Cisco SecureX

Developing with the Next Generation Integration Platform

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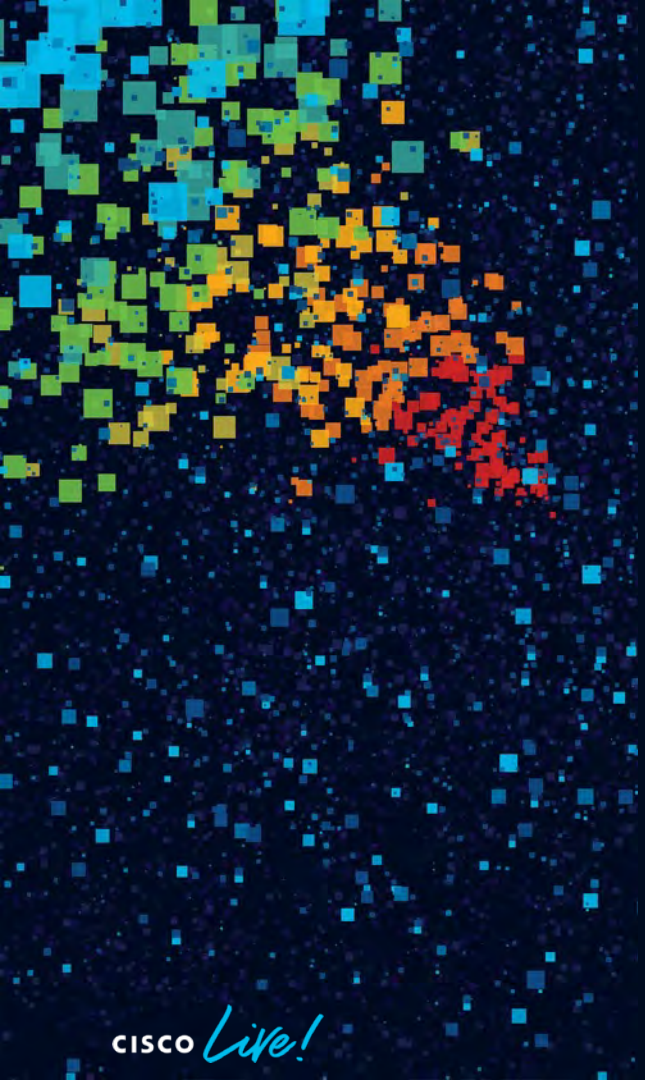
@secintsight

DevNet Day DEVNET-SEC



Agenda

- Introduction
  - What is SecureX?
  - SecureX Feature Highlights
- Developing with SecureX
  - The API model
  - SecureX threat response
  - SecureX orchestration
- Resources

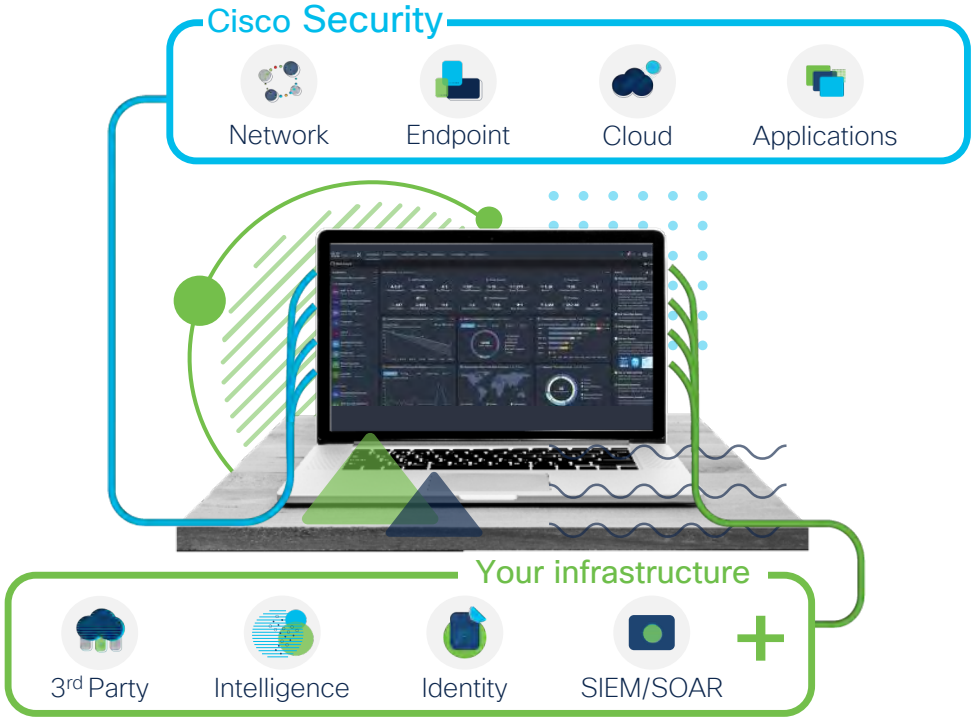
Introduction

What is SecureX?

The Cisco SecureX platform is a built-in experience within our security portfolio

Unite all your Cisco Security products to simplify your approach and maximize potential

That connects with your entire security infrastructure



Integrate everything in your environment to unify visibility, enable automation, and strengthen security

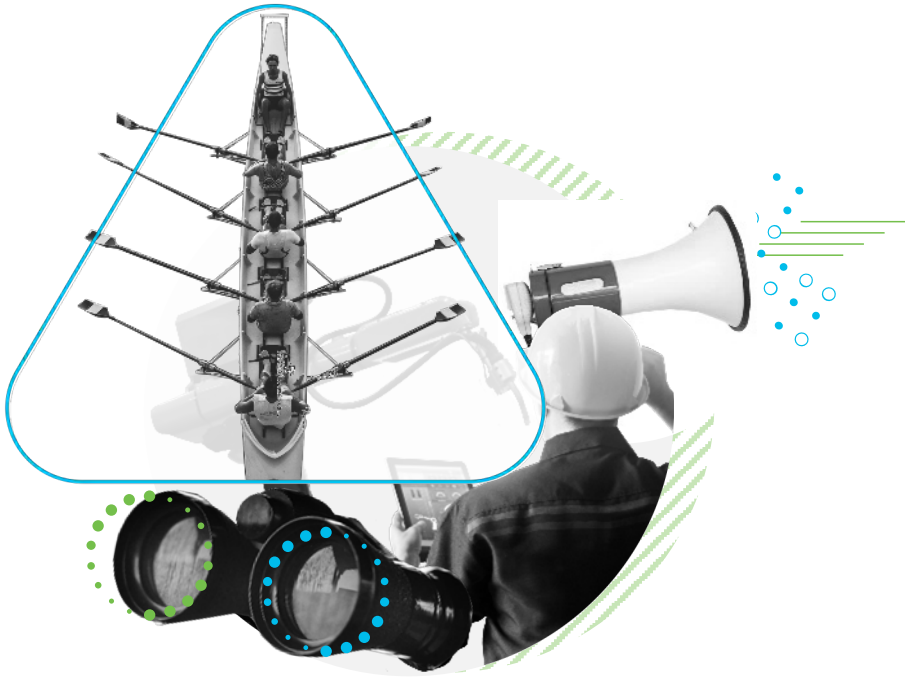
To unlock new value from your current investments

From partial awareness to complete and actionable insights

From inefficient workflows to the strength of automation

From siloed product usage to shared context

From complexity to simplicity



Feature highlights

SecureX capabilities and benefits

- **Threat response** for fast investigation and remediation
- **Playbook automation** to reduce manual workflows
- **3rd party integrations** for enhanced visibility into your environment
- **Secure sign-on** for seamless user experience
- **Customizable dashboard** to track detailed and important metrics
- **Ribbon** feature to share context between all teams and work across tools

SecureX threat response

- **Threat intelligence**: enrich your investigations with threat intelligence data from other Cisco Security products, Cisco Talos, 3rd party intelligence sources, and your own private intelligence to deliver quick answers when time is of the essence
- **Relations graph**: immediately visualize the threat and its organizational impact, and get an at-a-glance verdict for the observables you are investigating through a visually intuitive relations graph
- **Incident manager**: triage, prioritize, track, and respond to high-fidelity alerts through built-in manager
- **Response actions**: take rapid response actions across multiple security products: isolate hosts, block files and domains and block IPs – all from one convenient interface

SecureX orchestration

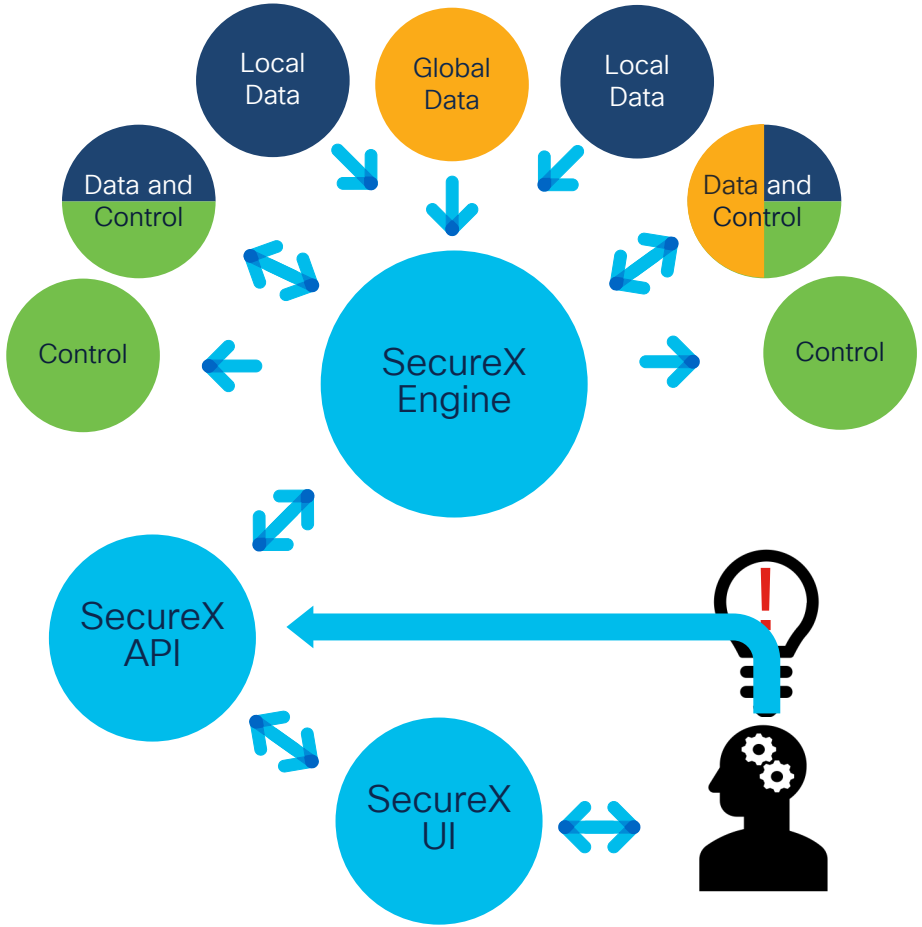
- **Low code approach**, high performance tool
- **Out-of-the box workflows** built by Cisco experts
- **Import / export workflows** from your trusted sources through convenient drag and drop interface
- **Create your own workflows** leveraging the intuitive interface and all the security tools you integrated
- **Event and intent based automation triggers**
- **Get the run time visibility** of workflows and status of their execution

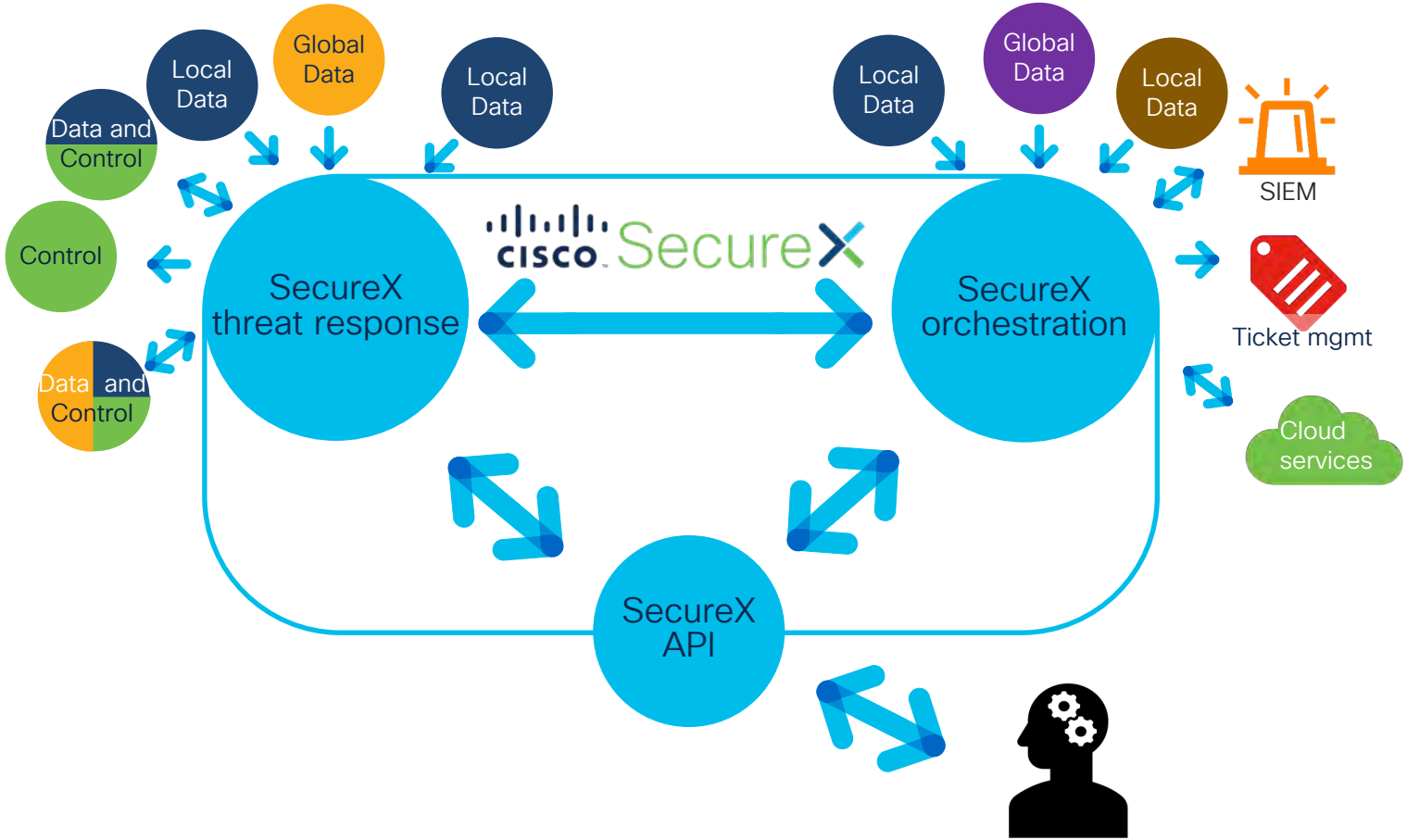
The SecureX Development Opportunity Space

The API model

API aggregation at work

API relaying at work





SecureX threat response

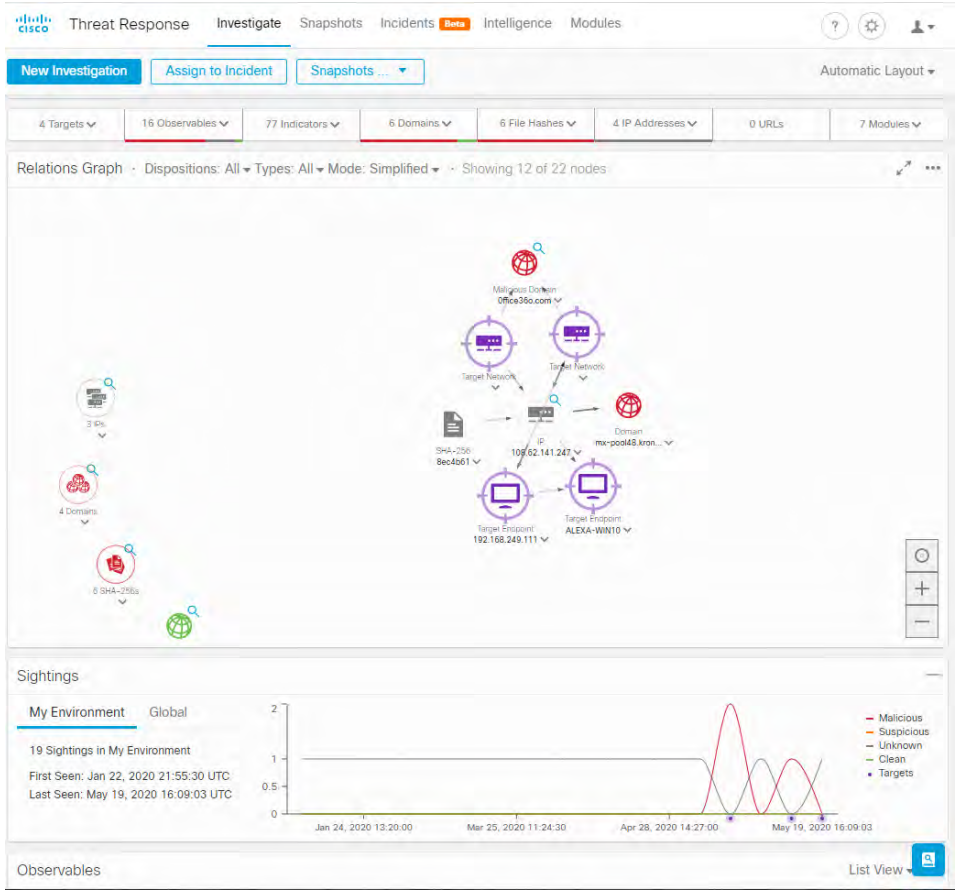
Use Cases

- Extract observables from text
- Quick reputation lookups
- Threat Hunting
- Create Incidents for Incident Manager
- Take response actions
- Add unsupported data sources!

DEMOs

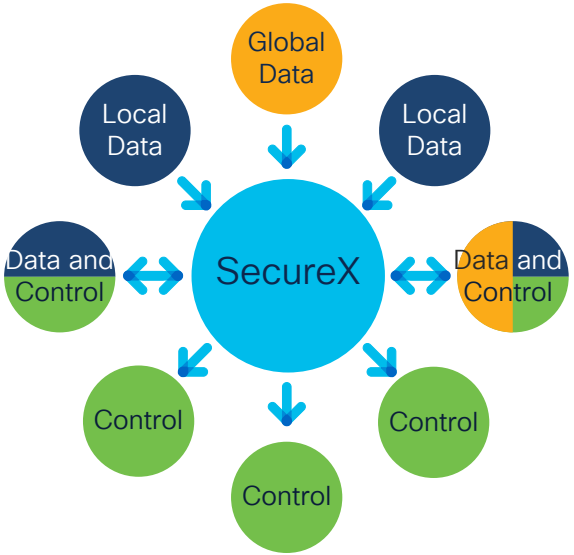
- Script Demo
  - Find obsvs in text
  - Check reputations
  - Look for local sightings
  - Link to investigation
- Plugin Demo
  - Find obsvs in text
  - Quick reputation lookups
  - Find available responses
  - Take response actions

“Cisco Threat Response”



Modules

Pluggable code to talk to SecureX-capable intel, sensor, or control technologies



Relay Modules

Relay server translates from 3rd party data model and APIs to CTIM and SecureX APIs

- Currently implemented in AWS Lambda
- Write your own!
- Template on Github

Pulsedive	Farsight DNSDB
HIBP?	Google Chronicle
Abuse.ch IPDB	MS Graph Sec
Qualys IOC	ThreatInsight
CyberProtect	Spycloud
Shodan	Google SafeBrowsing
URLscan.io	MS Defender ATP

SecureX orchestration

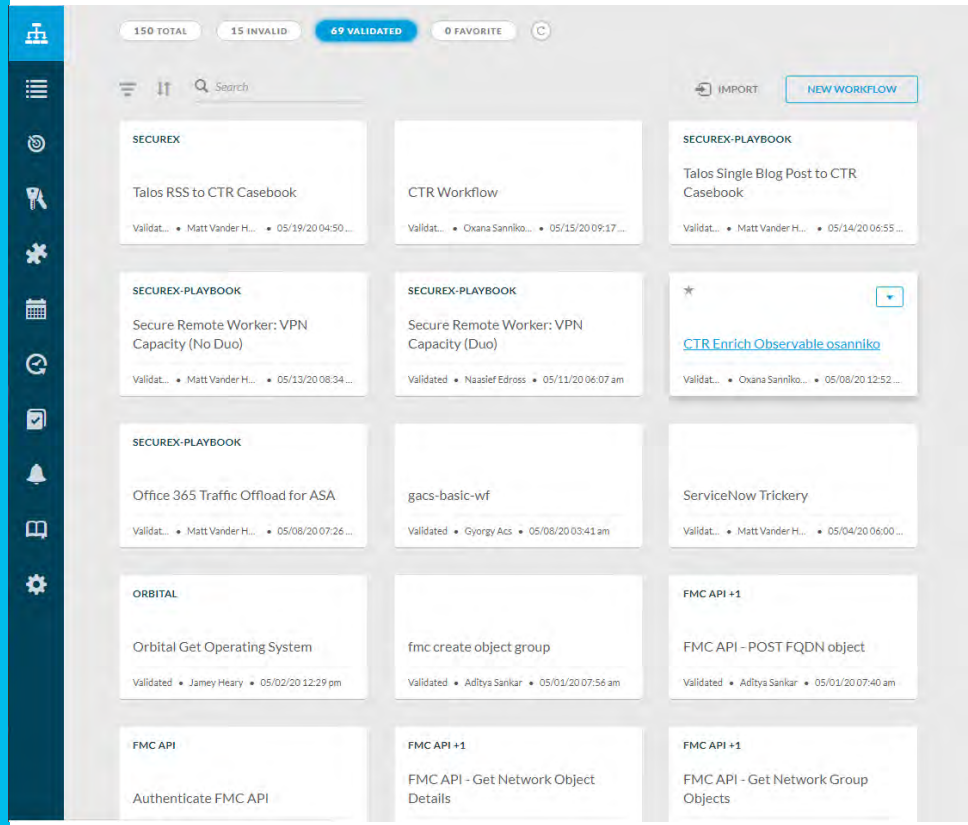
Use Cases

- Incident & Ticket mgmt
- Automated Threat Hunting
- Phishing Investigations
- Manage Load Balancing
- Collect Threat Intelligence
- Find/Report Vulnerabilities
- Group Manual Responses
- Onboard New Users

DEMOs

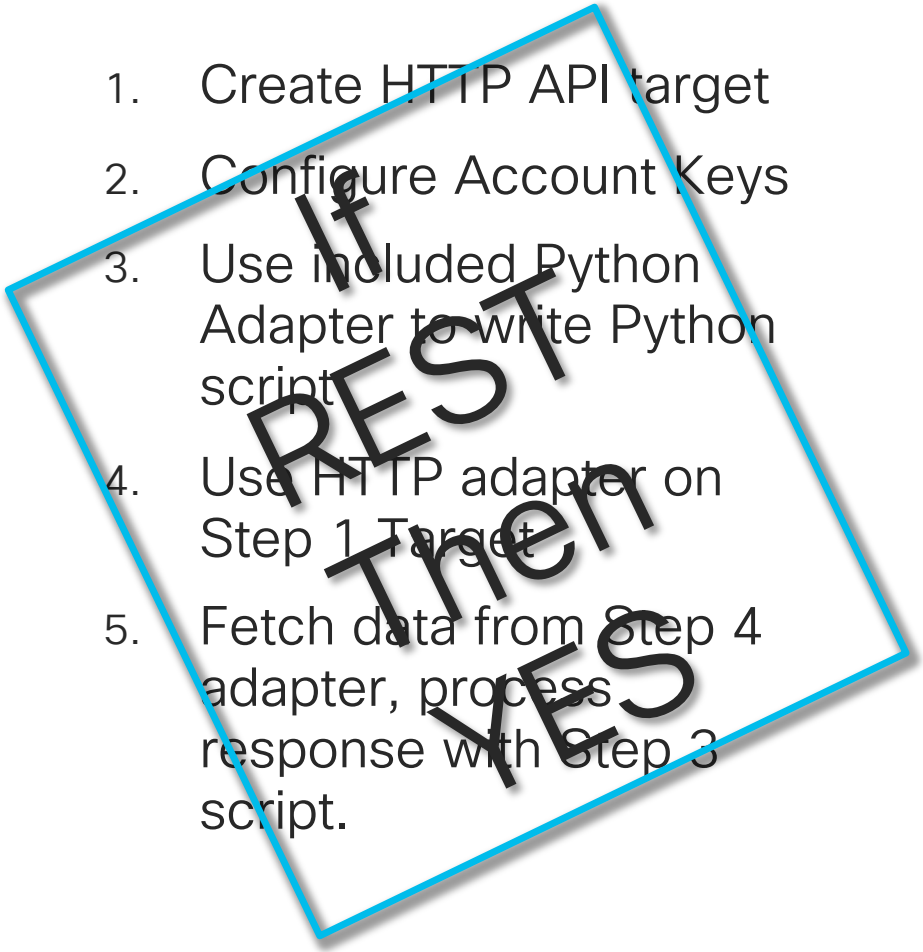
- Show “Talos single blog post to Casebook”
- Walk through steps
- Show drag and drop
- Show threatgrid & SNOW

“Action Orchestrator”



Arbitrary 3rd Party Integrations?

1. Create HTTP API target
2. Configure Account Keys
3. Use included Python Adapter to write Python script
4. Use HTTP adapter on Step 1 Target
5. Fetch data from Step 4 adapter, process response with Step 3 script.



Conclusion

Resources

Integration documentation

cs.co/SecureX_integration_workflows

UI docs and proto tools

Github

github.com/CiscoSecurity

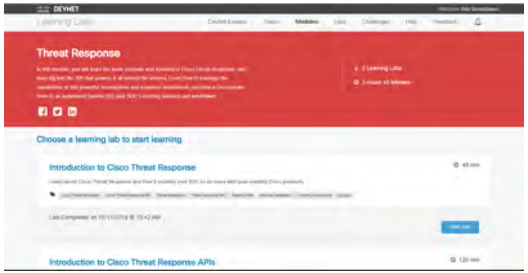
SecureX threat response Resources

Devnet

developer.cisco.com/threat-response/

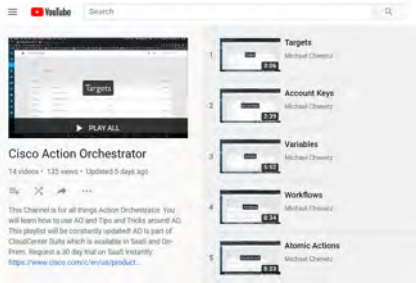
Devnet Learning Labs

cs.co/CTR-API-labs



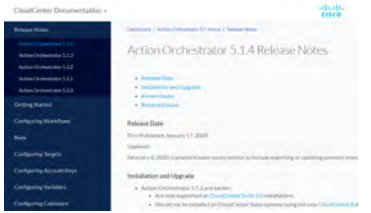
SecureX orchestration Resources

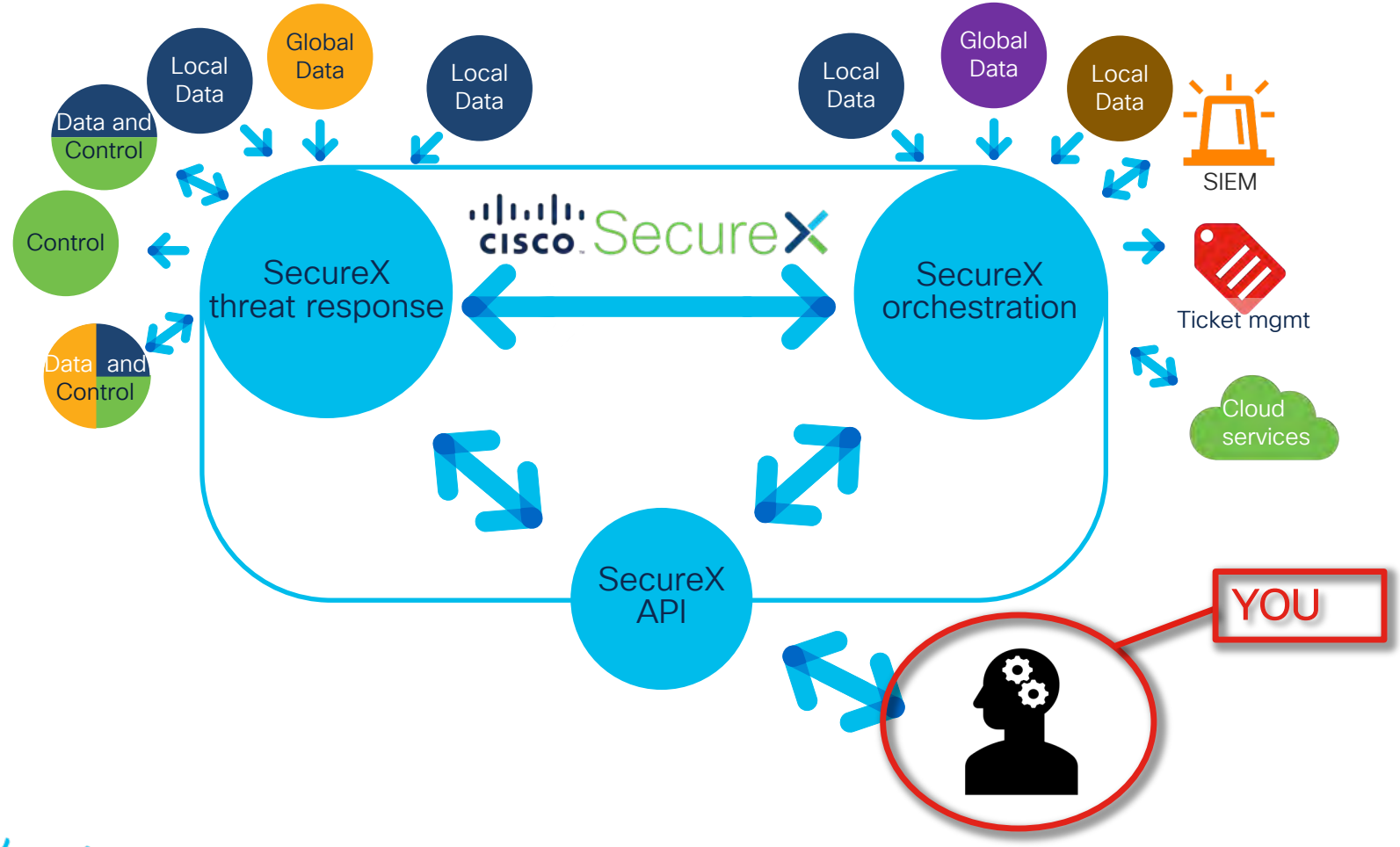
Action Orchestrator videos: cs.co/AOvideos



Action Orchestrator docs

https://docs.cloudmgmt.cisco.com/display/ACTIONORCHESTRATOR51





Thank you

Possibilities

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