

Intersight Unlocked

cisco Live !

Strategies and best practices to get the most out of Intersight

Alistair Crawford
Solutions Engineer

Session ID: BRKCOM-2116

Cisco Webex App

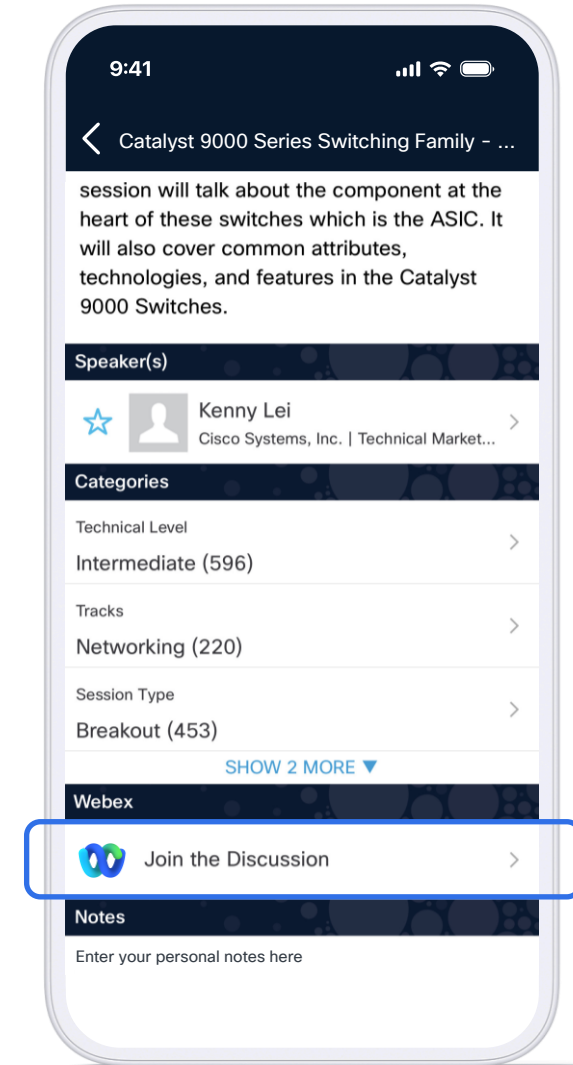
Questions?

Use Cisco Webex App to chat with the speaker after the session

How

- 1 Find this session in the Cisco Live Mobile App
- 2 Click “Join the Discussion”
- 3 Install the Webex App or go directly to the Webex space
- 4 Enter messages/questions in the Webex space

Webex spaces will be moderated by the speaker until 14 November 2025.



<https://ciscolive.ciscoevents.com/ciscolivebot/#BRKCOM-2116>

Agenda

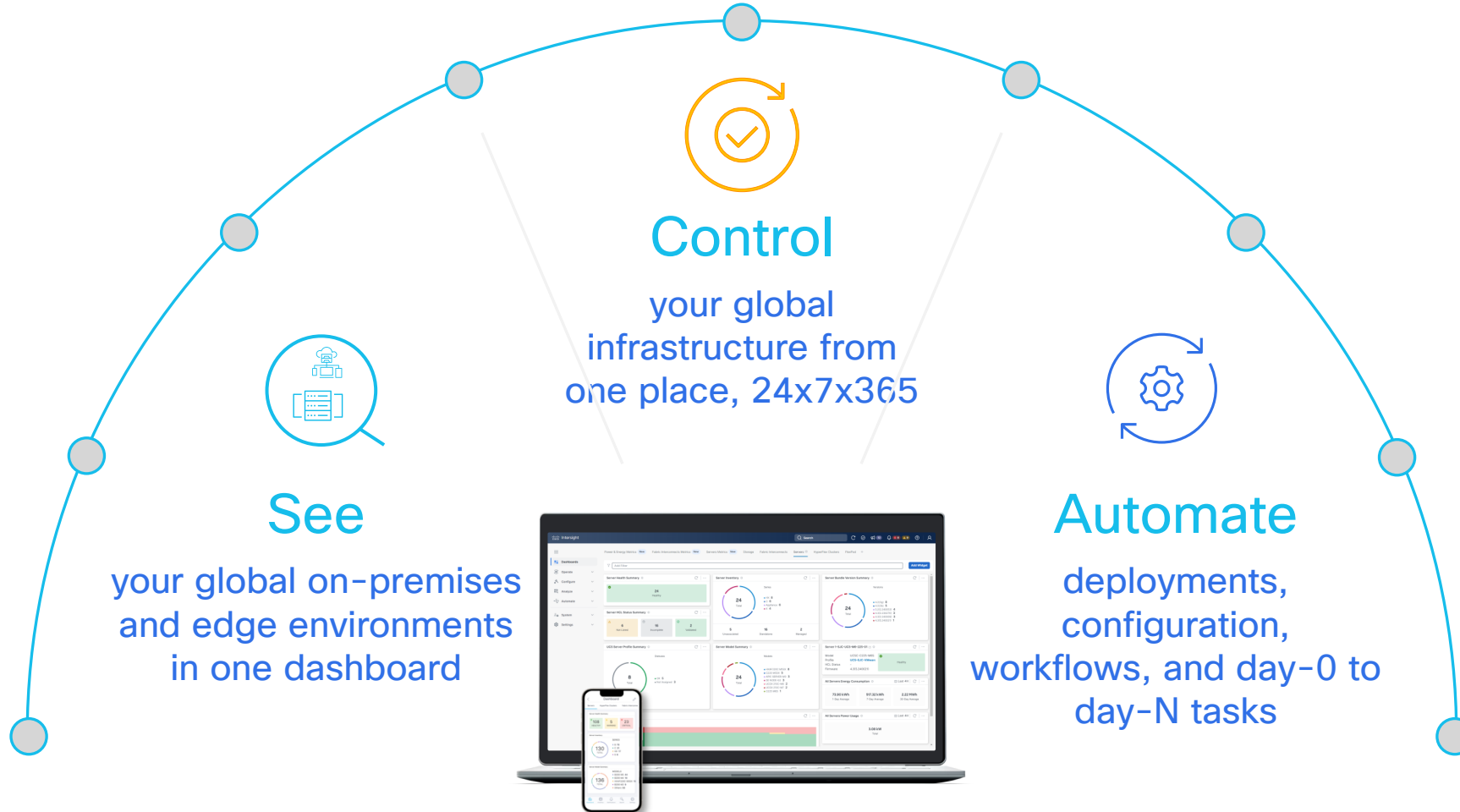
- 01 Intersight Overview/Recap**
- 02 Ecosystem and Integrations**
- 03 APIs and Automation**
- 04 Key Takeaways**

Intersight Overview/Recap

Cisco Intersight

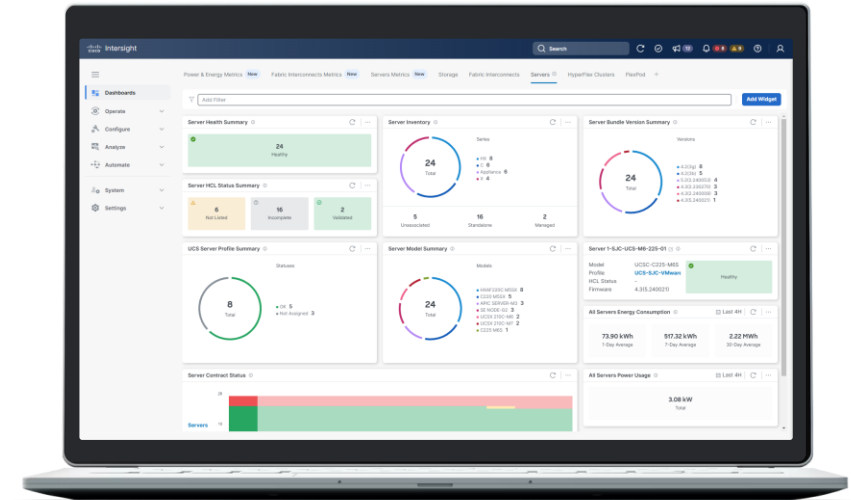
IT operations, simplified.

Cisco Intersight®



View in one place

- Your global Cisco and third-party infrastructure
- Servers, virtual machines, storage, and networking
- Real-time physical and virtual device status, UCS domain connectivity issues, security advisories, field notices, and hardware compatibility status
- Selected historical data (up to two years)



“[Cisco] Intersight® allowed us to quickly find a problem that would have taken us months to troubleshoot without the visibility that Intersight provides.”

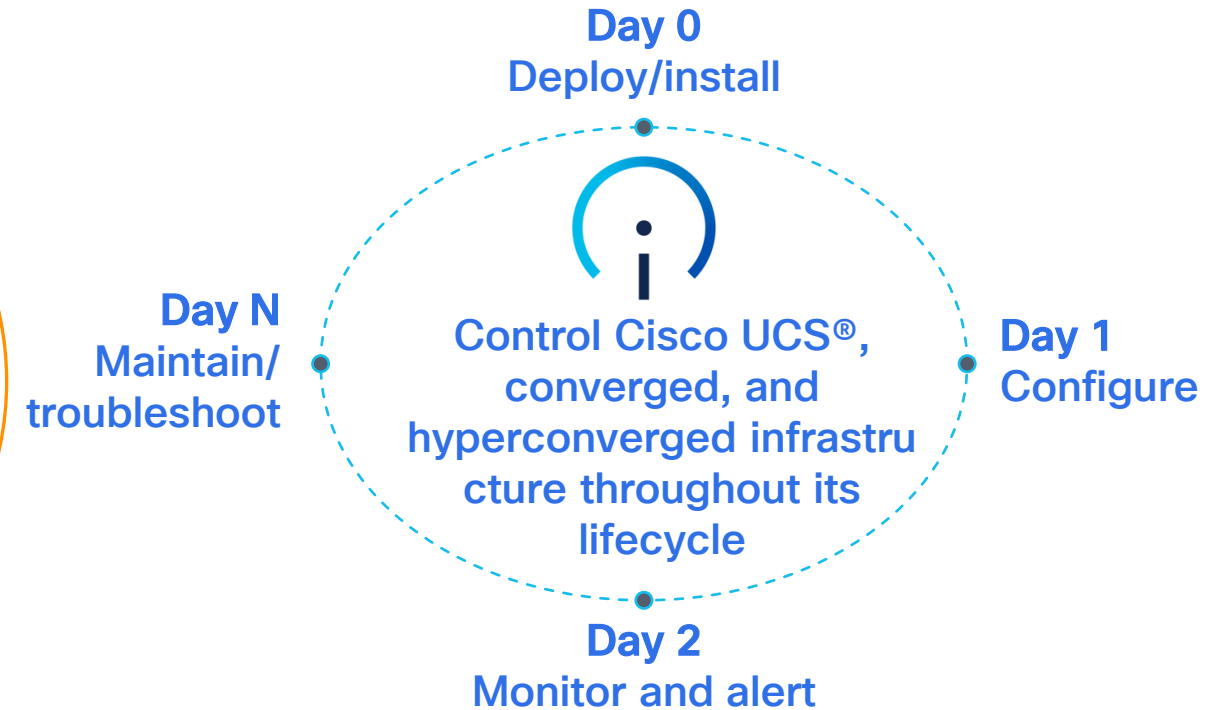
Director of IT and Communications, regional medical center

“With Cisco Intersight, I can now see information that I did not have before. It is one of the first places that we go to when we have performance issues or if a tech upgrade is requested.”

Director of IT, state governmental agency

Manage infrastructure throughout its lifecycle

Configure, deploy, monitor, manage, and support your physical and virtual infrastructure throughout its lifecycle from one place—anytime, anywhere



“[Cisco] Intersight® has reduced the weight of routine deployment and monitoring tasks so we can focus on the work that helps our business.”

Director of IT and Communications, regional medical center

Prevent, resolve, and analyse

Infrastructure issues with custom insights and automated support

- Reduce troubleshooting by 45-60 minutes*
- Close RMA cases up to two days faster*

*Reported by Cisco Intersight® customers

Prevent

Topology views
Security advisories and field notices
HCL baselining and notifications

Resolve

Connected support (Cisco® TAC)
Proactive RMAs

Analyze

Real-time and historical data
Out-of-the box dashboards
Customizable dashboards / widget library
Metrics Tab / Metrics Explorer

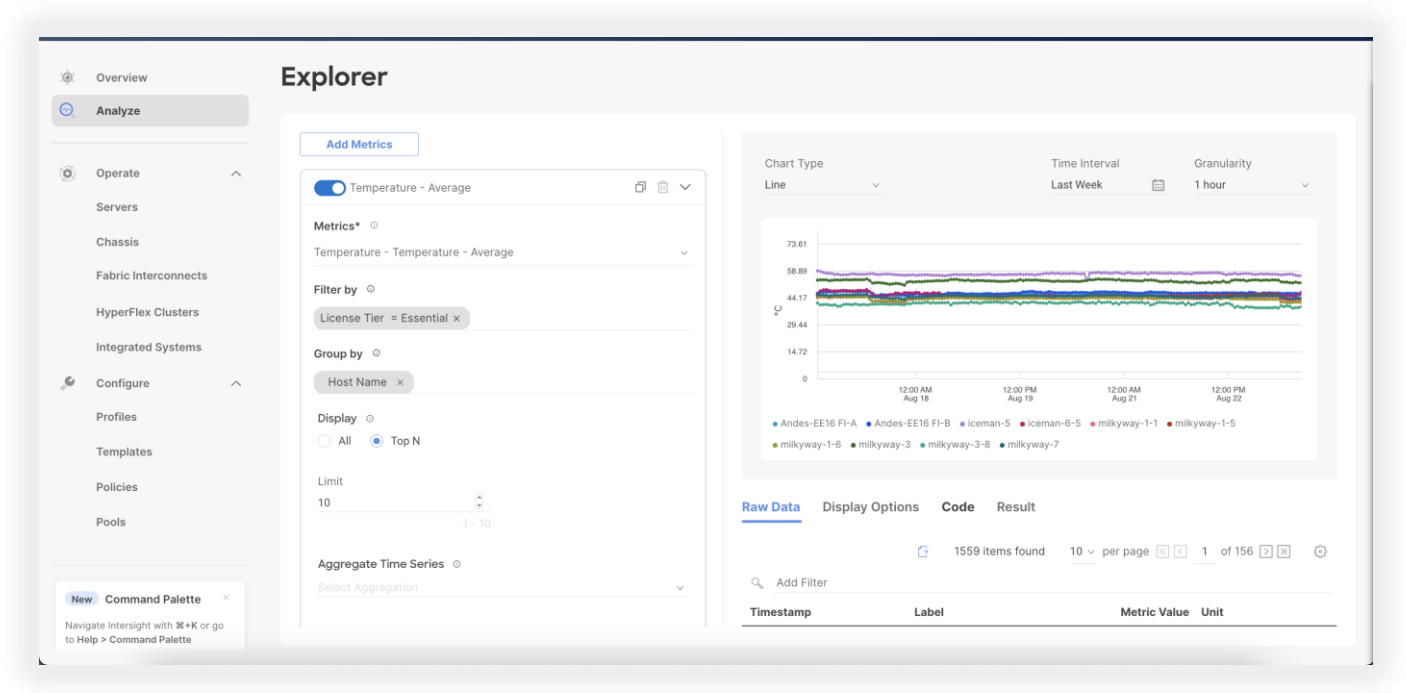
“You know you are being proactive when an engineer replaces a hard drive that was displaying anomalies before it fails and causes problems downstream.”

Distinguished Engineer, global technology conglomerate

Intersight Monitoring

Aggregate and visualize metrics collected for Fabric Interconnects and Servers

Monitor devices, optimize performance, identify bottlenecks and address any potential issues



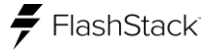
BRKCOM-2033 – Intersight Monitoring and Metrics: Bringing Enhanced Visibility to Infrastructure

Comprehensive infrastructure support



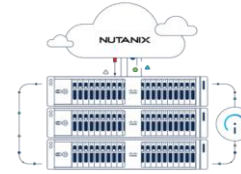
Cisco UCS

Configure, deploy, operate, and maintain C-Series and X-Series rack and blade servers, anytime and anywhere



Cisco converged infrastructure with UCS X-Series

See converged infrastructure inventory and incorporate into orchestrated workflows



Cisco Compute Hyperconverged with Nutanix

See and control your entire hyperconverged infrastructure fleet in one place—spanning clusters globally



AI-ready infrastructure

Cisco AI Pods: Deploy, monitor, and support AI inferencing solutions on-premises and at the edge

For data-intensive use cases like model training and deep learning: NVIDIA HGX and MGX servers

Intersight provides the most comprehensive set of infrastructure management capabilities for any UCS server form factor and most generations in one place.

Other vendors either provide less functionality, cannot cover their full server suite, or require you to use multiple tools.

Ecosystem integration

Storage plugins



- See storage capacity, controllers, configuration, snapshots, and replication



- Automate storage management and orchestration



- Use storage task library to create and execute workflows

Virtualization*



- See virtual machine inventory and supporting infrastructure across on-premises/edge environments



- Standardize management of virtual infrastructure



- Efficiently provision and simplify management of daily operations

ServiceNow plugins

Service Graph Connector for Cisco Intersight®

Ingest data from Cisco Intersight-connected devices into ServiceNow to resolve issues faster

Cisco Intersight: Incident Management Integration

Automated Incident Generation: Raises incidents in ServiceNow for alarms and advisories from Cisco Intersight

servicenow

Splunk Add-on

- Monitor your Cisco UCS infrastructure from Splunk
- Quickly diagnose and act on potential issues
- Leverage Splunk's analytics capabilities to identify potential issues in Intersight-managed UCS infrastructure
- Unify data from compute and other platforms in Splunk to gain a comprehensive understanding of IT operations
- Strengthen security posture by integrating Intersight's infrastructure insights with Splunk Enterprise's advanced threat detection and compliance monitoring

splunk>

API/SDKs

Cisco Intersight® API



Easily integrate
existing
tools into Intersight

Get the best of
Intersight and your
current tools

Maximize your
investments

SDKs



Prepackaged API
clients

Easy way to start
programming
against Intersight

Full access to the
API

Current SDKs



ANSIBLE



Deployment options

Intersight.com

Cisco-hosted SaaS

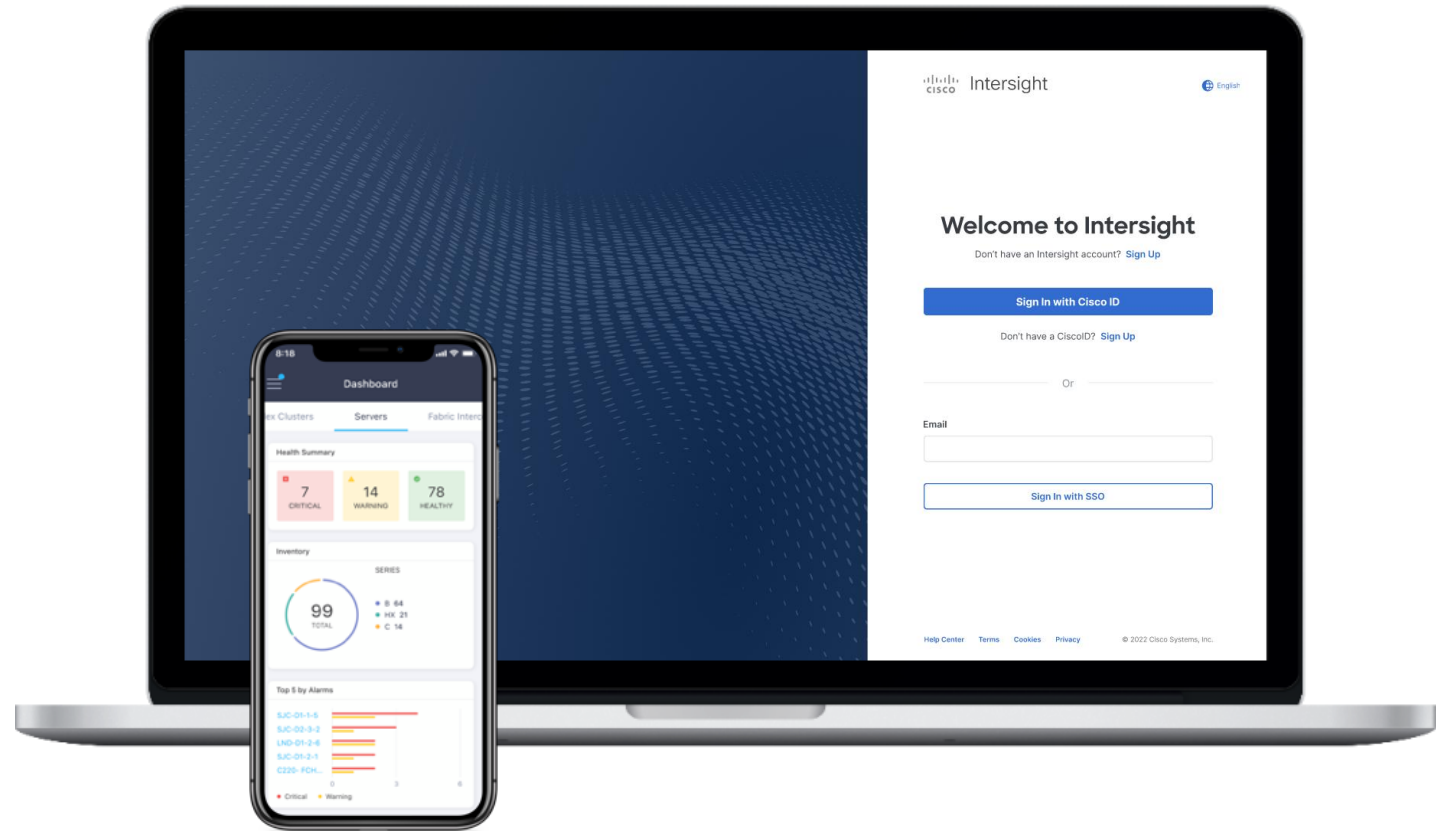


Virtual appliance

Connected
Private (air-gapped)



CISCO INTERSIGHT®



Intersight Benefits

CISCO
INTERSIGHT®

Strengthen compliance

Increase uptime

Bolster security

Improve productivity

Accelerate operations

Control energy use



IT operations. Simplified.

Ecosystem and Integrations

Ecosystem integration

Storage plugins



- See storage capacity, controllers, configuration, snapshots, and replication



- Automate storage management and orchestration



- Use storage task library to create and execute workflows

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- See virtual machine inventory and supporting infrastructure across on-premises/edge environments



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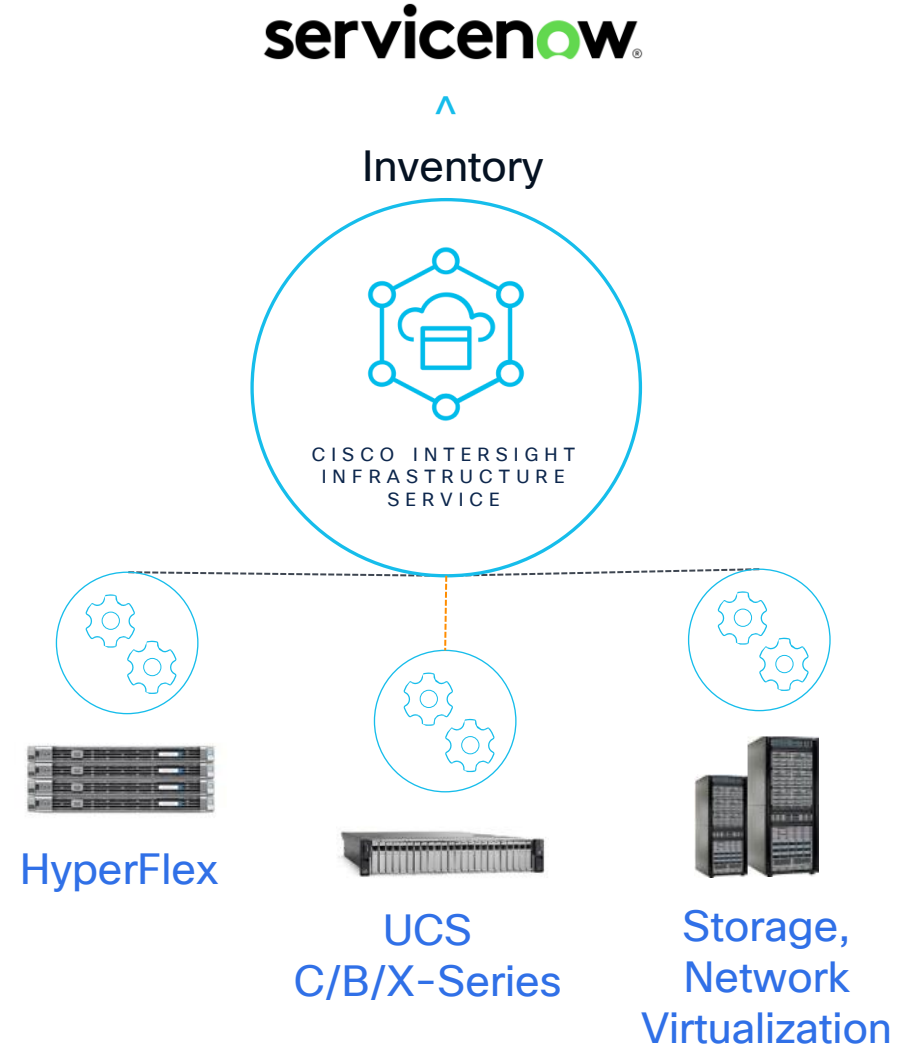
Service Graph Connector for Cisco Intersight

ServiceNow

- Cloud-based platform for IT management workflows

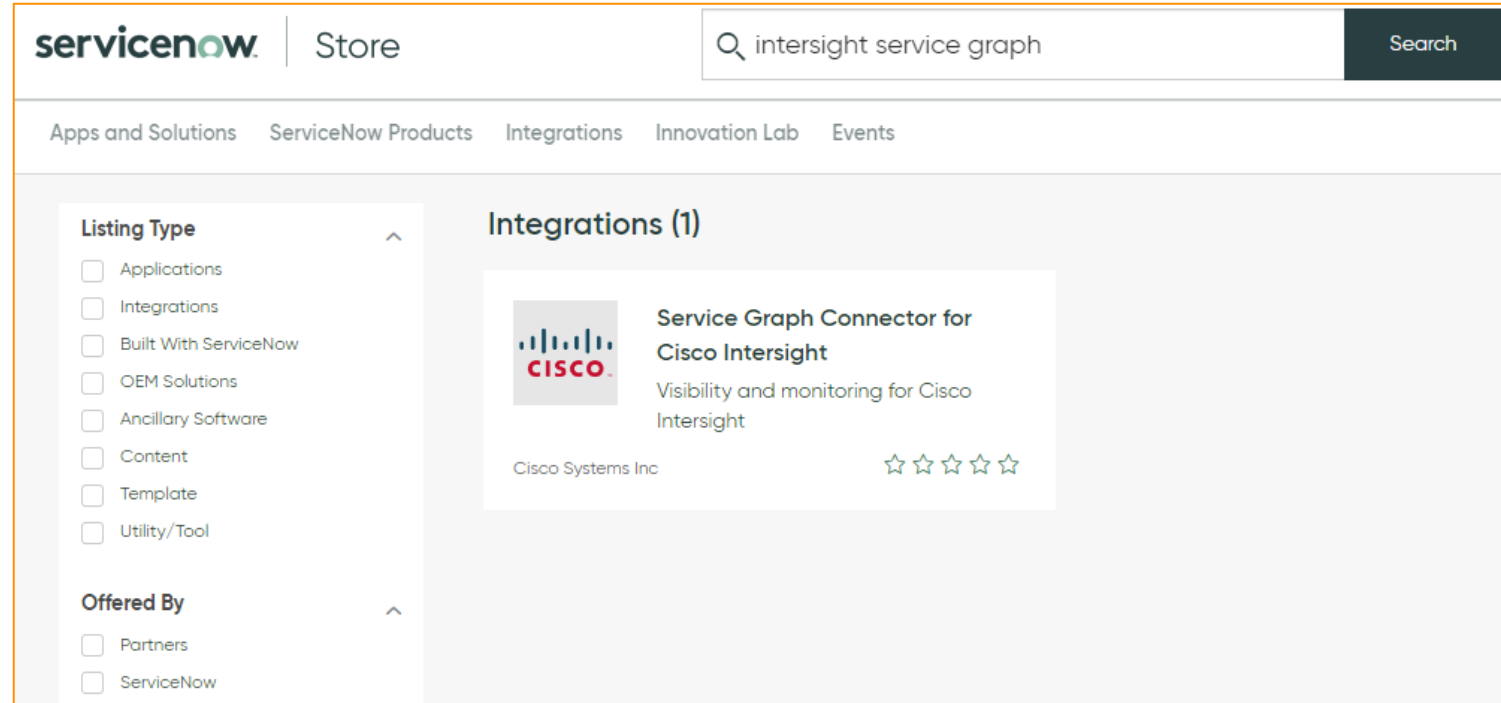
Service Graph Connectors

- Import third-party data into ServiceNow CMDB
- Ensures data quality, timeliness, and consistency
- Works out-of-the-box and complies with ServiceNow Common Service Data Model
- Synchronize inventory data between Cisco Intersight and ServiceNow



Service Graph Connector: Features

- Populate CMDB using Service graph
- Assets, Event, Change Management
- Supports for all Intersight claimed devices including 3rd party Servers, Storage, Nexus, MDS Switches
- Intersight License Tier: Advantage



Certified and listed on ServiceNow store

Service Graph Connector: Key benefits



Enhanced Visibility

Automatic view of Data Center Infrastructure inventory and relationships.

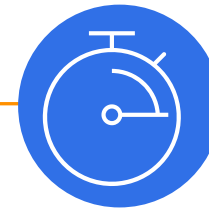
Insight into servers, storage, network devices, and virtual machines.



Actionable Insights

Understanding dependencies between workloads and infrastructure.

Quick response and effective incident management.



Faster Time to Resolution

Proactive prediction and prevention of service outages.

Faster incident resolution and improved service availability.

Service Graph Connector Overview

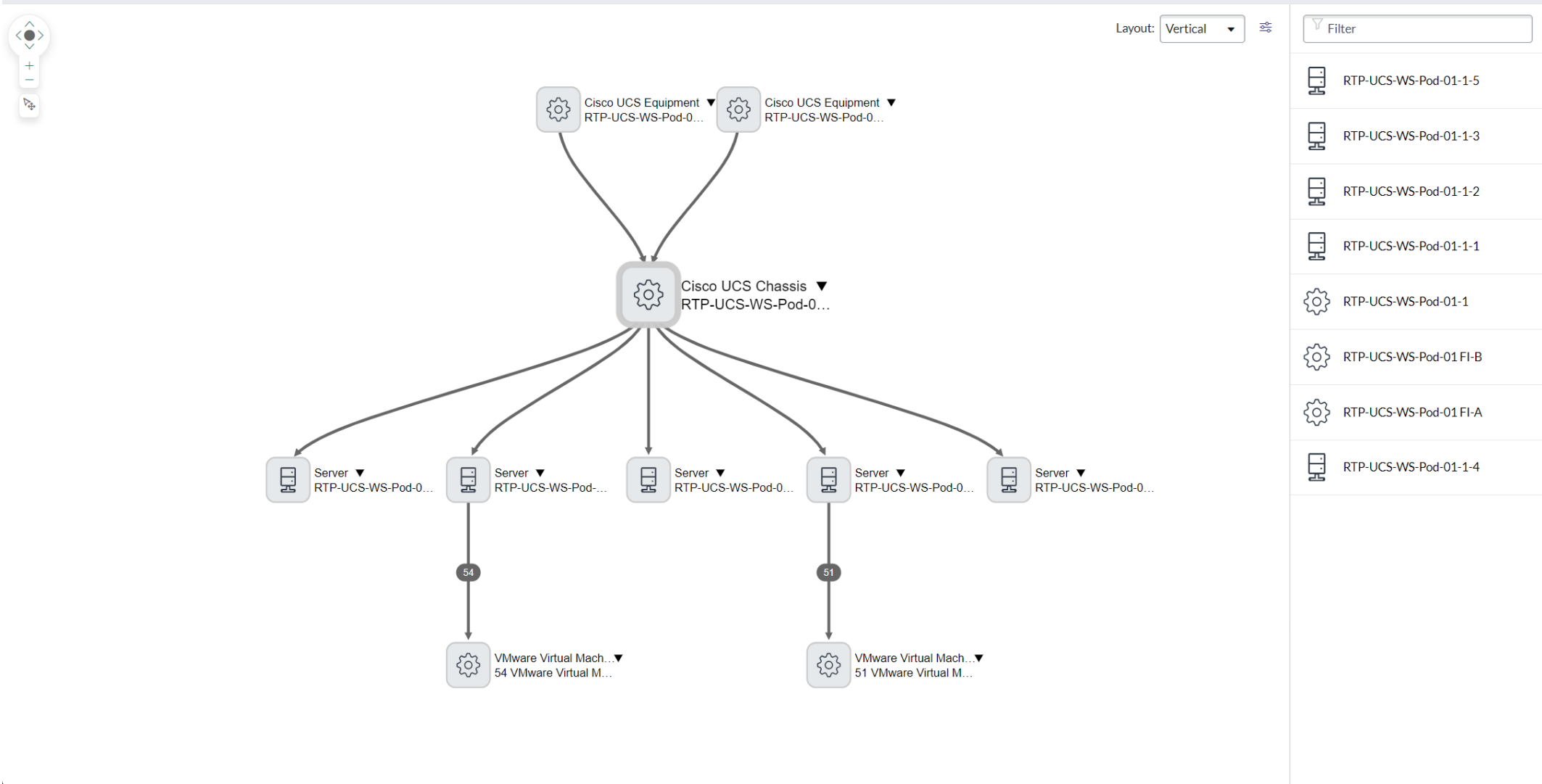
Uses the Intersight API

- API access can be Read-Only
- Additional RBAC within ServiceNow

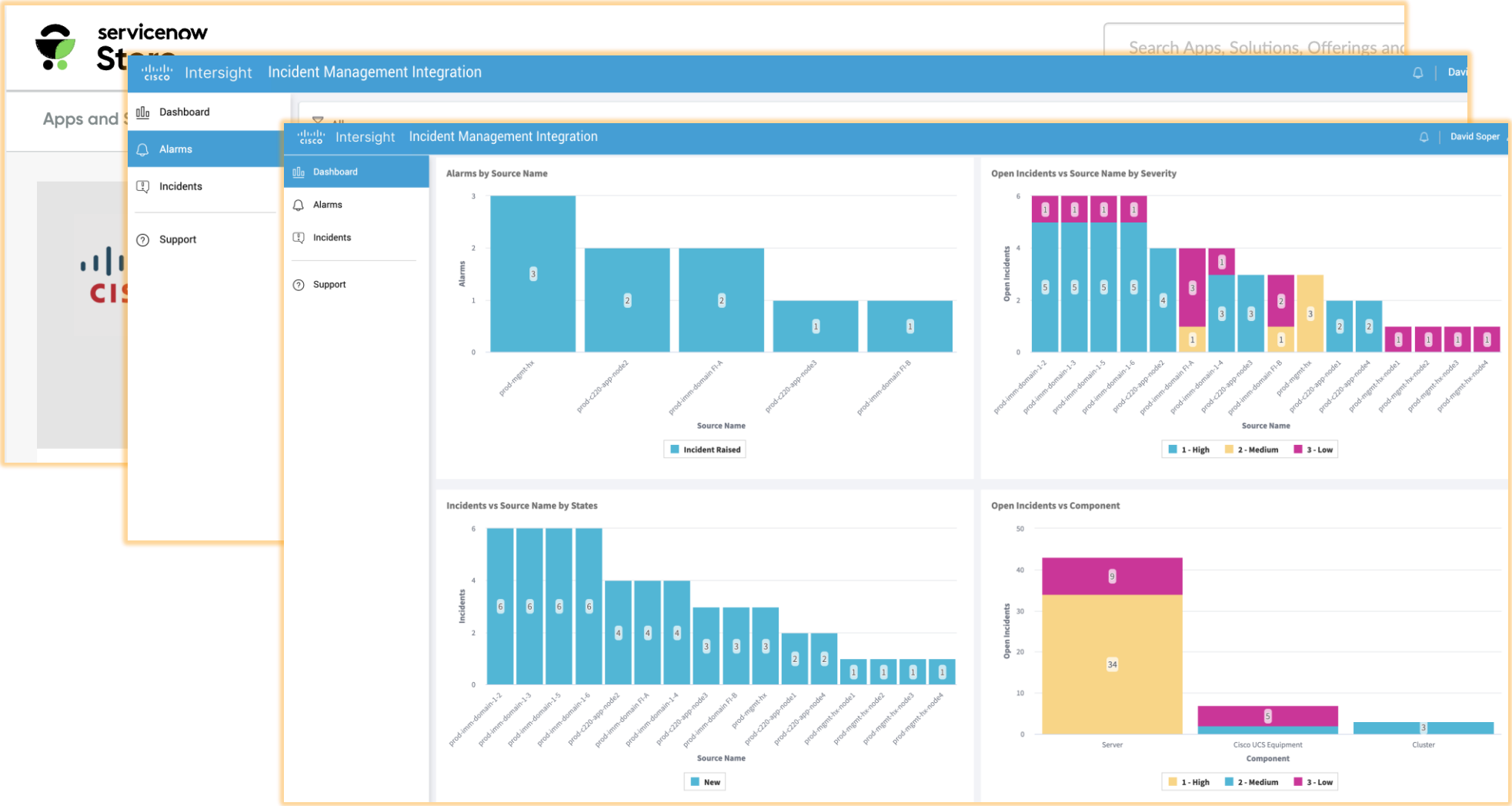
App Features

- Device Inventory and Sync
- Relationships between Configuration Items (FIs/Chassis/Servers/Virtualization)
- Reconciliation Engine (avoids duplicate CIs)

The screenshot displays the 'Cisco Intersight Integration with CMDB' guided setup page in the ServiceNow interface. The top navigation bar includes 'All', 'Favorites', 'History', 'Workspaces', and 'Admin', along with a 'Guided Setup' button and a search bar. A left sidebar shows a progress indicator with three steps: 'Home' (0% Complete), 'Configure the connection' (0%), and 'Configure the Scheduled Import' (Status: Locked). The main content area is divided into two sections. The first section, 'Configure the connection', shows a 0% progress circle and a 'Get Started' button. It instructs users to configure authentication credentials and HTTP connection details, listing required fields: API Key ID, Secret Key, and Connection details. It also notes that 0 out of 4 tasks are completed: Enter API Key ID, Enter Secret Key, Configure Intersight Connection, and Test Connection. The second section, 'Configure the Scheduled Import', shows a locked status with a 'Preview' button. It states that the 'SG-Cisco Intersight Data' scheduled import is disabled by default and can be unlocked by completing the 'Configure the connection' step. It indicates that 0 out of 1 tasks are completed: Configure the Scheduled Import Job.



Intersight Incident Management Integration



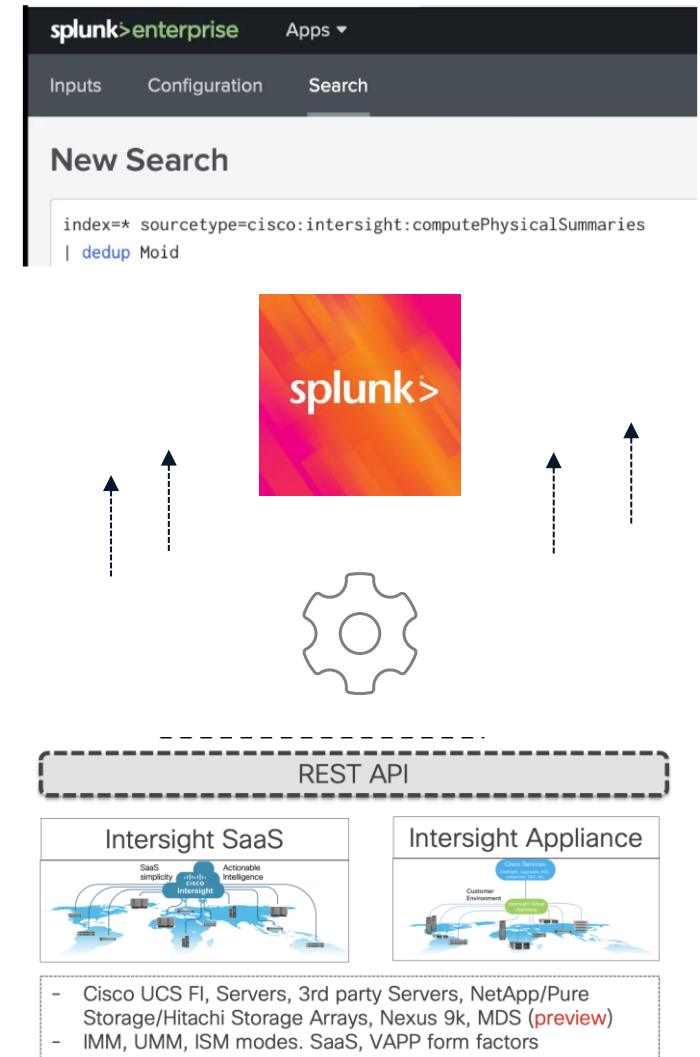
Splunk Addon for Cisco Intersight

- Monitor your Cisco UCS infrastructure from Splunk
- Quickly diagnose and act on potential issues
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The screenshot shows the Splunkbase interface for the 'Cisco Intersight Add-on for Splunk'. The page layout includes a top navigation bar with 'splunkbase', 'Collections', 'Apps', a search bar, and buttons for 'Submit an App' and 'Log In'. Below the navigation, the breadcrumb trail reads 'Main Page / Apps / Cisco Intersight Add-on for Splunk'. The main content area features the app's icon, title, and a brief description: 'Cisco Intersight Add-on for Splunk is a Cisco supported extension to Splunk platform designed to integrate Cisco Intersight's powerful infrastructure management capabilities with Splunk's robust data analysis platform. This add-on enables IT administrators and engineers to...'. It also mentions 'Built by Cisco Systems, Inc.' and provides a 'Login to Download' button. A row of four cards displays key information: 'Latest Version 2.0.1' (dated April 16, 2025, with a 'Release notes' link), 'Compatibility' (listing Splunk Enterprise, Splunk Cloud, Platform Version: 9.4, 9.3, 9.2, 9.1, and CIM Version: 6.X, 5.X), 'Rating' (0 stars, 0 reviews, with a 'Log in to rate this app' prompt), and 'Support' (Cisco Supported Addon, with a 'Learn more' link). A horizontal menu below these cards includes 'Summary', 'Details', 'Installation', 'Troubleshooting', 'Contact', and 'Version History'. The 'Summary' tab is active, showing a detailed description of the add-on's purpose and capabilities. A note at the bottom states: 'NOTE: This version is not compatible with the older version of this add-on (https://splunkbase.splunk.com/app/6482)'. On the right side, a sidebar contains links for 'Categories' (IT Operations), 'Created By' (Cisco Systems, Inc.), 'Type' (addon), 'Downloads' (71), 'Licensing' (Cisco End User License), 'Splunk Answers' (Ask a question about this app listing), and 'Resources' (Login to report this app listing).

Splunk Addon for Cisco Intersight

- **Enhanced Infrastructure Visibility:** Combine Cisco Intersight's real-time infrastructure monitoring with Splunk Enterprise's log analytics and AI-driven insights.
- **Proactive Issue Detection:** Leverage Splunk's analytics capabilities to identify potential issues in Cisco Intersight-managed UCS infrastructure, enabling proactive remediation.
- **Optimized IT Operations:** Unify data from Compute and other platforms to gain a comprehensive understanding of IT operations, driving informed decision-making and improved mean time to resolution (MTTR).
- **Security and Compliance:** Strengthen security posture by integrating Cisco Intersight's infrastructure insights with Splunk Enterprise's advanced threat detection and compliance monitoring.

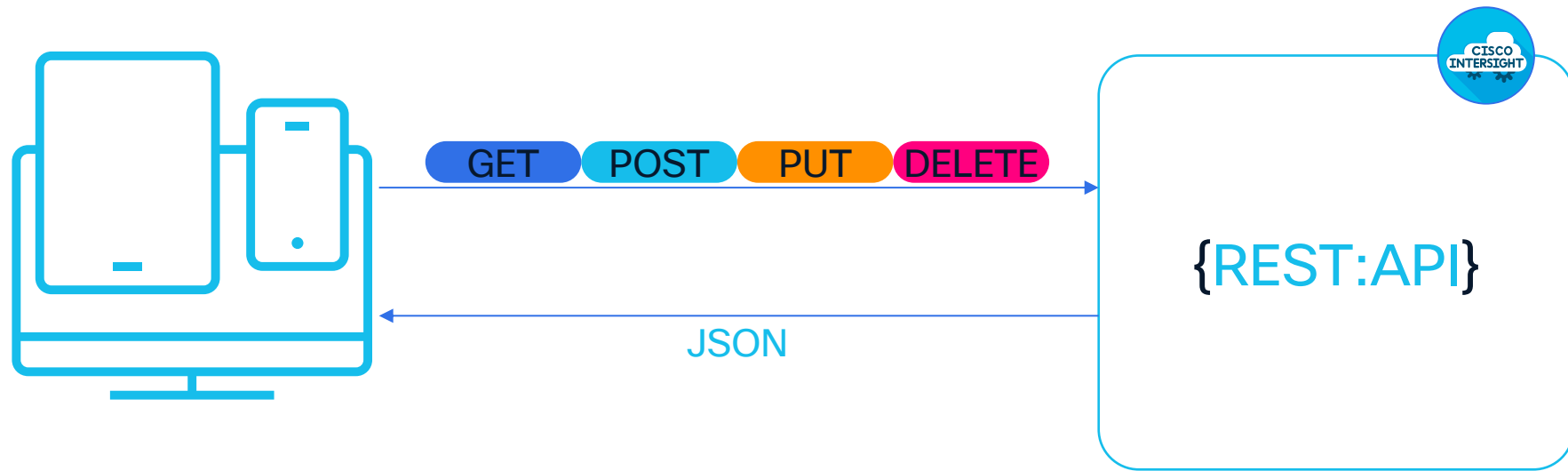


APIs and Automation

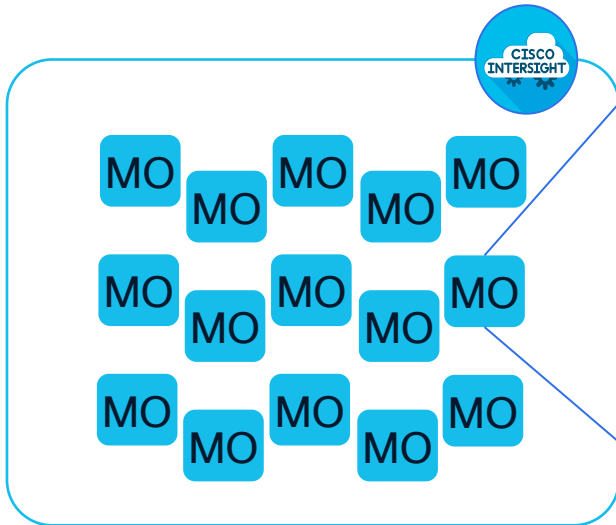
The API is behind everything



Intersight API - REST



Intersight API – Managed Objects

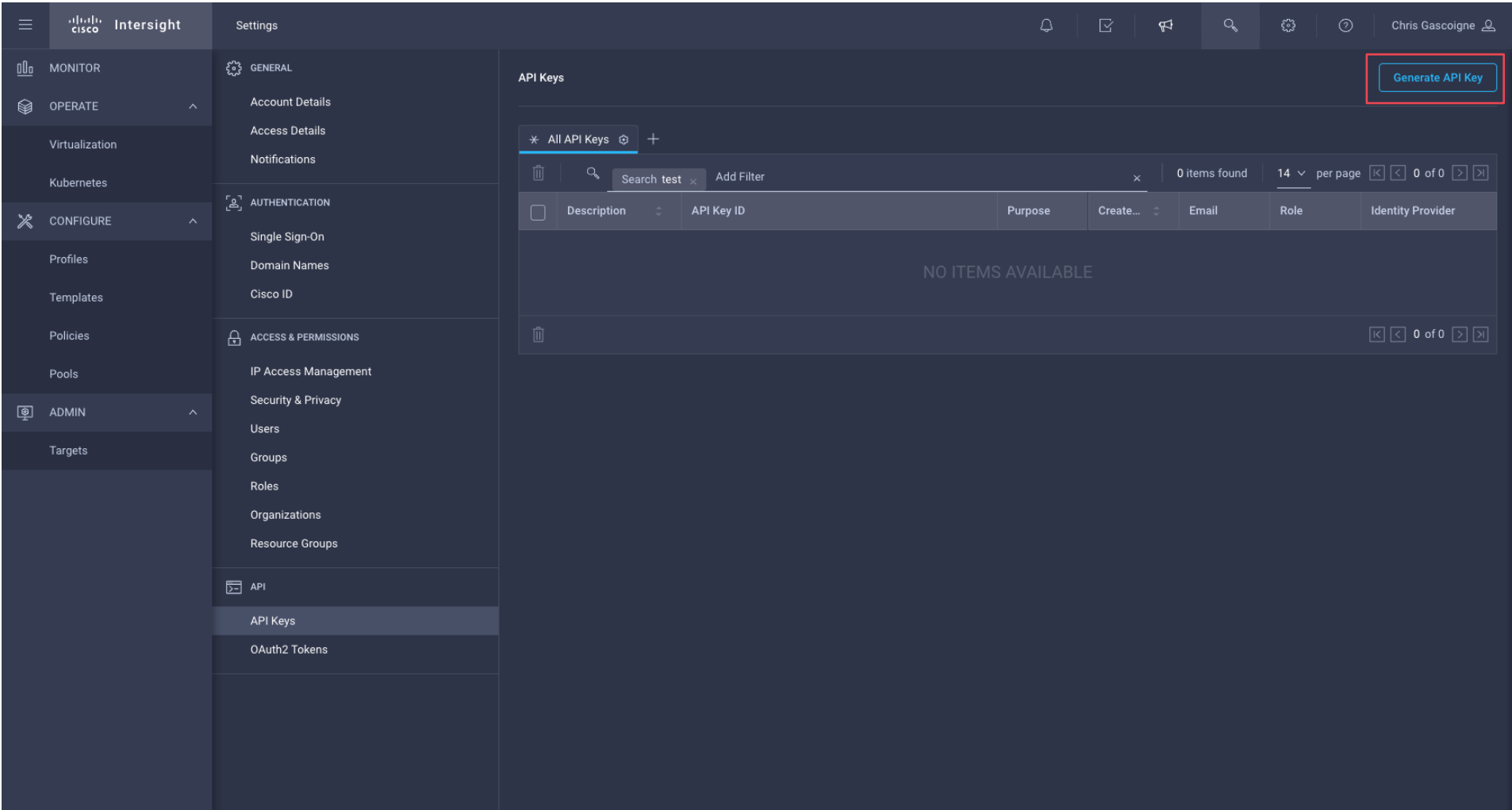


```
ClassId: ntp.Policy
Moid: 61e9f9696275722d31e74cfd
ObjectType: ntp.Policy
Organization:
  ClassId: mo.MoRef
  Moid: 5deed7fc6972652d33bc48d0
  ObjectType: organization.Organization
  link: https://...2652d33bc48d0

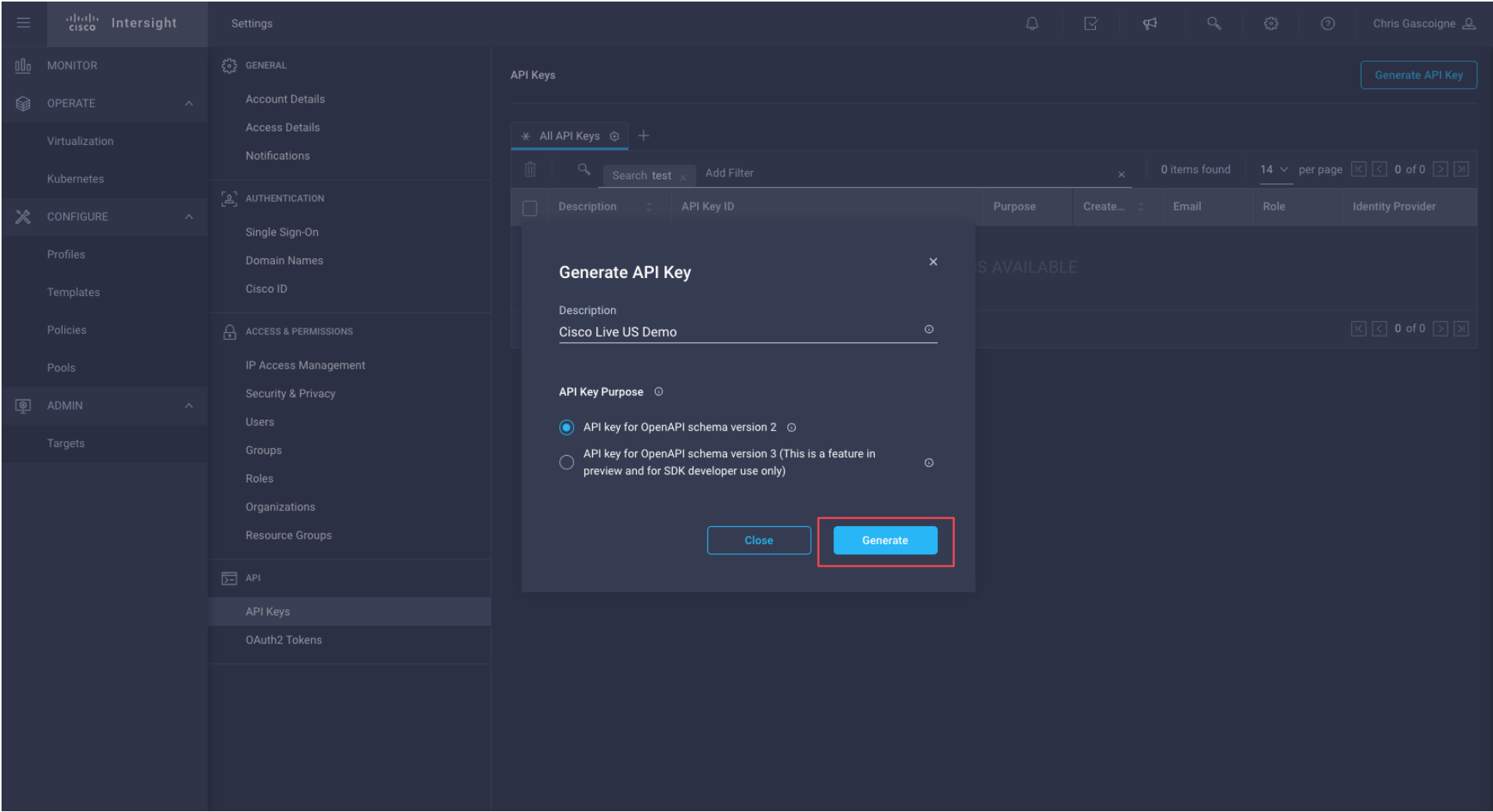
Name: NTPTest
Description: Example NTP Policy
Enabled: true
NtpServers:
- ntp.esl.cisco.com
Timezone: Australia/Sydney
...
```

(Simplified Example)

Intersight API – Authentication



Intersight API – Authentication



Intersight API – Authentication

The screenshot shows the Cisco Intersight user interface. On the left is a navigation sidebar with categories: MONITOR, OPERATE (containing Virtualization and Kubernetes), CONFIGURE (containing Profiles, Templates, Policies, and Pools), and ADMIN (containing Targets). The main area is titled 'Settings' and contains sub-sections: GENERAL (Account Details, Access Details, Notifications), AUTHENTICATION (Single Sign-On, Domain Names, Cisco ID), ACCESS & PERMISSIONS (IP Access Management, Security & Privacy, Users, Groups, Roles, Organizations, Resource Groups), and API (API Keys, OAuth2 Tokens). The 'API Keys' section is active, displaying a 'Generate API Key' dialog box. The dialog includes a warning: 'This is the only one time that the secret key can be viewed or downloaded. You cannot recover them later. However, you can create new access keys at any time.' It displays the 'API Key ID' (61970b917564612d333d4d41/61970b917564612d333d4d46/626f14f57564612d335c3b49) and the 'Secret Key' (a long alphanumeric string starting with '-----BEGIN RSA PRIVATE KEY-----'). Two red callout boxes with arrows point to these fields: one to the API Key ID stating 'Will be used to tell Intersight API which API key you are using', and another to the Secret Key stating 'Secret (Private) Key used to sign API requests'. A 'Close' button is at the bottom of the dialog.

Generate API Key

This is the only one time that the secret key can be viewed or downloaded. You cannot recover them later. However, you can create new access keys at any time.

API Key ID
61970b917564612d333d4d41/61970b917564612d333d4d46/626f14f57564612d335c3b49

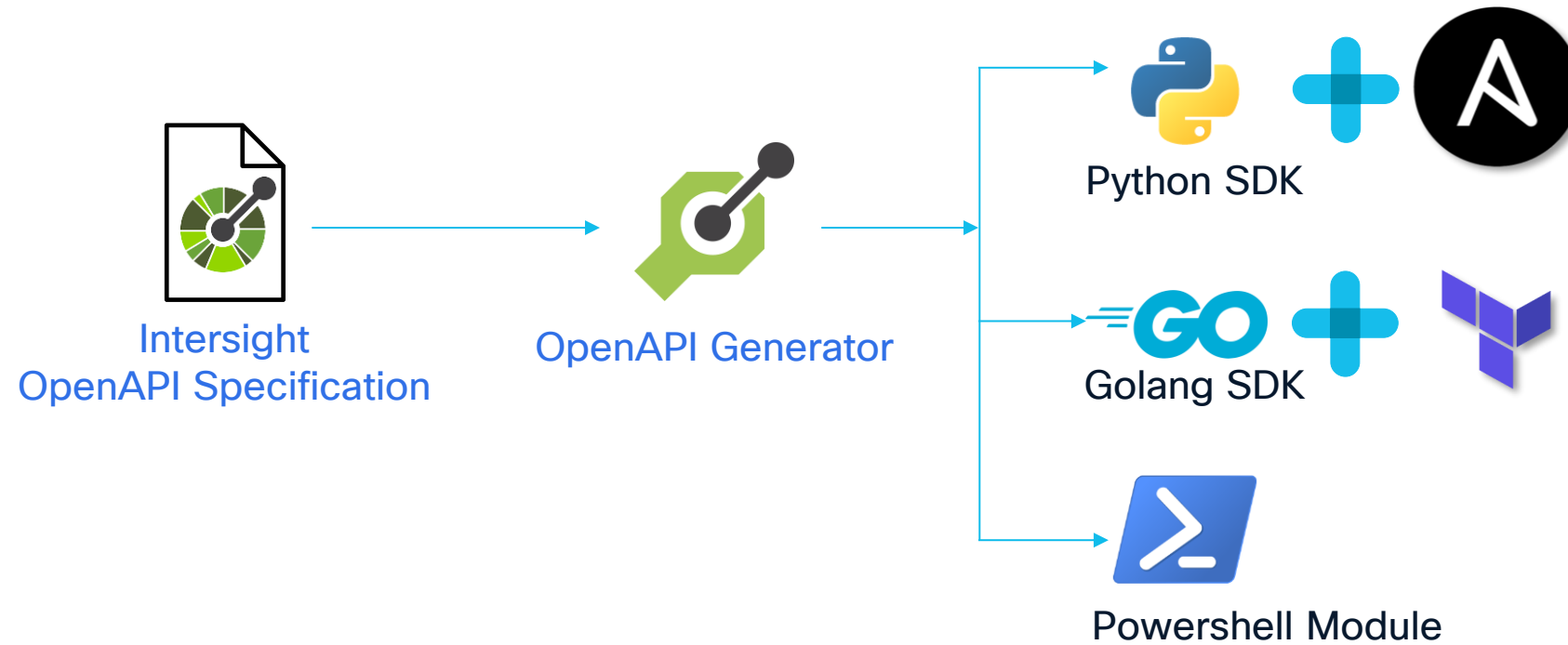
Secret Key
-----BEGIN RSA PRIVATE KEY-----
MIIeOwIBAAKCAQEAwrf2ko3D8fC4ENPw2iZy1gzanaNEPfp
qtwZChBIZJqFxuJtK
RgX7S/IM0BaqiEytTeCOsoc1TZ9wfxZlZuxyH9a6+h6g7wc
QPR7AUIGY0hnT130t
JkNDCZvKRTc5uayNiKU2SbxzcpvFaPzx2dfhoEuTAiZd4nCS
wF6l69Kp1u0zPzxn

Close

Will be used to tell Intersight API which API key you are using

Secret (Private) Key used to sign API requests

Intersight API – OpenAPI Specification



<https://intersight.com/apidocs/downloads/>

Intersight API Documentation Browser

Intersight Developer Center

API Reference v1.0.9-6484

ntp

capability/EquipmentPhysicalDefs

cloud/TfcAgentpools

iam/EndPointPrivileges

niatelemetry/ApicNtpAuths

ntp/Policies

POST Create a 'ntp.Policy' resource.

GET Read a 'ntp.Policy' resource.

GET Read a 'ntp.Policy' resource.

POST Update a 'ntp.Policy' resource.

PATCH Update a 'ntp.Policy' resource.

DELETE Delete a 'ntp.Policy' resource.

storage/NetAppNtpServers

GET Read a 'ntp.Policy' resource.

Parameters

Response Model

\$filter { string } query
Filter criteria for the resources to return. A URI with a \$filter query option identifies a subset of the entries from the Collection of Entries. The subset is determined by selecting only the Entries that satisfy the predicate expression specified by the \$filter option. The expression language that is used in \$filter queries supports references to properties and literals. The literal values can be strings enclosed in single quotes, numbers and boolean values (true or false).

\$orderby { string } query
Determines what properties are used to sort the collection of resources.

\$top { integer } query
Specifies the maximum number of resources to return in the response.

\$skip { integer } query
Specifies the number of resources to skip in the response.

\$select { string } query
Specifies a subset of properties to return.

\$expand { string } query
Specify additional attributes or related resources to return in addition to the primary resources.

REST Client

GET /api/v1/ntp/Policies

+ Query Parameter

Send 200 Success

Response Text

Response Info

```
1 2
2  "ObjectType": "ntp.Policy.List",
3  "Results": [
4    {
5      "AccountMoid": "61970b917564612d33",
6      "Ancestors": [],
7      "AuthenticatedNtpServers": [],
8      "ClassId": "ntp.Policy",
9      "CreateTime": "2022-05-01T23:42:11",
10     "Description": "Example NTP Policy",
11     "DomainGroupMoid": "61970b91756461",
12     "Enabled": true,
13     "ModTime": "2022-05-01T23:42:11.95",
14     "Moid": "626f1ad36275722d30486f94",
15     "Name": "NTPTest",
16     "NtpServers": [
17       "ntp.esl.cisco.com"
18     ],
19     "ObjectType": "ntp.Policy",
20     "Organization": {
21       "ClassId": "mo.MoRef",
22       "Moid": "61970b946972652d3380135",
23       "ObjectType": "organization.Orga",
24       "link": "https://www.intersight.",
25     },
26     "Owners": [
27       "61970b917564612d333d4d41"
28     ],
```



Postman

Download Postman

Download the app to quickly get started using the Postman API Platform. Or, if you prefer a browser experience, you can try the new web version of Postman.

The Postman app

The ever-improving Postman app (a new release every week) gives you a full-featured Postman experience.

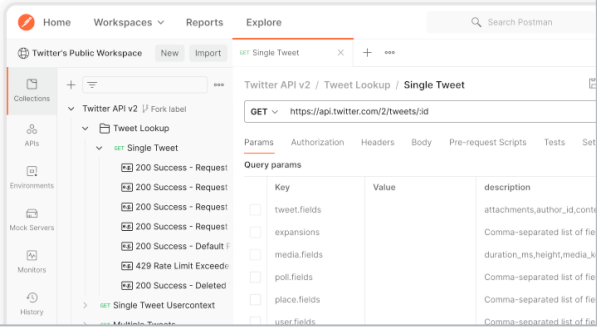
Mac Intel Chip

Mac Apple Chip

By downloading and using Postman, I agree to the [Privacy Policy](#) and [Terms](#).

Version undefined · [Release Notes](#) · [Product Roadmap](#)

Not your OS? Download for Windows (x64) or Linux (x64)



<https://www.postman.com>

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CiscoDevNet / intersight-postman

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master 1 branch 0 tags

[Go to file](#) [Add file](#) [Code](#)

rtortori added ICO support (#4)

9649383 19 days ago 13 commits

.github/workflows

Update commit validation

last month

Intersight-Examples.postman_colle...

added ICO support (#4)

19 days ago

Intersight.postman_environment.json

Adding PR testing (#2)

last month

LICENSE

Initial commit

15 months ago

README.md

v3 key support docs

9 months ago

README.md

intersight-postman

This repository helps Intersight operators learn how to use Postman for interacting with the Intersight API. The `Intersight-Examples.postman_collection.json` contains a Postman collection which includes the following:

- Pre-request script at the collection level to handle authentication (v2 and v3 keys are supported)
- Example Requests organized by folders for different use cases

Authentication

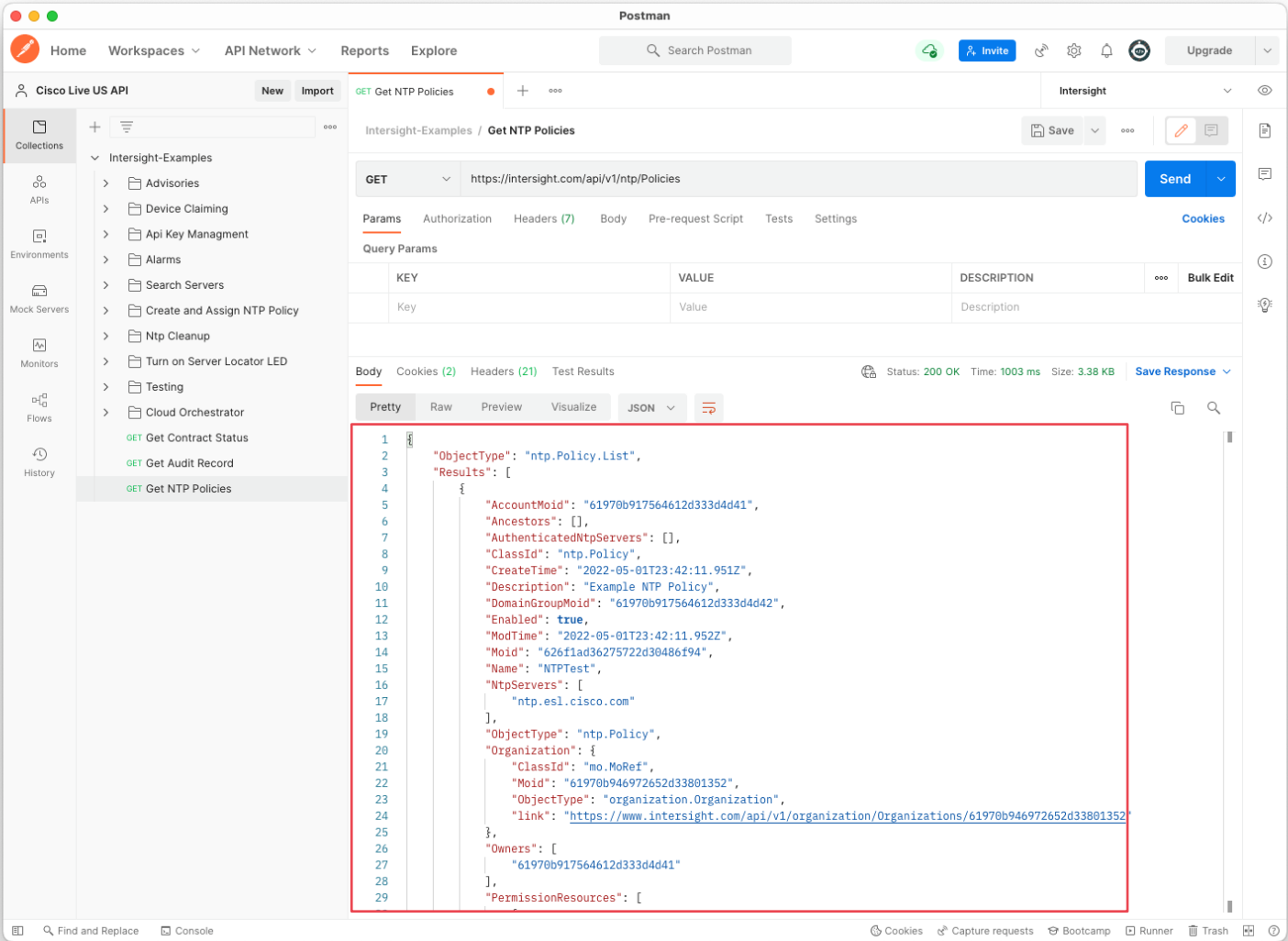
Authentication requires a Postman Environment configured and selected with the following two keys:

<https://github.com/CiscoDevNet/intersight-postman>

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BRKCOM-2116

Postman



isctl is a *kubectl*-inspired CLI for Intersight

Generated automatically from the Intersight
OpenAPI v3 spec

Written in Go and distributed as MacOS, Linux
and Windows binaries (no dependencies)

Human, JSON or YAML output

JSONPath and custom-column support for data
extraction and transformation

Getting Started – Installation

Windows

Using the [scoop.sh](https://github.com/scoopInstaller/scoop) package manager:

```
scoop install https://github.com/cgascoig/isctl/raw/devel/isctl.json
```

MacOS

Using the [Homebrew](https://brew.sh/) package manager:

```
brew install cgascoig/isctl/isctl
```

Linux / manual install: <https://github.com/cgascoig/isctl>

User Guide: <https://isctl.netlify.app/>

Getting Started – Initial Configuration

```
> isctl configure
keyID is currently ''
Enter new keyID or press Enter to keep existing:
61970b917564612d333d4d41/61970b917564612d333d4d46/626f24e57564612d335c906d
key filename is currently ''
Enter new key file name or press Enter to keep existing: ~/dev/api-keys/intersight-cgascoig-clus-demo.pem
Intersight API server is currently 'intersight.com'
Enter new Intersight API server or press Enter to keep existing:
INFO[0053] Writing config file
```

isctl – First Request

```
> isctl get ntp policy
```

Name	Moid	AuthenticatedNtpServers	Enabled	NtpServers	Timezone
NTPTest	626f1ad36275722d30486f94		True	ntp.esl.cisco.com	Australia/Sydney
NtpTest1	626f4f476275722d304c406b		True	1.1.1.1, 2.2.2.2	Pacific/Niue
NtpTest2	626f4f4f6275722d304c40df		True	1.1.1.1, 2.2.2.2	Pacific/Niue
NtpTest3	626f4f556275722d304c4148		True	1.1.1.1, 2.2.2.2	Pacific/Niue
NtpTest4	626f4f5c6275722d304c41c3		True	1.1.1.1, 2.2.2.2	Pacific/Niue
NtpTest5	626f4f636275722d304c421e		True	1.1.1.1, 2.2.2.2	Pacific/Niue



Demo

Use case examples

Find all the Trusted Platform Modules in blade and rack servers and their activation status

```
> isctl get equipment tpm --expand 'ComputeBoard($expand=ComputeRackUnit,ComputeBlade)' -o custom-
columns=TPMSerial:.Serial,BladeSerial:.ComputeBoard.ComputeBlade.Serial,RackSerial:.ComputeBoard.ComputeRackUnit.Serial,Activati
onStatus:.ActivationStatus,AdminState:.AdminState
```

TPMSerial	BladeSerial	RackSerial	ActivationStatus	AdminState
NA	<none>	FCH2035V0CP	unknown	unknown
FCH1807J9V6	FCH18097X4Z	<none>	unknown	unknown
FCH1803JEVA	FCH18097X4Z	<none>	activated	enabled
FCH2041774F	FCH2046736C	<none>	activated	enabled
FCH20337FE5	FCH210977GZ	<none>	activated	enabled

Use case – inventory

```
> isctl inventory compute -o xlsx=out.xlsx
INFO[0000] Collecting compute inventory
INFO[0000] Collecting compute.PhysicalSummary inventory
INFO[0000] Auto pagination requesting batch, skip=0, top=1000
INFO[0001] Auto pagination requesting batch, skip=1000, top=1000
INFO[0001] Auto pagination finished: no more results
INFO[0001] Collecting processor.Unit inventory
INFO[0001] Auto pagination requesting batch, skip=0, top=1000
INFO[0002] Auto pagination requesting batch, skip=1000, top=1000
INFO[0003] Auto pagination finished: no more results
INFO[0003] Collecting memory.Unit inventory
INFO[0003] Auto pagination requesting batch, skip=0, top=1000
INFO[0005] Auto pagination requesting batch, skip=1000, top=1000
INFO[0007] Auto pagination requesting batch, skip=2000, top=1000
INFO[0008] Auto pagination finished: no more results
INFO[0008] Collecting storage.Controller inventory

...

INFO[0017] Auto pagination requesting batch, skip=0, top=1000
INFO[0018] Auto pagination requesting batch, skip=1000, top=1000
INFO[0019] Auto pagination finished: no more results
INFO[0019] Collecting equipment.Transceiver inventory
INFO[0019] Auto pagination requesting batch, skip=0, top=1000
INFO[0020] Auto pagination requesting batch, skip=1000, top=1000
INFO[0021] Auto pagination finished: no more results
INFO[0021] Output written to xlsx file /tmp/out.xlsx
```

Use case – inventory

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1	Name	Moid	AccountMoid	AdminPower	AlarmSumma	Ancestors	AssetTag	AvailableMen	BiosPostCom	ChassisId	ClassId	ConnectionSt	CpuCapacity	CreateTime	DeviceMold	Dn	DomainGrou
2	se-cimc-6-c22	5cac0f70617	59c84e4a162	policy	{"ClassId": "co		Test	131072	false		compute.Phys		27.2	2019-04-09TC	5cac0f536f72	sys/rack-unit-	5b25418d7a
3	anzsp-mel03-	5f0527cd617	59c84e4a162	policy	{"ClassId": "co			524288	false		compute.Phys A,B		67.200005	2020-07-08TC	5f0527c06f72	sys/rack-unit-	5b25418d7a
4	anzsp-mel03-	5f0527cd617	59c84e4a162	policy	{"ClassId": "co			524288	false		compute.Phys A,B		67.200005	2020-07-08TC	5f0527c06f72	sys/rack-unit-	5b25418d7a
5	anzsp-mel03-	5f0527cd617	59c84e4a162	policy	{"ClassId": "co			524288	false		compute.Phys A,B		67.200005	2020-07-08TC	5f0527c06f72	sys/rack-unit-	5b25418d7a
6	C220-FCH200	5f2a581c617	59c84e4a162	policy	{"ClassId": "co		Unknown	262144	false		compute.Phys		46	2020-08-05TC	5f2a57ea6f72	sys/rack-unit-	5b25418d7a
7	C460-FCH181	5f2a82d7617	59c84e4a162	policy	{"ClassId": "co		Unknown	163840	false		compute.Phys		64	2020-08-05TC	5f2a82ce6f72	sys/rack-unit-	5b25418d7a
8	C220-FCH200	5f63eb5b617	59c84e4a162	policy	{"ClassId": "co		Unknown	262144	false		compute.Phys		46	2020-09-17T2	5f63eb356f72	sys/rack-unit-	5b25418d7a
9	C220-FCH200	5f7bed0b617	59c84e4a162	policy	{"ClassId": "co		Unknown	262144	false		compute.Phys		46	2020-10-06TC	5f7beceb6f72	sys/rack-unit-	5b25418d7a
10	ANZ-SE-DC-HX	607ff57d617	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		55.199997	2021-04-21TC	607ff5706f72	sys/rack-unit-	5b25418d7a
11	ANZ-SE-DC-HX	607ff57d617	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		55.199997	2021-04-21TC	607ff5706f72	sys/rack-unit-	5b25418d7a
12	ANZ-SE-DC-HX	6080e9e8617	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		55.199997	2021-04-22TC	607ff5706f72	sys/rack-unit-	5b25418d7a
13	C220-FCH210	60826288617	59c84e4a162	policy	{"ClassId": "co		Unknown	131072	false		compute.Phys		38.4	2021-04-23TC	608262e6f72	sys/rack-unit-	5b25418d7a
14	Hyperflex-1	60b72106767	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		52	2021-06-02TC	60b720f96f72	sys/rack-unit-	5b25418d7a
15	Hyperflex-3	60b72106767	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		52	2021-06-02TC	60b720f96f72	sys/rack-unit-	5b25418d7a
16	Hyperflex-4	60b72106767	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		52	2021-06-02TC	60b720f96f72	sys/rack-unit-	5b25418d7a
17	Hyperflex-2	60b72106767	59c84e4a162	policy	{"ClassId": "co			393216	false		compute.Phys A,B		52	2021-06-02TC	60b720f96f72	sys/rack-unit-	5b25418d7a
18	Hyperflex-1-1	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			524288	false	1	compute.Phys		72.799995	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
19	Hyperflex-1-2	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			327680	false	1	compute.Phys		52	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
20	Hyperflex-1-3	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			393216	false	1	compute.Phys		117.59999	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
21	Hyperflex-1-5	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			786432	false	1	compute.Phys		129.6	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
22	Hyperflex-1-8	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			393216	false	1	compute.Phys		38.4	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
23	Hyperflex-1-7	60b72107767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			524288	false	1	compute.Phys		56	2021-06-02TC	60b720f96f72	sys/chassis-1/	5b25418d7a
24	ANZ-SE-DC-HX	60dfb3dd617	59c84e4a162	policy	{"ClassId": "co			360448	false		compute.Phys A,B		55.199997	2021-07-03TC	607ff5706f72	sys/rack-unit-	5b25418d7a
25	C220-FCH200	611ef5be767	59c84e4a162	policy	{"ClassId": "co		IHIS	262144	false		compute.Phys		46	2021-08-20TC	611ef5ac6f72	sys/rack-unit-	5b25418d7a
26	MEL-DC4-UCS	61553b90767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			524288	false	1	compute.Phys		55.199997	2021-09-30TC	606410d06f7	sys/chassis-1/	5b25418d7a
27	MEL-DC4-UCS	61553b91767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			786432	false	1	compute.Phys		55.199997	2021-09-30TC	606410d06f7	sys/chassis-1/	5b25418d7a
28	MEL-DC4-UCS	61553b91767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			524288	false	1	compute.Phys		55.199997	2021-09-30TC	606410d06f7	sys/chassis-1/	5b25418d7a
29	MEL-DC4-UCS	61553b91767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			262144	false	1	compute.Phys		46	2021-09-30TC	606410d06f7	sys/chassis-1/	5b25418d7a
30	MEL-DC4-UCS	61553b91767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			589824	false	1	compute.Phys		55.199997	2021-09-30TC	606410d06f7	sys/chassis-1/	5b25418d7a
31	MEL-DC4-UCS	6156c338767	59c84e4a162	policy	{"ClassId": "co			262144	false		compute.Phys A,B		44	2021-10-01TC	606410d06f7	sys/rack-unit-	5b25418d7a
32	MEL-DC4-UCS	6156c367767	59c84e4a162	policy	{"ClassId": "co			262144	false		compute.Phys A,B		44	2021-10-01TC	606410d06f7	sys/rack-unit-	5b25418d7a
33	MEL-DC4-UCS	61efa81c767	59c84e4a162	policy	{"ClassId": "co			262144	false		compute.Phys A,B		44	2022-01-25TC	606410d06f7	sys/rack-unit-	5b25418d7a
34	Hyperflex-1-6	62fc4221767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			360448	false	1	compute.Phys		83.2	2022-08-17TC	60b720f96f72	sys/chassis-1/	5b25418d7a
35	Hyperflex-1-4	62fc425d767	59c84e4a162	policy	{"ClassId": "co {"ClassId": "me			655360	false	1	compute.Phys		28.8	2022-08-17TC	60b720f96f72	sys/chassis-1/	5b25418d7a
36	C220-WZP21	63eedabb767	59c84e4a162	policy	{"ClassId": "co		Location: NSD	393216	false		compute.Phys		55.199997	2023-02-17TC	63eeda786f72	sys/rack-unit-	5b25418d7a
	compute.PhysicalSummary	equipment.Chassis	equipment.Fex	equipment.LoCard	equipment.Psu	equipment.Transceiver	graphics.Card	memory.Unit	network.Element	pci.Device	pci.Node	processor.Unit	storage.	+			



Intersight Autodoc

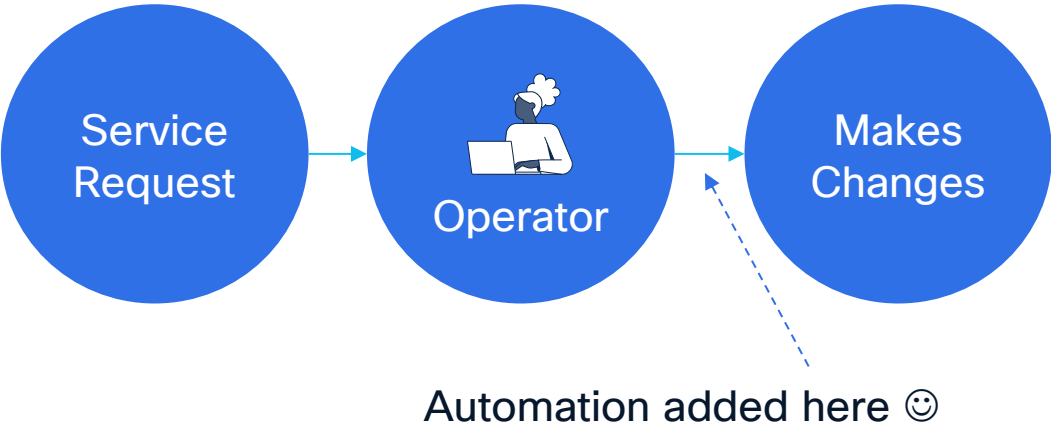
Fabric Interconnects

Name	Model	Fabric	Serial	Eth Switch Mode	FC Switch Mode	IP
MEL-IMM-A	UCS-FI-6454	A	FDO26280UDY	end-host	end-host	10.67.29.18
MEL-IMM-B	UCS-FI-6454	B	FDO262809JQ	end-host	end-host	10.67.29.19
IMM-CPOC-A	None	None	None	None	None	None
IMM-CPOC-B	None	None	None	None	None	None
UCSX-CBR-A	None	None	None	None	None	None
UCSX-CBR-B	None	None	None	None	None	None
nsd5-imm-A	UCS-FI-6454	A	FDO262809E8	end-host	end-host	10.66.125.180
nsd5-imm-B	UCS-FI-6454	B	FDO2628098S	end-host	end-host	10.66.125.181
MYCISG-A	None	None	None	None	None	None
MYCISG-B	None	None	None	None	None	None
nds5-dc-lab-A	None	None	None	None	None	None
nds5-dc-lab-B	None	None	None	None	None	None
MC_PROD_UCS1_DERIVED-1-MC_PROD_UCS1-B	None	None	None	None	None	None
MC_PROD_UCS1_DERIVED-1-MC_PROD_UCS1-A	None	None	None	None	None	None
Abhi_Vocus_Demo-A	None	None	None	None	None	None
Abhi_Vocus_Demo-B	None	None	None	None	None	None
abhi_quantium_demo-A	None	None	None	None	None	None
abhi_quantium_demo-B	None	None	None	None	None	None
test-A	None	None	None	None	None	None
test-B	None	None	None	None	None	None
CTS-IMM-CHN-MEPZ-MEL-IMM-A	None	None	None	None	None	None
CTS-IMM-CHN-MEPZ-MEL-IMM-B	None	None	None	None	None	None
CTS-FI-IMM-Policy-A	None	None	None	None	None	None
CTS-FI-IMM-Policy-B	None	None	None	None	None	None
abhi_test_telstra-A	None	None	None	None	None	None
abhi_test_telstra-B	None	None	None	None	None	None

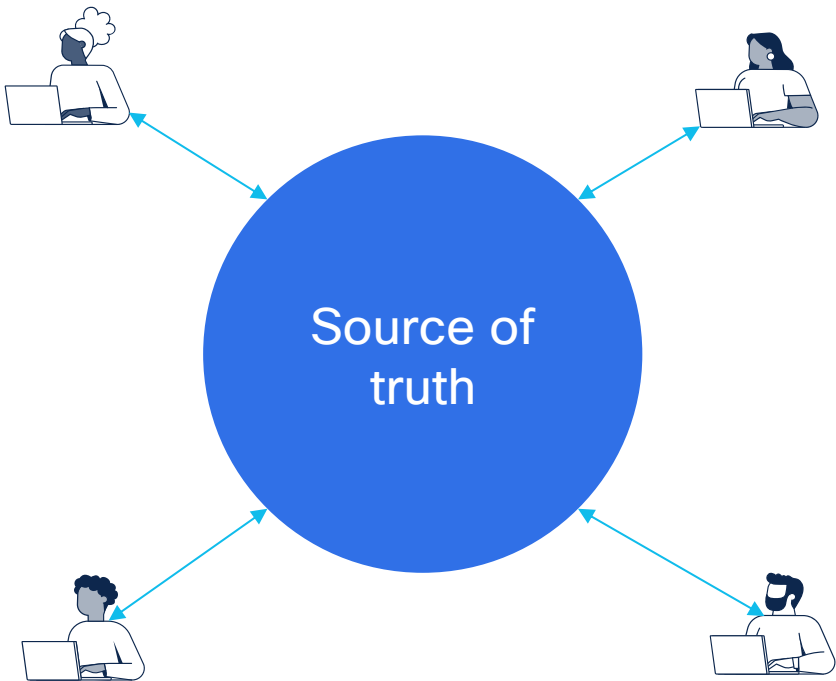
<https://github.com/poweroftim/intersight-autodoc>

Infrastructure as Code and Automation

Think About the Operating Model



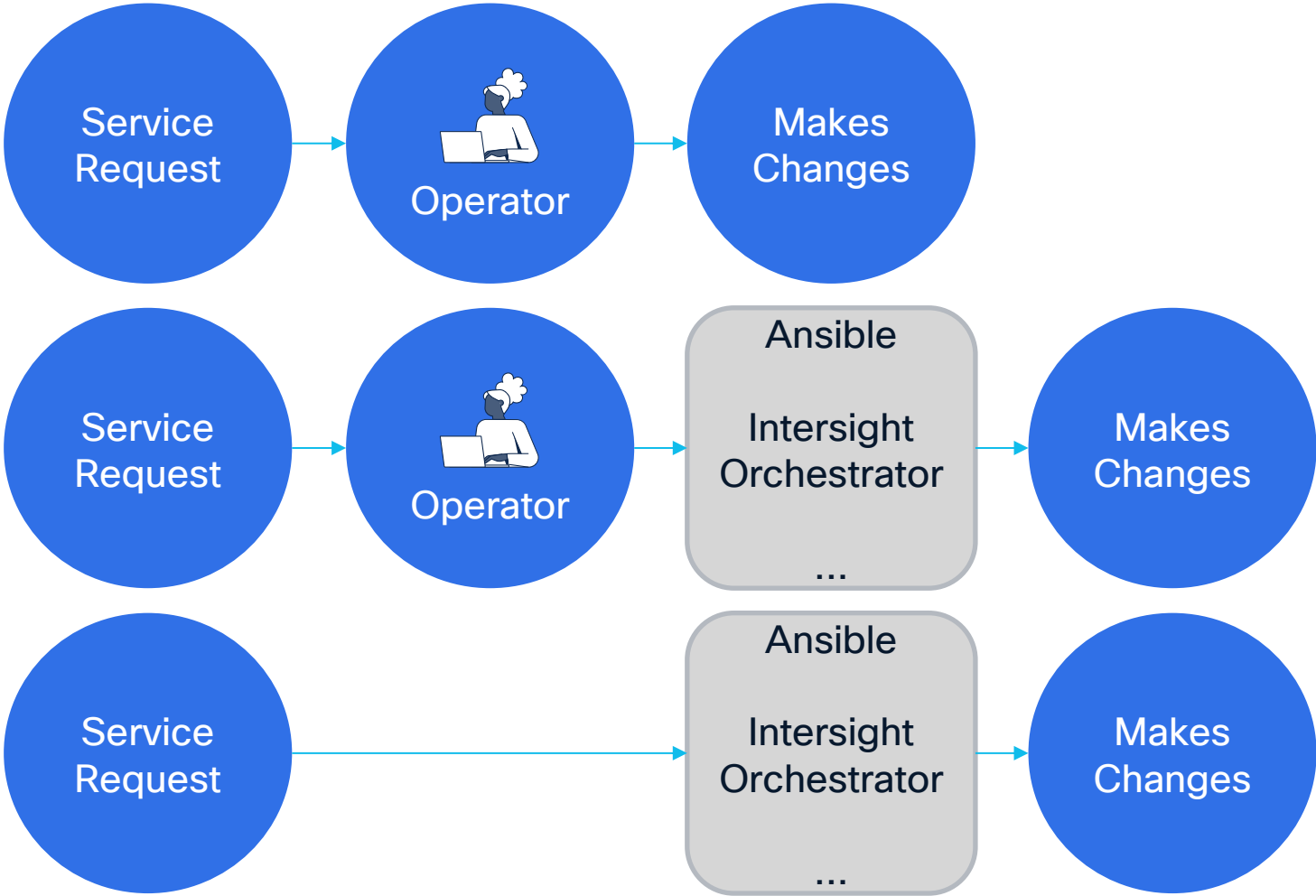
Service Request Model



GitOps Model

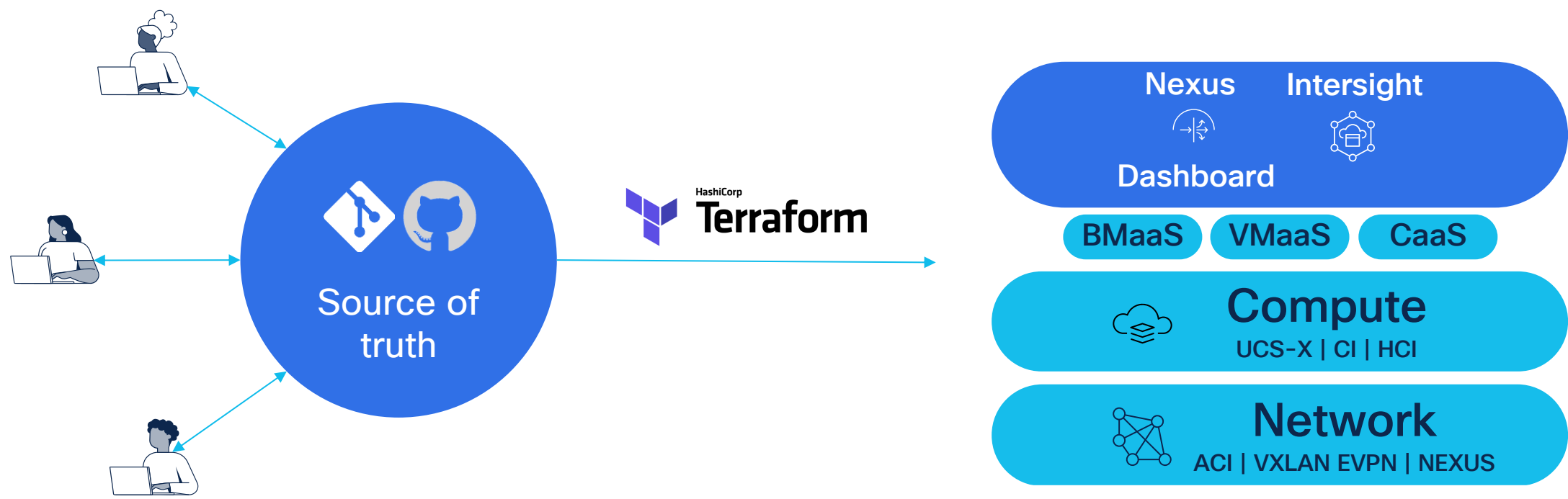
Think About the Operating Model

Service Request Model

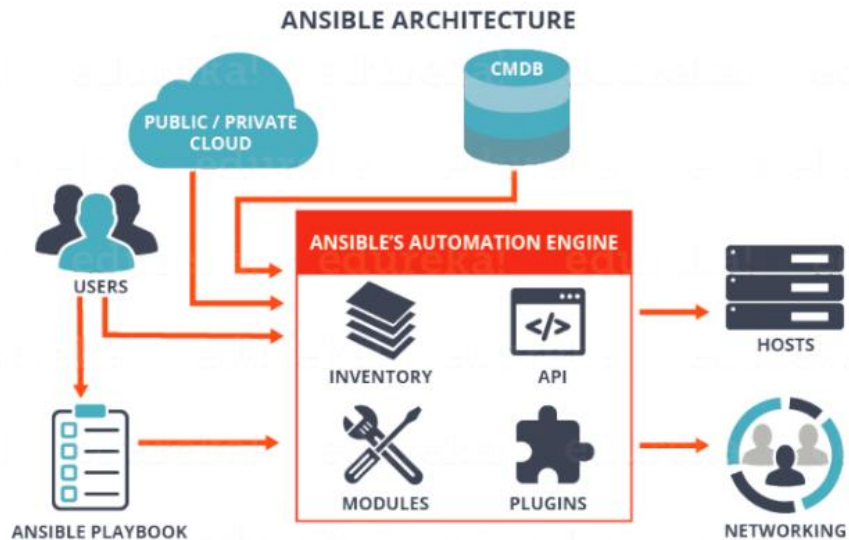


Think About the Operating Model

GitOps Model

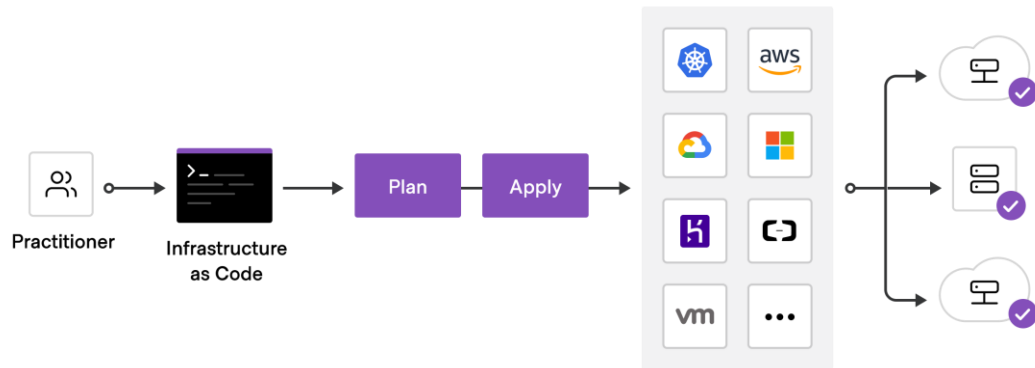


What is Ansible?



- Open-source Configuration Management Tool
- Commercial offerings from RedHat
- Declarative (when possible) and idempotent
- Can manage a wide range of systems: VMs, network devices, cloud instances, etc.
- Agentless
- Python server-side dependencies
- **Stateless – Need “undo” run book**

What is Terraform?



- Open-source Infrastructure Provisioning Tool
- Commercial offerings from HashiCorp
- Declarative and idempotent
- Immutable infrastructure concept
- Can manage a wide range of systems:
VMs, network devices, cloud instances, etc.
- Agentless, single binary file
- Zero server-side dependencies
- **Stateful – can reverse/destroy changes**

Cisco Intersight: Automate

Create automated workflows to...

- Accelerate delivery of apps and infrastructure
- Reduce risk with standardization
- Simplify cross-domain orchestration

Automate anything, anywhere

Orchestrate infrastructure and workloads, across on-prem and public clouds

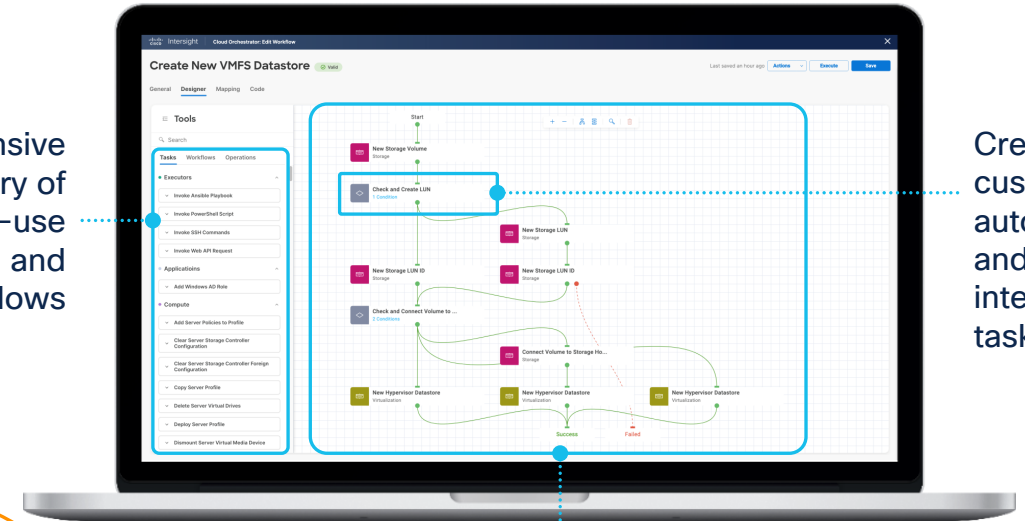
Easy-to-use, low-code orchestration

Create and execute complex workflows with a GUI-based designer

Boost IT operations

Benefit from a library of curated tasks and workflows

Extensive library of ready-to-use tasks and workflows

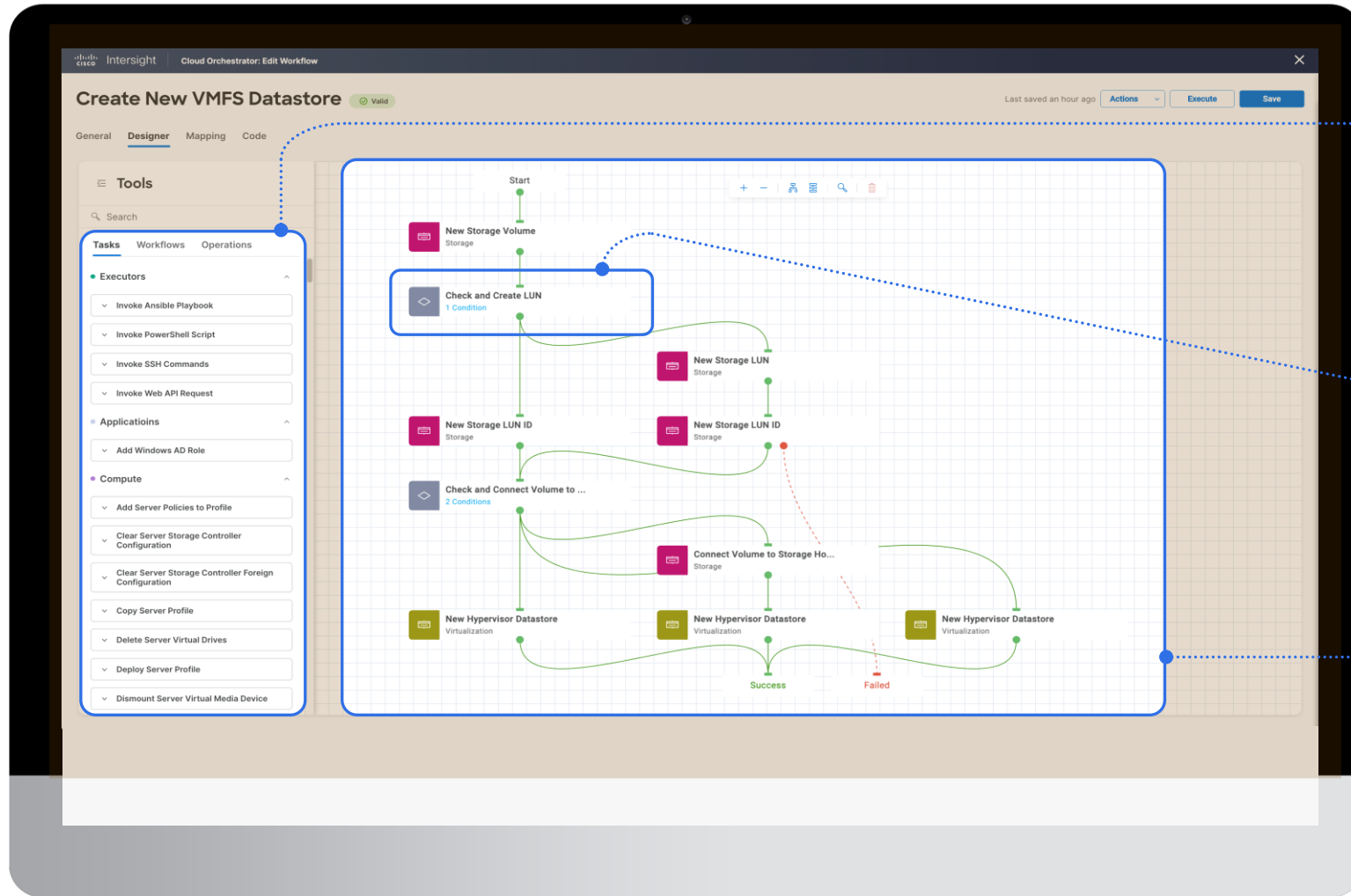


Create custom automation and integration tasks

Simple drag-and-drop workflow authoring

“With consistent and repeatable workflows offered by Cisco Intersight, IT teams can save time and decrease operational costs.” – ESG

Cross-domain orchestration with Intersight



Extensive library of ready-to-use tasks and workflows

Create custom automation and integration tasks

Simple drag-and-drop workflow authoring

Demo

Key Takeaways

Key Takeaways



API



Ecosystem and Integration



Automation

Complete your session evaluations



Complete a minimum of 4 session surveys and the Overall Event Survey to claim a Cisco Live T-Shirt.



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Thank you

CISCO Live !

