Release Notes for Stack Automation by Quali

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Introduction

Stack Automation by Quali is a deployment automation platform co-developed by Cisco and Quali, and offered exclusively by Cisco. It is designed to simplify the Day 0-1 infrastructure and ecosystem software experience by shifting from manual, component-based configuration to a fully automated, cloud-like deployment model. This approach enables faster time-to-value, allowing users to achieve results in hours rather than weeks.

The platform supports two primary deployment scopes:

- Software-only: Automates provisioning and configuration of individual software layers, including Cisco products such as Nexus Dashboard, Intersight, and Splunk, as well as third-party and ISV applications such as NVIDIA NIMs, OpenShift, and Qumulo.
- Full-stack solutions: Provides turnkey, pre-validated solutions (e.g., AI PODs and Splunk PODs) that orchestrate the entire stack—networking, compute, storage, and software layers—in a single, unified workflow.

Stack Automation integrates natively with Cisco products and leverages Cisco Validated Designs and best practices to deliver a cloud-like experience on-premises. The platform is available free for deploying validated Cisco and third-party solutions on UCS and hybrid cloud infrastructure, with optional subscriptions for advanced customization using Infrastructure as Code (IaC) and agentic AI tools.

Key benefits include accelerated deployment times, operational reliability through embedded validation, enterprise flexibility with customizable blueprints, and scalability for hybrid and AI initiatives. It acts as a high-velocity accelerator for initial deployment phases, handing off ongoing management to existing Cisco platforms such as Intersight and Nexus Dashboard.

Overall, Stack Automation by Quali enables organizations to automate production, ready workloads at cloud speed, reduce manual errors, and focus IT teams on innovation rather than repetitive configuration tasks.

Salient software features

Product Impact	Feature	Description
Self-service & ease of use	Curated Solution Hub catalog	End users can browse and launch pre-approved blueprints and applications through a self-service catalog of ready-to-deploy solutions, without requiring cloud console access.
	Blueprint creation	Stack Automation provides flexibility in how you manage your Infrastructure as Code (IaC) assets. You can automatically wrap discovered assets, manually author YAML files in your repository, or visually drag and drop grains in the Designer Canvas. You can choose the workflow that best fits your requirements.
Agentic & AI-native	AI agent integration (MCP server)	Connect Claude, Copilot, Codex, Cursor, or any Model Context Protocol (MCP)-compatible client to your environment. You can use these clients to list spaces, launch blueprints, and troubleshoot deployments using natural language.
	Agentic blueprint creation	AI agents can generate and edit blueprint YAML files directly, converting natural language requests into deployable blueprints.

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Product Impact	Feature	Description
Speed & time-to-value	Multi-grain orchestration	Combine Terraform, Helm, CloudFormation, and Ansible grains into a single blueprint with automatic dependency ordering and output chaining between components.
	Reusable building blocks	Drag pre-vetted assets onto the Designer Canvas to use them as building blocks. This approach allows you to reuse existing infrastructure for new stacks rather than rebuilding them from scratch.
Governance & security	Roles & permissions	Four built-in roles—Account Admin, Space Admin, Space Developer, and Space Member—enforce least-privilege access, supported by Single Sign-On (SSO) group synchronization with Okta and Azure AD.
	Consumption policies & approvals	Guardrails automatically enforce policies for blueprint launches, including access control, duration limits, and approval requirements. The system enforces these policies, ensuring compliance rather than relying on convention.
Consistency & reliability	GitOps / Environment-as-code	Each deployment is supported by declarative YAML files in source control—providing version history, audited authorship, and one-click rollback capabilities.
	Drift detection & update	Deployment services continuously reconcile *live* environments against their declared state, flagging or correcting configuration drift.

New hardware features

The following is the list of new hardware supported with this release.

For more information on limitations, refer to the Platform Limits and Specifications section on the Stack Automation help page.

Resolved issues

There are no resolved issues for this release.

Open issues

There are no open issues for this release.

Known issues

There are no known issues for this release.

Compatibility information

Browser compatibility

The Stack Automation UI is intended to be compatible with the most recent desktop version of most common browsers, including Chrome, Firefox, Edge, and Safari. In most cases, compatibility will extend one version behind their most recent release.

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While not designed for compatibility with mobile devices, most mobile browsers are still able to render the majority of Stack Automation UI. However, using the above-listed browsers on a desktop or laptop is recommended. Mobile browsers aren't officially supported by Stack Automation.

Verified scalability limits

Segment	Topic	Value
Management server	Maximum concurrent simultaneous blueprint deploys (2 vCPUs / 16GB RAM	10 blueprints
Management server storge	Space allocated for ISO caching	200GB
Account	Maximum spaces per account	200
Blueprint	Maximum grains per blueprint	200
Repository	Maximum attached repositories	300 repositories
Repository assets	Maximum assets imported per repository	10,000
Space	Maximum blueprints per space	500
Copilot requests	Maximum requests per minute (RPM)	10,000
Copilot tokens	Tokens per minute (TPM)	4,000,000
Blueprint execution	Simultaneous server support - OS and platform blueprints	4 servers where multiple selection is supported

Related content

To directly reach the Stack Automation user content, go to: https://stackautomation.cisco.com/help

Alternatively, you can also access the documentation from the Stack Automation URL. After you are logged in, click the "?" icon available in the header. On the **Support** screen that is displayed, click **Explore Documentation**.

Documentation feedback

To provide technical feedback on this document, or to report an error or omission, send your comments to stack-automation-docfeedback@cisco.com.

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