



SOLUTION BRIEF

Intelligent Automation for Multi-Domain Networks

End-to-End Automation Across Network Operations,
Configuration, and Compliance



Modern Networks Require Modern Automation

In today's rapidly evolving IT landscape, organizations are tasked with maintaining existing infrastructure while simultaneously adopting and integrating new cloud-based technology. However, network technologies have evolved at a slower pace and traditional methods of managing the network, through manual command line interfaces (CLI), ad-hoc scripting, and siloed domain specific point solutions are unable to scale and keep pace with emerging technologies. As applications and services are becoming more complex, distributed, and require connectivity and policy enforcement across a diversity of domains such as Cloud, SD-WAN, Data Center, Wireless, and Network Applications, the management of these network concepts requires us to re-think how we have traditionally managed networks. We are entering a new era of network innovation where a modern network is needed to support and enable digital transformation. The modern network is not only designed to enable automation but requires it to be effective.

Itential is purpose-built for today's complex and distributed networks. Our powerful network automation software is used within some of the largest networks in the world to automate complex, business-critical changes at breakneck speeds, from Fortune 500 telecommunications and financial service companies to enterprises of all sizes. Our world-class products accelerate the move toward software-driven networks and next generation, agile network operations.

Our customers have realized
the impact of intelligent
network automation with
such benefits as:



4,400%

Increase in
Router Upgrades



64.7%

Reduction in Time for SD-
WAN Branch Management



98%

Reduction in
Error Rates



99.9%

Reduction in Time for
Load Balancing

Experience the Power of Intelligent Network Automation

The Itential Automation Platform is an easy to use, scalable and feature-rich network automation solution for multi-domain networks. Itential is a vendor agnostic solution that seamlessly connects disparate systems such as IT Service Management, inventory, analytics and orchestration tools for end-to-end and closed-loop network automation capabilities.

Automate Any Network Domain & Any Network Vendor Environment

Today's networks require automation capabilities that span multiple domains from traditional physical networks, next-generation programmable networks, SD-WANs, cloud networks and more. With Itential, seamlessly automate across any network domain and any network vendor.

Automate Any Network Change

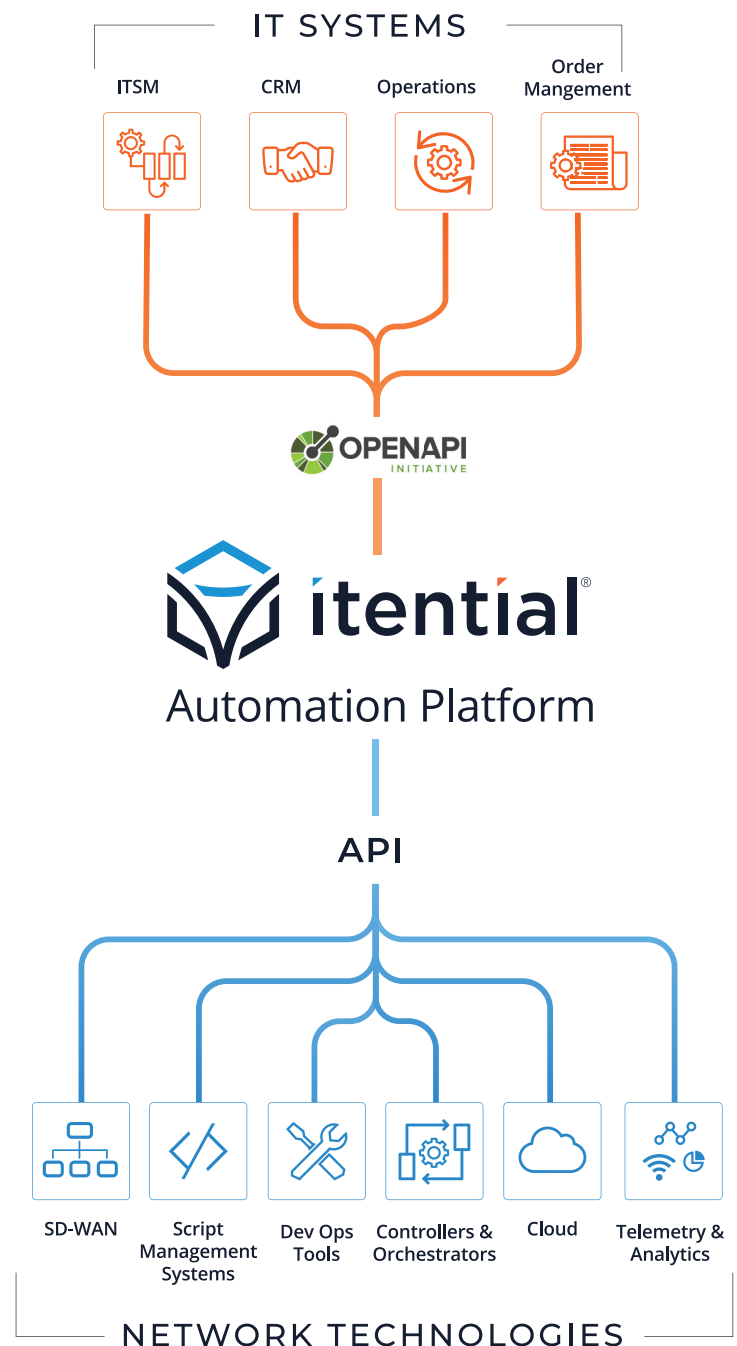
Automate any network change from routine operations tasks such as software upgrades to managing device configuration and compliance to service and policy management. Itential's purpose-built applications simplify and automate network management, reducing the scope of human errors.

Connect to Anything with Itential's Aggregated Network API

Itential simplifies your network automation ecosystem by providing a single, aggregated network API that connects all of your IT systems with your orchestrators and controllers, configuration tools and custom-built scripts to enable true end-to-end network automation.

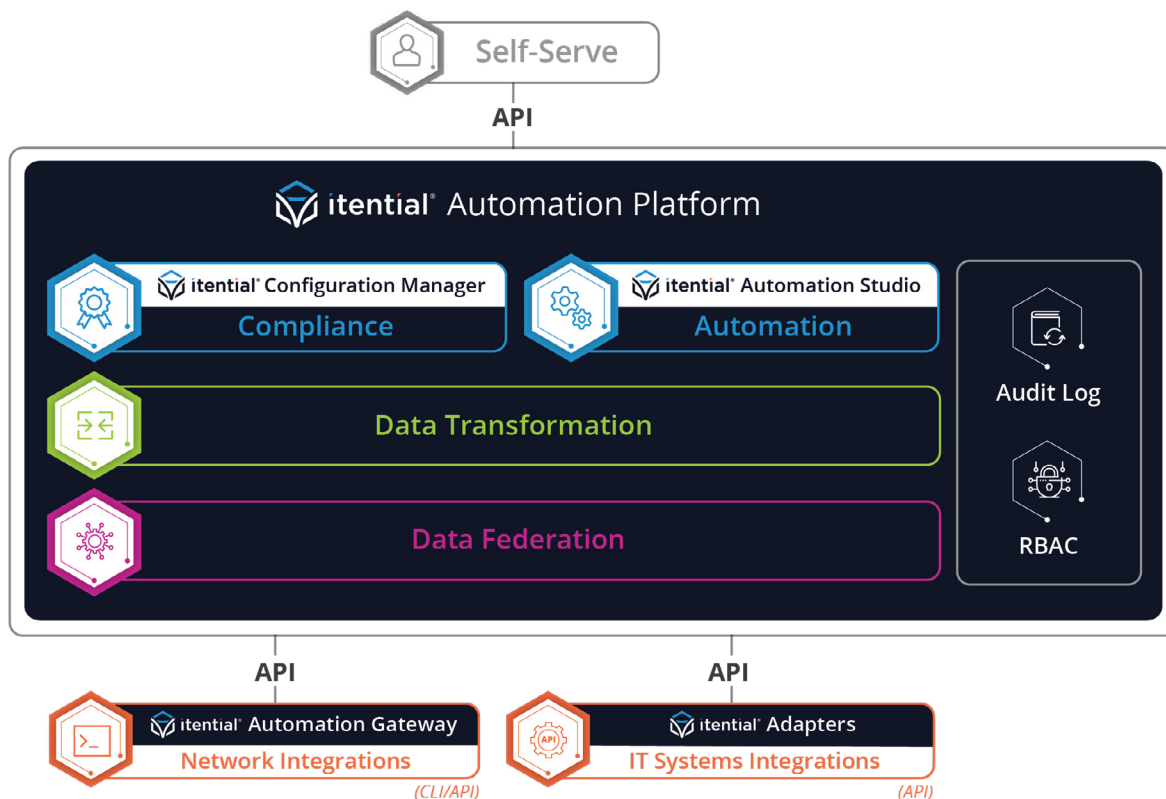
Enable Automation for All with Low-Code

Enable network engineers, software developers and IT operations to participate in network automation. Itential's low-code environment enables developers and network engineers alike to easily design, build & run flexible & reusable workflows to drive rapid network automation deployments in organizations.



Itential Architecture

The Itential Automation Platform integrates with your existing IT systems and network technologies and federates their data and logic, creating a unified view for easily automating multi-domain network environments. Our intelligence engine provides a robust model for consuming the aggregated data from existing tools and applying the business logic involved in network automation. Itential does not create copies of data, allowing your systems of record and their data to serve as the source of truth mitigating data quality issues and manual fallout errors. Automation is implemented through micro-services that are exposed through an open API to northbound systems enabling network specific actions to be triggered and managed via the Itential Automation Platform. By extracting the complexity associated with managing multiple systems and data models the Itential Automation Platform enables anyone to drive automation.



Automation Use Cases

Itential can be used to automate any network engineering or operations procedure, ending the need for manual changes and accelerating your journey toward an automated future.



Software Upgrades



Load Balancing



Device Onboarding



SD-WAN Branch Management



Firewall Configuration Change



Firewall Policy Management



Configuration & Compliance



Virtual Private Cloud Networking



DNS Updates



Virtual LAN (VLAN) Changes

Why Itential for Network Automation

The days of network teams being the bottleneck to IT change are now over. Organizations that realize the advantages of software-driven network automation technologies with closed-loop automation capabilities have a tremendous market advantage during this age of Digital Transformation and IoT expansion.

With Itential, enhance and accelerate your network automation projects and enable your next-generation, agile network engineering and operations teams to lead you toward your digital future.

Accelerate Change

Make changes at lightning speed with network intelligent workflows that automate processes and make low-code development a network automation reality.

Reduce Cost

Lower your operations costs and mitigate risks by automating repetitive processes and manual change procedures, including pre- and post-check validation.

Maintain Flexibility

Our standards-driven, model-based approach and universal network API give you the freedom of multi-vendor interoperability now and in the future.

Stay Compliant

Tighten network security controls and stay compliant by auto-remediation and management of ACLs, network policies, and firewall rules.

Find Out More About Itential



itential.com



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