VMware vRealize Automation
SaltStack Config

KEY BENEFITS
• Gain efficiency – Easily deploy and configure software across virtualized, hybrid, and public cloud environments.
• Speed delivery – Enact change immediately at massive scale across your IT footprint.
• Improve performance – Create self-healing systems that detect configuration drift and auto-remediate before downstream users are impacted.

VMware vRealize® Automation SaltStack® Config is a powerful software configuration automation component available in vRealize Automation™. With SaltStack Config, you can easily define optimized, compliant software states and enforce them across your entire environment—virtualized, hybrid or public cloud—with powerful, intuitive configuration automation.

FIGURE 1: vRealize Automation delivers a suite of powerful components for full-stack automation and orchestration.

Modern configuration management
In the age of digital business, organizations must adapt quickly to rapidly changing market needs. vRealize Automation enables business agility by empowering businesses to increase speed to market; expand application scale, scope and business impact; and dynamically adapt application and cloud resources to meet their changing needs.

SaltStack Config is a powerful, feature-rich component of vRealize Automation that delivers the last mile of full-stack automation: software configuration management, Day 2 infrastructure and software automation, orchestration, and remote task execution.

Common SaltStack Config use cases include:
• Configuration management
• Self-service infrastructure automation
• Software deployment and updates
• Compliance and secure configuration enforcement
• Patching and orchestrated OS app maintenance
The power of Salt open source software, native in vRealize Automation

SaltStack Config combines the power of Salt, a robust open source automation engine, with best-in-class infrastructure automation from vRealize Automation to deliver a complete end-to-end solution for full-stack automation.

Enterprise-grade automation toolkit

SaltStack Config is Python-based and provides an intuitive, declarative management framework and simple, human-readable YAML.

vRealize Automation allows you to build a desired configuration once and enforce it across your entire data center and multi-cloud environment. SaltStack Config is built with a highly scalable architecture, underpinned with intelligent minions that run as in-system agents or agentlessly via API or SSH.

In addition to configuration management, SaltStack Config provides a native remote execution engine capable of enacting lightning-fast change across your systems at hyperscale.

Event-driven automation

SaltStack Config is built on an event-driven automation engine, making vRealize Automation the only infrastructure automation platform that can immediately detect events (such as configuration drift, system errors, or third-party notifications) and automate a response, such as enforcing desired state. It can also manage complex orchestration (e.g., multistep system patching and restarts), cross-application workflows, or even business processes, such as updating ITSM, CMDB, or other systems of record.

FIGURE 2: Keep critical systems properly configured to increase reliability and optimize resource utilization.