Exploring Cisco Purpose-built Products

Nick Russo

NETWORK ENGINEER

@nickrusso42518   www.njrusmc.net

Agenda

Cloud-managed infra with Meraki

Optimizing WAN routing with SD-WAN

Data Center: compute and network

Collaborative technologies
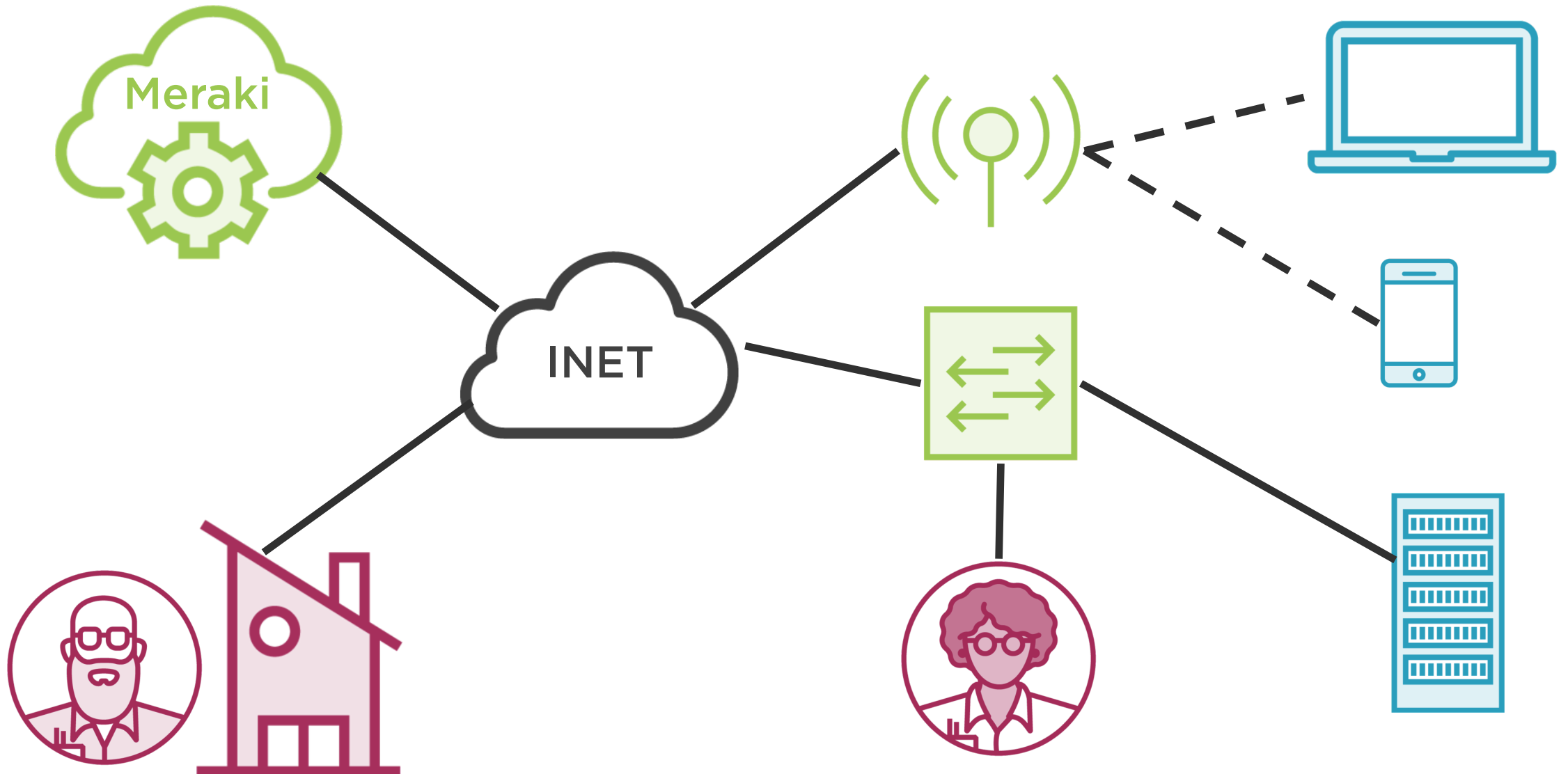
The security ecosystem

Some Important Notes

Not a sales pitch

No networking skills needed

Tons of APIs; see code samples

Cisco Meraki Architecture

Cisco Meraki Capabilities

Centralized management and control

Built-in high availability

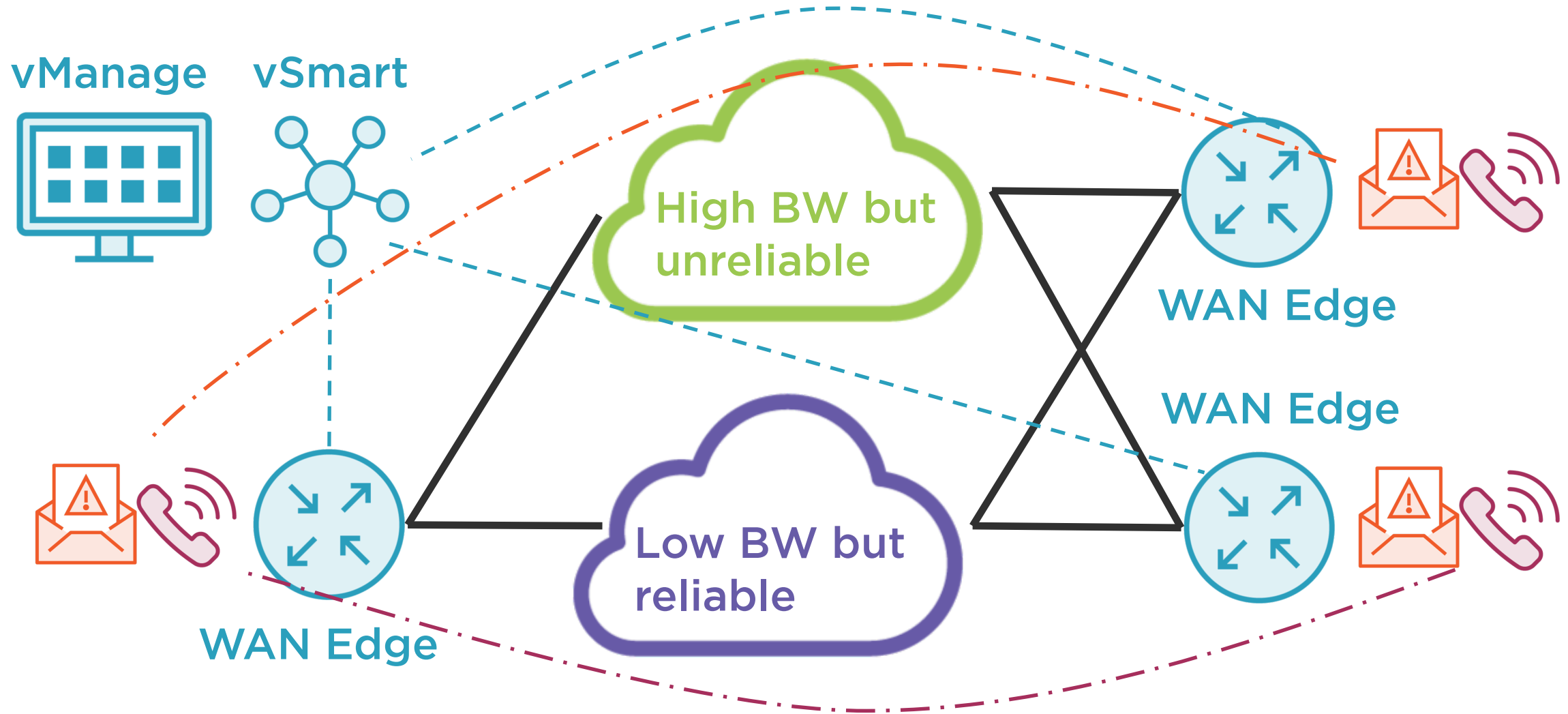**Mobility and enrollment**

Remotely deploy applications

Demo

Accessing the Meraki REST API

Cisco SD-WAN Architecture

Cisco SD-WAN Capabilities

Centralized management and control

Client segmentation

Integrated security

Zero-touch provisioning (ZTP) using vBond

Demo

Accessing the SD-WAN REST API

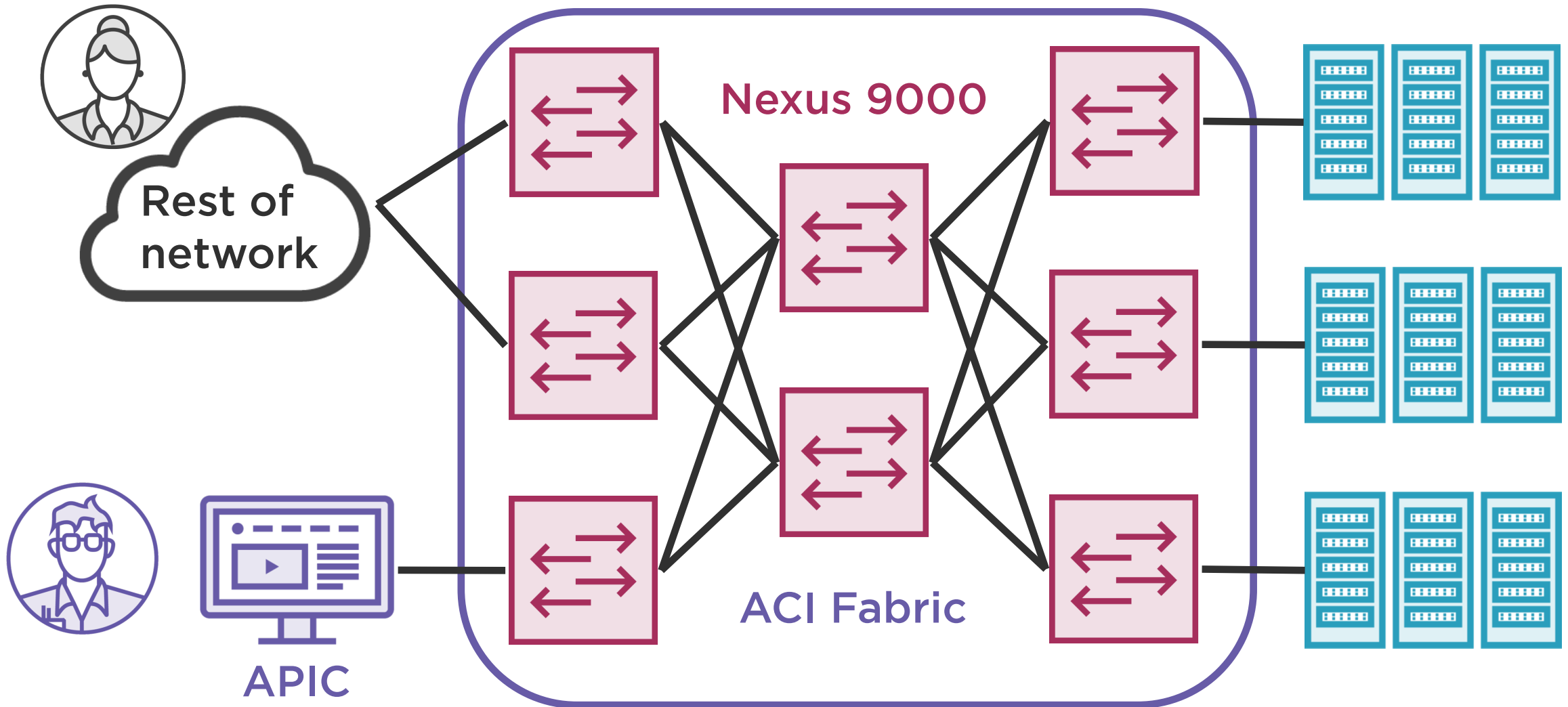# Cisco in the Data Center

UCS Manager
RPC-based XML API

Intersight
REST API

UCS Director
REST API

Cisco ACI Architecture

Cisco ACI Capabilities

Centralized management and control

Policy enforcement via EPGs and contracts

Multi-site architecture

Automated fabric provisioning

Demo

Accessing the ACI REST API

Cisco Collaboration Solutions

Webex Devices

REST xAPI

UCM

UDS: REST API

AXL: XML/SOAP

Finesse

REST API (XML)

Javascript API

Webex Teams

REST API

Demo

Posting messages into Webex Teams
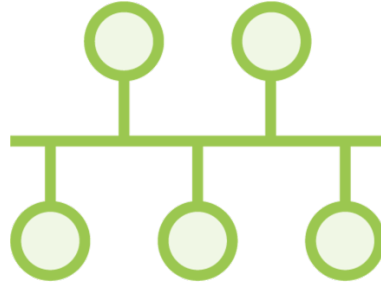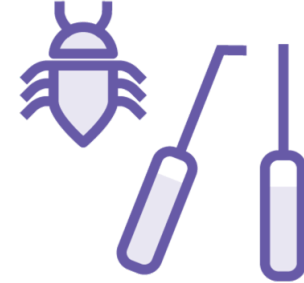
Cisco Integrated Security

Firepower

ISE

Umbrella

AMP For Endpoints

AMP For Networks

Threat Grid

Everything has a REST API!

Summary

Many products

Similar APIs

Check the course files!