VMware vRealize Automation SaltStack Config

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.

**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.

**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.