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Managing devices and maintaining configuration compliance with Cisco Managed Services Accelerator (MSX)

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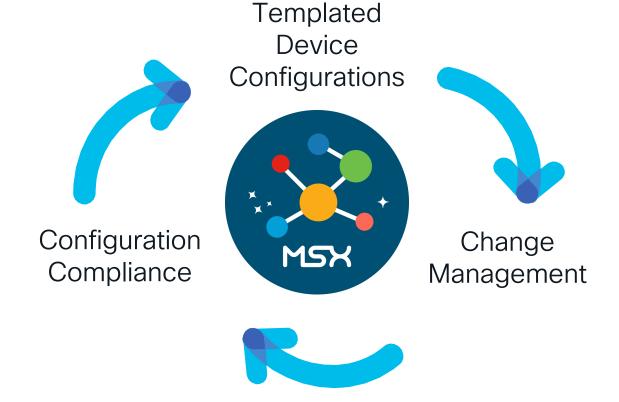


Agenda

- Introduction
- What is MSX?
- MSX Managed Device Service
- Demos:
 - Device Onboading
 - Configuration Compliance
 - Configuration Templates
 - Change Management
 - Workflow as Custom Device Action
- Conclusion



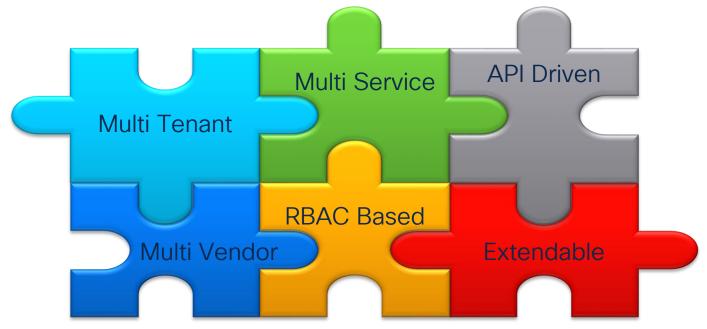
Introduction





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Cisco Managed Services Accelerator (MSX) is a:



... platform for the development, deployment, and management of managed services.



MSX Service Consolidation

Simplified Multi-Service Networking

Status Workflows **Operations** Orchestration Compliance **Policies** Templates Configurations Managed SD-WAN Managed Device Services Meraki ✓

✓

Cloud Branch Campus Locations



MSX Service Consolidation

Simplified Multi-Service Networking





MSX Managed Device Service



MSX Managed Device Service



Managed Device Service Pack

- Create a Catalog of Configurations
- Monitor Device Health and Status
- Monitor Device Vulnerabilities
- Manage Device Configuration

Service Outcomes

- Provision Cisco & Third-party devices.
- Organize Devices Under Common Tenancy Model
- Configuration Change Management
- Configuration Compliance Management

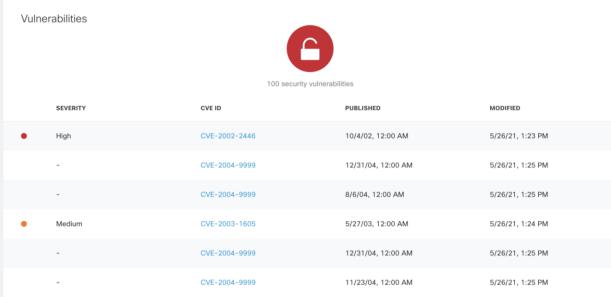


MSX Vulnerability Detection



Detects and reports vulnerabilities for both Cisco and third-party devices.







Device Onboarding



Adding Devices

Onboarding

- Zero Touch Provisioning
 - PnP Redirection
- Direct
 - Existing Devices









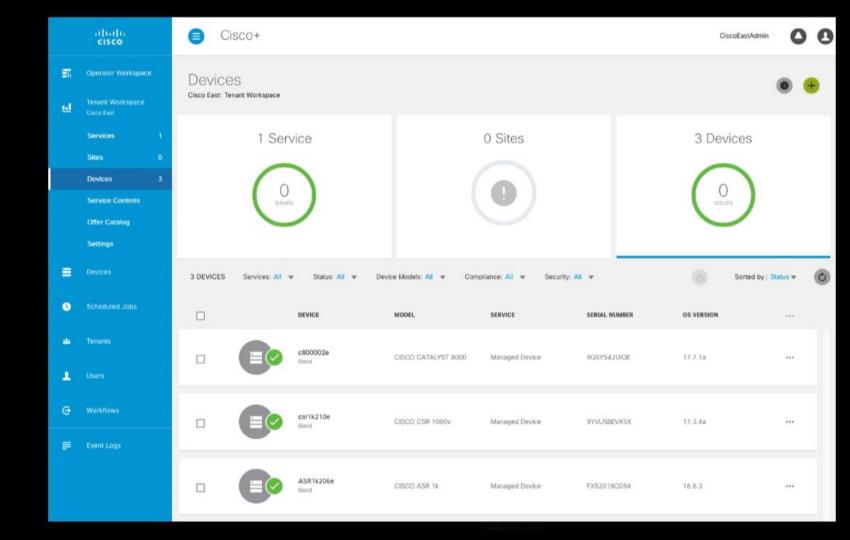






- ·IPSec
 - Device support
 - Per Device tunnel
 - FW Permissions
- ·TLS
 - Gateway Client VM
- Direct
 - Custom Enterprise VPN





MSX Compliance



Compliance Options

Templates

- Define configuration segments and values
- Devices monitored for compliance to these templates



Whole Configuration

- Complete device configuration is captured
- Devices monitored for compliance to this captured configuration



Settings

Cisco West: Tenant Workspace



Compliance and Change Management

Manage device compliance, remediation, and change approval preferences





Define Standard Configuration

Manage Standard Configuration categories, parameters, and templates for device compliance





ServiceNow Settings

Configure external Information Technology Service

Management system for Incident creation and

Change Management





Meraki Organizations

Attach one or more existing Meraki Organizations by providing an API Access Key

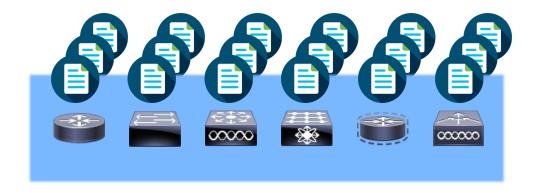


Configuration Template and Change Management



Configuration Templates

- Auto Generate XML Template from CLI configuration
- Per Tenant Control
- Templates are Stackable
 - Both in adding and removing





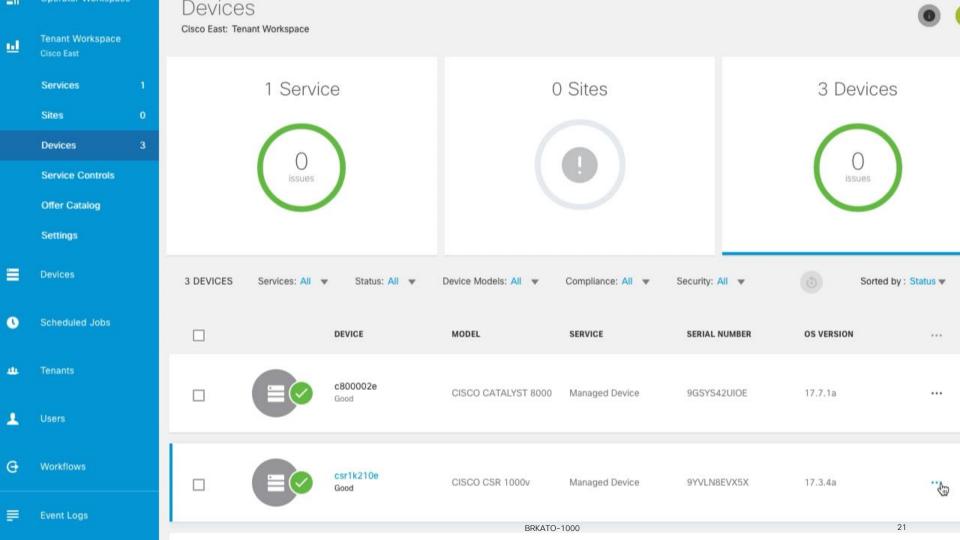
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Stacking MSX Templates

MSX Configuration Template Catalog





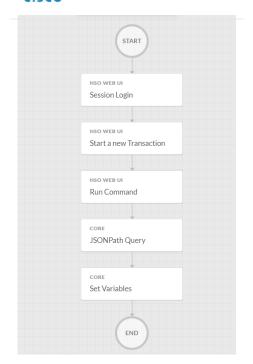


Custom Device Actions

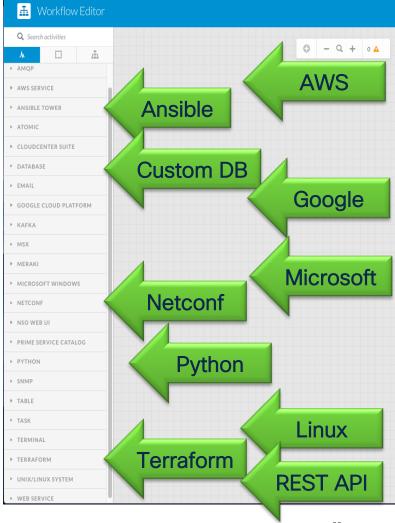


Workflow Intro

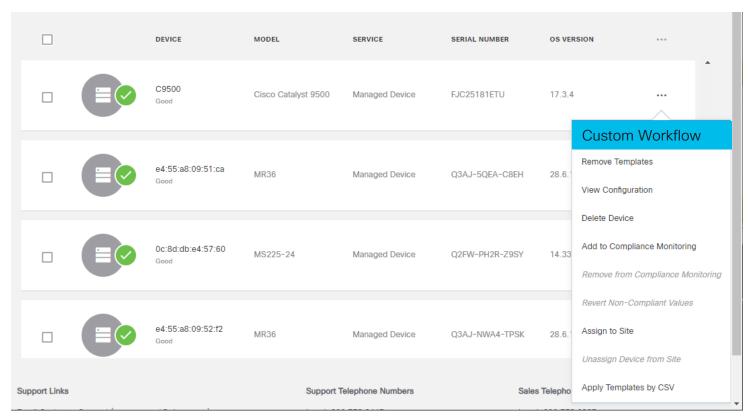
MSX Automation



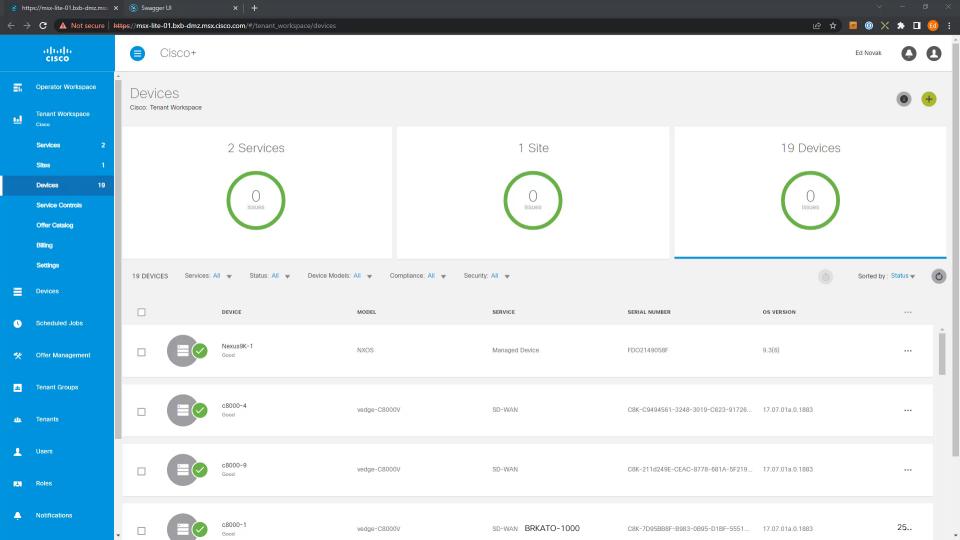




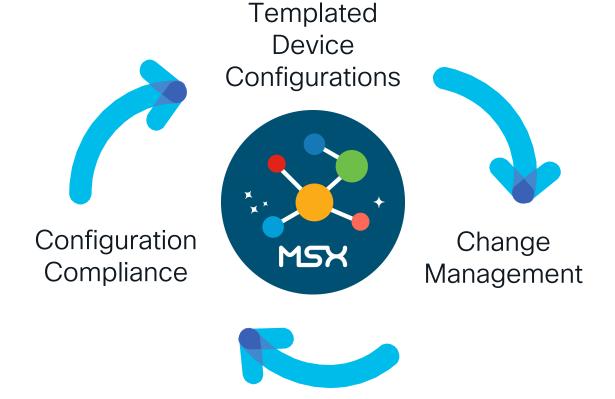
Add any Workflow as a Custom Device Action







Conclusion





Other MSX sessions

Session Type: Interactive Breakout

Session ID: IBOOPS-2254

Session Title: Case Study: How to simplify automation across 2 million

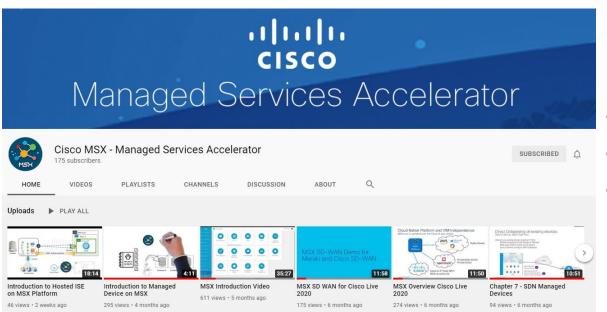
devices from disparate technology domains

Date: Tuesday 06/14/22

Start Time: 1:00 PM - 2:00 PM



MSX YouTube Channel



cs.co/msx-youtube

- Demos of MSX Services
- Subscribe for Updates!
- New Material constantly being added

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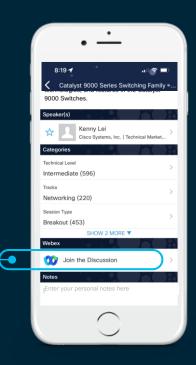
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