VMware Aria Automation 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.

- Manage configuration – Perform configuration-related tasks on deployed virtual machines (VMs) via deep integration with VMware Aria Automation.

VMware Aria Automation Config™ is a powerful software configuration automation component available in VMware Aria Automation™. With VMware Aria Automation 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.
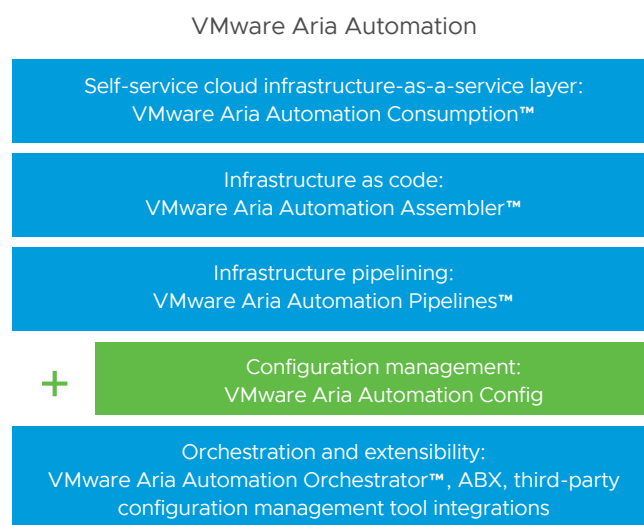
VMware Aria Automation

Self-service cloud infrastructure-as-a-service layer:
VMware Aria Automation Consumption™

Infrastructure as code:
VMware Aria Automation Assembler™

Infrastructure pipelining:
VMware Aria Automation Pipelines™

+ Configuration management:
VMware Aria Automation Config

Orchestration and extensibility:
VMware Aria Automation Orchestrator™, ABX, third-party configuration management tool integrations

Figure 1: VMware Aria Automation delivers a suite of powerful components for full-stack automation and orchestration.

Modern configuration management

Today's organizations must adapt quickly to rapidly changing market needs. VMware Aria Automation empowers 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.

VMware Aria Automation Config is a powerful, feature-rich component of VMware Aria Automation that delivers the last mile of full-stack automation: software configuration management, Day 2 infrastructure and software automation, orchestration, and remote task execution. Some common use cases include configuration management, self-service infrastructure automation, software deployment and updates, compliance and secure configuration enforcement, and patching and orchestrated OS app maintenance.

vmware®

The power of Salt open source software, native in VMware Aria Automation

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

Enterprise-grade automation toolkit

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

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

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

Event-driven automation

VMware Aria Automation Config is built on an event-driven automation engine, making VMware Aria 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 a 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 IT service management (ITSM), a configuration management database (CMDB), or other systems of record.
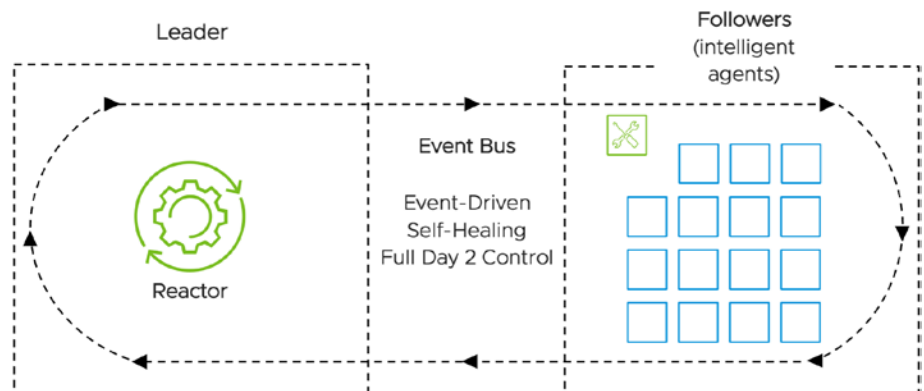

Figure 2: Keep critical systems properly configured to increase reliability and optimize resource utilization.