

Stack Automation by Quali



Benefits

- **Reduce deployment time:** Automate the “rack-to-app” process to shift from weeks-long cycles to a rapid, hours-long experience.
- **Eliminate configuration drift:** Use blueprints validated by Cisco to ensure every deployment meets security and implementation best practices.
- **Drive enterprise flexibility:** Unify IaC assets and agentic intelligence into a governed workflow to customize blueprints or build bespoke configurations at scale.

The cost of staying manual

It is a new era for the data center. By 2027, 80 percent of enterprises will shift from component-based infrastructure procurement to full-stack solution delivery to support AI and edge workloads (ESG, 2025). However, 70 percent of IT leaders report that manual, fragmented infrastructure management is the primary barrier to scaling these AI initiatives (Gartner, 2025).

The challenge is clear: you cannot scale if you are still managing operations manually. The lack of a unified automation framework forces teams to switch between disparate tools, creating single-point-of-failure risks and draining IT budgets through excessive support cases. You need a platform that bridges the gap between day-0 planning and day-2 operations.

Automate production-ready workloads at cloud speed

Your business is ready to innovate and scale, but your IT team is often stuck in the weeds of manual deployment, struggling to keep pace with your ambition. When your deployment processes are fragmented, your teams lose valuable time managing manual configurations instead of delivering the services that drive growth. Scaling this hybrid environment is often hindered by the complexity of integrating core hardware with a diverse ecosystem of software and applications.

Stack Automation by Quali, co-developed with Cisco, removes these barriers by providing an intelligent, automated platform that delivers production-ready outcomes in hours, not weeks. Whether you are deploying physical hardware, virtualized compute, or ISV applications, Stack Automation orchestrates the entire process. By automating the deployment of software, full-stack solutions, and ISV applications, you eliminate the manual trial-and-error cycles that delay time-to-value and threaten system stability.

Use Stack Automation to shift your day 0-1 operations experience from manual, component-based configuration to a fully automated, cloud-like deployment model. You get comprehensive planning, automated provisioning, and configurations validated by Cisco, which removes deployment bottlenecks. By customizing blueprints for your unique environment, you maximize the value of your entire technology ecosystem.



Key capabilities

- **Solutions Hub:** a centralized interface for selecting and deploying pre-validated software and full-stack solutions.
- **Day-0 planning:** model solutions and visualize components to ensure seamless deployment before hardware arrives.
- **Day-1 deployment:** rapid, automated provisioning of physical, virtual, and cloud infrastructure to ensure immediate operational readiness and reduce manual setup time.
- **Blueprint Designer:** a guided interface to tailor validated blueprints or drag-and-drop existing automation assets from Ansible, Terraform, Shell, Helm, and Python into workflows.

How it works

Stack Automation is a deployment automation platform available in two tiers: Essentials for standard catalog deployments, and Advantage (subscription) for advanced customization, GitOps integration, and agentic tools. For full-stack solutions like Cisco AI PODs, we offer a one-time service engagement to orchestrate the end-to-end deployment of your networking, compute, storage, and software layers.

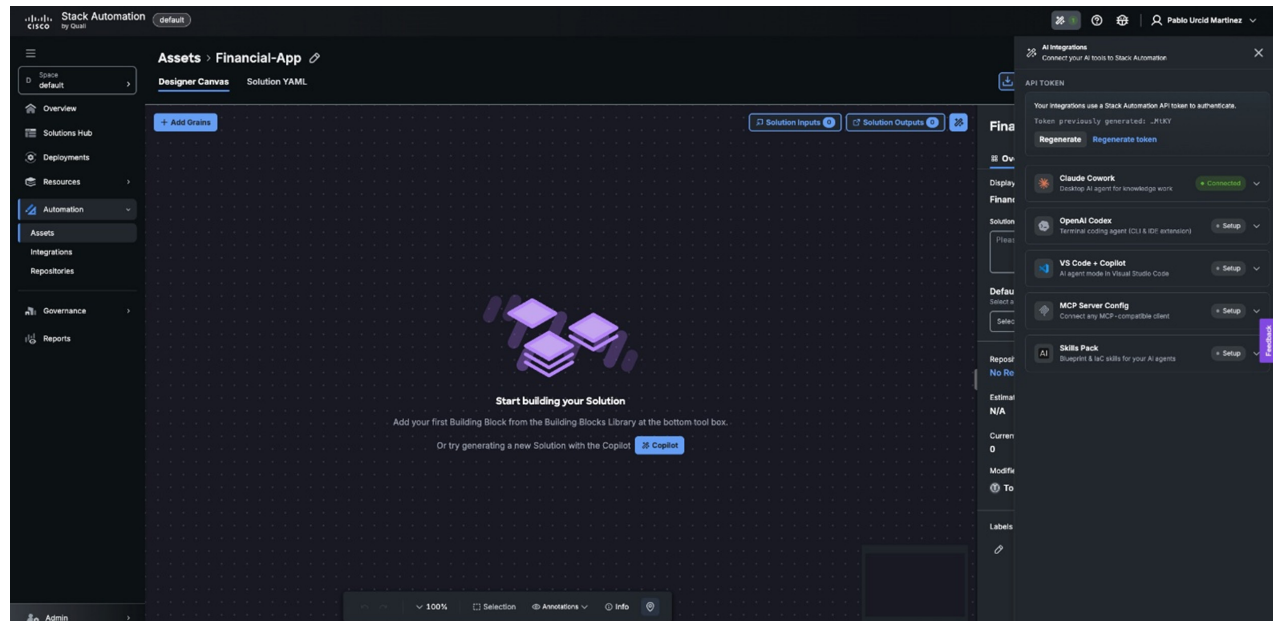


Figure 1. Use out-of-the box, pre-validated blueprints or build blueprints from scratch using agentic tools like NVIDIA NemoClaw, Claude, and others.

The Cisco advantage

Cisco is a leader in networking and compute, with an industry-leading ecosystem of validated designs. Stack Automation delivers unmatched flexibility in infrastructure automation, allowing your teams to tailor blueprints, validated by Cisco, using the Blueprint Designer or to build custom configurations from scratch. By using existing automation assets or agentic intelligence, you can meet unique organizational needs without compromising enterprise standards.

As a comprehensive deployment automation platform, Stack Automation masters the day 0-1 infrastructure workflow across diverse use cases – from AI and hybrid cloud to virtualization – within a single, unified tool. This ensures a consistent, high-performance experience which scales seamlessly across the entire application stack that is powered by Cisco, all while maintaining the security standards your enterprise demands.

Table 1. Use cases

Use case	Description
Accelerated infrastructure and software provisioning	Automates the entire “rack-to-app” process for Cisco® software, third-party applications, and full-stack solutions. By performing physical cabling and rack-and-stack validation, the platform transforms multiweek manual setups into a “click-to-deploy” experience, allowing IT teams to focus on high-value outcomes.
Adaptive blueprint and automation design	Enables teams to scale service delivery by codifying unique workflows and integrating agentic AI directly into the design process. Engineers can generate, optimize, and self-heal custom blueprints using tools such as Claude Cowork and NVIDIA NemoClaw, moving away from manual trial-and-error toward an AI-assisted design process that ensures infrastructure is perfectly tailored to specific application needs.
IT consumption and financial governance	Provides total operational transparency for the CIO. Through automated consumption reporting, organizations gain a clear view of resource usage and cost accountability across departments, enabling the implementation of showback models and the identification of optimization strategies to eliminate waste and manage hybrid environment budgets effectively.

Use Cisco lifecycle services to boost deployment success

Cisco Services help you succeed across the various phases of your infrastructure lifecycle. In the planning phase, we help you assess existing infrastructure and identify end-state goals. In the build phase, we help you design and deploy your full-stack solutions, integrating them with your existing systems to ensure immediate operational readiness.

Financing to help you achieve your objectives

Cisco Capital® can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more.](#)

Start delivering production-ready workloads at cloud speed today

Is your current deployment process arming you with the speed you need to compete in the AI era?

Get the assurance you need with Stack Automation by Quali. For additional information, visit the [Stack Automation by Quali web page](#), [schedule a personalized demo](#), or contact your Cisco representative.

Many of the products and features described herein remain in varying stages of development and will be offered on a when-and-if-available basis. The delivery timeline of these products and features is subject to change at the sole discretion of Cisco, and Cisco will have no liability for delay in the delivery or failure to deliver any of the products or features set forth herein.

