous *Response time varies depending on which API endpoint you use
Mode of Data Delivery	Control Center Platform, Email	API response API response can be fed into a customer facing dashboard/Power BI to show them metrics and data relevant to them

Key Capabilities	Dynamic Reporting	Dynamic Reporting API
Category	Aggregated Billing Aggregated Usage Device Information Device Changes	Aggregated Usage Details TOP K Usage Top N SIMs that exceed usage by YMB New endpoints will be added in the next few releases
Record Limits	1M per record	15K records per response
Aggregated Data (from all PODs)	No (limited to one POD)	Yes

Summary

Go beyond pre-set reports with Cisco IoT Control Center Dynamic Reporting. Tailored to your unique business needs, these custom reports eliminate the need for additional analytics, saving time and accelerating decision-making. An easy-to-use self-service tools deliver precise information to you and your customers, exactly when needed.

Learn more

To learn how Cisco IoT Control Center can empower your organization with seamless IoT device management, advanced security features, and end-to-end visibility, visit the **Cisco IoT Control Center webpage**.

To learn more about Cisco's Mobility Services Platform, see the **solution overview**.