



ITPIE AXIOM: Mission-Critical Network Automation

The Army's Intent-Based Network
Automation Platform





When Mission Speed Meets Impossible Demands



More requirements. More complexity.
Fewer operators. Less time.

The DoD faces **converging compliance deadlines** while network complexity explodes and cyber staffing gaps widen. **Zero Trust** by September 2027. **CMMC** required for all contracts starting Q1 2025. Quarterly **STIG remediation** with immediate Category I fixes. **Critical cyber positions remain unfilled.**



Lean Ops Teams are managing increasingly complex hybrid environments that span cloud, edge, and air-gapped networks using half-measure tools and outdated tribal knowledge.

Network operations either limit the mission or unleash it. A single configuration error can cascade into mission downtime that can cost as much as \$5M per hour. Manual processes break under operational tempo—taking weeks for changes that missions need in hours. Commercial solutions collapse in air-gapped environments, classification boundaries, and military-scale operations.

Every network bottleneck delays mission readiness. Every manual process creates mission risk. The mission can't wait.



Axiom Infrastructure-as-Code: Mission-Ready Network Intelligence & Automation

Built on ITPIE's Army-proven network intelligence platform, Axiom automates policy management so DoD networks stay working and inspection-ready every day.

Axiom keeps your network compliant and mission-ready without the manual work.



Automate reliably for your mission requirements



Streamline migrations and network planning



Reduce compliance prep by 30-50%



Works in hybrid, at global-scale



ITPIE is a APL-Certified Network Intelligence & Automation Platform



Integrated tools for **complete network intelligence** + **reliable enterprise automation**



OPS Discovery



Axiom Automation

Mission-Critical Network Intelligence

AI Augmentation

Operator-Built. DoD-Tested. APL-Certified.

DoDIN APL
APPROVED PRODUCT



ITPIE Axiom enables mission speed through battle-tested intelligent automation.





Complete Network Modernization Made Simple

- ◉ **Seamless large-scale migration** through controlled workflows that update policy templates, identify non-compliant devices, and push configurations
- ◉ **Push-button remediation** for common security and compliance issues
- ◉ **Vendor-agnostic automation** for multi-vendor environments
- ◉ **Vulnerability tracking** to mission impact vs generic risk scores





>>> Config C

Device	aaa	acl
<input type="checkbox"/> c3560v2-sprva	✗	✗
<input type="checkbox"/> c3750-sprva-5!	✗	✓
<input type="checkbox"/> c3750-sprva-5!	✗	✓
<input type="checkbox"/> c3750-sprva-5!	✗	✓
<input type="checkbox"/> c5672-sprva-5!	✗	✓

Configuration Compliance List View

showing all device status against defined policies

>>> c3560v2-sprva-300-303-mgmt-0105-1 - Config Compliance

[View on Floor Plan](#) [+ Add Components](#) [Edit Device](#)

July 24, 2025, 1:21 p.m. | 2 days, 1 hour ago

Device Advanced Contacts Dynamic Groups **1** Notes Change Log Interfaces **29** Power Ports **2** Status LLDP Neighbors Configuration Config Context Data Compliance **Configuration Compliance**

Feature Navigation **Compliant** Non-Compliant Clear

cisco_ios - aaa	cisco_ios - acl	cisco_ios - banner	cisco_ios - dns	cisco_ios - features_services
cisco_ios - logging	cisco_ios - ntp	cisco_ios - snmp	cisco_ios - vty	

Individual Device Configuration Compliance Status by Policy Overview



Continuous Compliance. Always Mission-Ready.

- **Continuous operational confidence** through programmable infrastructure and predictable outcomes
- **Always inspection-ready** without preparation cycles or manual documentation hunts
- **Proactive policy enforcement** instead of reactive troubleshooting and expert-dependent fixes
- **Automated compliance** workflows that free teams for strategic mission work



Location-specific Overview with High Level Compliance Information

Individual Device Configuration Compliance Details View Showing Actionable Solutions

NTP	
Status	Non-Compliant
Intended Configuration	<pre>ntp logging ntp source Vlan110 ntp update-calendar ntp server 10.51.110.31 prefer ntp server 10.51.120.31</pre>
Actual Configuration	<pre>ntp server 132.163.96.5</pre>
Missing Configuration	<pre>ntp logging ntp source Vlan110 ntp update-calendar ntp server 10.51.110.31 prefer ntp server 10.51.120.31</pre>
Extra Configuration	<pre>ntp server 132.163.96.5</pre>

The screenshot displays a dashboard for a location named "VA, US -> Corporate HQ". It includes a search bar, navigation tabs (Location, Advanced, Contacts, Notes, Change Log, Floor Plan, Data Compliance), and a "Delete Floor Plan" button. The main content is divided into several sections:

- Location Details:** Location Type (Site), Status (Active), Hierarchy (VA, US (State / Country) > Corporate HQ (Site)), Tenant (VAE / VAE Professional Services), Facility, AS Number, Time Zone (EST (UTC-0500)), Description (VAE, Inc Headquarters), and Children.
- Geographical Info:** Physical Address (5501 Backlick Road, Suite 300, Springfield, VA 22151) and Shipping Address (5501 Backlick Road, Suite 300, Springfield, VA 22151), both with "Map It" links. GPS Coordinates (38.803012, -77.183731) also has a "Map It" link.
- Contact Info:** Contact Name (IT Support), Contact Phone (1.888.helpyou), and Contact E-Mail (support@vaelit.com).
- Stats:** A summary of key metrics: 2 Racks, 15 Devices, 7 Prefixes, 2143 VLANs, 0 Circuits, and 28 Virtual Machines.
- Rack Groups:** A section for "All racks" with a count of 2.
- Images:** A section for "None" with an "Attach an image" button.
- Compliance Table:** A table comparing features against non-compliant and compliant counts.

Feature	Non-compliant	Compliant
aaa	0	0
acl	1	1
banner	0	0
dns	0	0
features_services	1	1
logging	2	0
ntp	0	0
snmp	0	0



Real-Time Intelligence & Automated Assurance

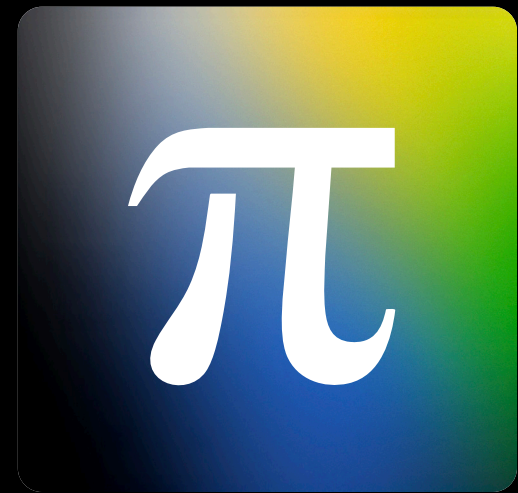
- ◎ **Monitor Actual** state through ITPIE OPS real-time collection and telemetry
- ◎ **Detect Drift** with continuous compliance monitoring including STIG-related elements (standard ACLs, centralized AAA servers, security banners)
- ◎ **Automate Remediation** through approval-based workflows integrated with ITSM platforms or executed natively in Axiom
- ◎ **Maintain Compliance** with closed-loop policy assurance and instant alert capabilities





“Template Once, Deploy Everywhere” Infrastructure-as-Code

- ◉ **Define Intent** through vendor-agnostic policy templates that serve as your programmable source of truth
- ◉ **Pre-configure devices** before they exist on the network - develop golden configs in Axiom and automatically push to new hardware upon deployment
- ◉ **Scale instantly** - configure one device template in Axiom, then automatically generate and deploy configurations across hundreds of identical devices
- ◉ **Version control** with Git integration for collaborative network planning and change management



Designed for DoD.
Proven at Army Scale.
Ready for Your Mission.





Transform Your Network with ITPIE OPS + Axiom

Contact ITPIE's Customer Engagement Lead to discuss intent-based automation solutions, pilot programs, and integration planning for your environment.

For more information, visit itpie.com or email Sales@ITPIE.com

