



Network automation services

Build a more consistent, scalable foundation for network operations

Manual network operations slow service delivery, increase risk, and consume valuable engineering time. GDT helps organizations assess, modernize, and scale their network automation capabilities—from targeted scripting to a full-scale automation initiative.

Our experts can help you identify practical opportunities to standardize workflows, improve visibility and auditability, reduce human error, and build the structured data foundation needed for secure, AI-ready network operations.

What you can achieve

- Reduce manual network operations and engineering effort.
- Establish a reliable, structured source of truth for network data and configuration.
- Prevent configuration drift and automation failures.
- Accelerate provisioning, changes, troubleshooting, and audits.
- Improve security, compliance, reliability, and uptime.
- Create a practical roadmap for scalable network automation.

How GDT can help

- ✓ **Assess your current state**
We help your team examine business goals, operational challenges, existing tools and processes, network platforms, staff skills, and the workflows that consume the most time.
- ✓ **Prioritize the right opportunities**
Together, we identify where automation can deliver the greatest operational value—such as configuration standardization, provisioning, troubleshooting, compliance checks, firmware updates, security patches, and lifecycle workflows.
- ✓ **Build a practical roadmap**
GDT collaborates with your team to define a right-sized path toward broader automation adoption, including the tools, skills, processes, integrations, and enablement needed to move forward.
- ✓ **Support scalable implementation**
Our experts combine network engineering with practical automation development to help you advance from isolated scripts to repeatable, API-driven workflows and end-to-end automation frameworks.



Network automation capabilities

GDT helps organizations develop automation approaches for enterprise and service provider environments, including campus, WAN, and mobility networks. Capabilities may include:

- Configuration standardization and lifecycle workflows
- Automated troubleshooting and operational workflows
- Compliance, audit, and rollback processes
- API-driven automation using modern development practices
- Integration with monitoring tools, CI/CD pipelines, version control, OSS/BSS platforms, and service portals
- Automation foundations that support future AI-driven insights and proactive issue resolution

A flexible, multi-vendor approach

GDT brings experience across major network OEMs, helping customers pursue standards-based automation options without being locked into a single vendor. Our approach can support environments that include Cisco, HPE Aruba, Juniper, Fortinet, Arista, Palo Alto, and other participating OEM technologies.

Why GDT

- Unbiased, multi-vendor perspective grounded in network engineering experience
- Practical automation expertise spanning Python, lightweight automation web frameworks, API-driven workflows, and emerging agentic AI tools
- End-to-end perspective across network operations, automation development, compliance, troubleshooting, and lifecycle management
- Collaborative guidance that helps teams improve consistency, scale operations, and build toward resilient, automation-ready environments

Start your network automation journey

GDT helps organizations identify the highest-value automation opportunities, establish a practical adoption roadmap, and build the capabilities needed for more secure, reliable, and scalable network operations.

To get started, reach out to see if a complimentary network automation workshop is right for you. This collaborative session with GDT experts and stakeholders from your organization explores your challenges, goals, and current staff skills to identify high-level next steps before committing to a more in-depth advisory engagement.



Request a workshop