

VMware Aria Automation

A Self-Service Private Cloud Experience with VMware Cloud Foundation

Use Cases

- Self-service private cloud
- DevOps for infrastructure
- Kubernetes automation

Key Benefits

- Quick time to value with guided setup; resource discovery, onboarding, and organization; provisioning; and Day 2 actions
- True cloud experience via a private cloud operating model coupled with governance and resource lifecycle management
- Accelerated innovation with a future-ready platform built on IaC and DevOps principles

“With VMware Aria Automation, we’re providing a public cloud-like user experience while maintaining security, compliance, and control. We are a small team, but VMware enables us to offer anything as a service (XaaS).”

Philippe Morel
Director of IT Operations and Infrastructure
EPFL



Cloud Infrastructure Automation

VMware Aria Automation brings self-service private cloud capabilities to the VMware Cloud Foundation™ platform, enabling users to consume Kubernetes and other infrastructure resources as a service. IT service providers such as cloud admins can deliver a true cloud experience to developers, DevOps teams, platform engineers, and others to speed innovation while maintaining overall governance and workload lifecycle management.

Capabilities

Jump-start a modern private cloud with self-service consumption and delivery capabilities on-premises or in a supported public cloud.

- **Modern IaaS consumption surface:** Offer self-service consumption of Kubernetes and infrastructure resources via the service catalog, API, or Cloud Consumption Interface.
- **Policy-based governance:** Centrally manage resource access and utilization.
- **Infrastructure as code (IaC):** Enable GitOps-based iterative development and create cloud-agnostic templates.
- **Kubernetes automation:** Empower DevOps teams to provision Kubernetes clusters and Supervisor Namespaces themselves.
- **Network automation:** Provision and create networks on demand. Automate deployment and configuration of NSX objects, security groups, firewalls, and Avi Load Balancers.
- **Private AI automation:** Automate service setup and provisioning of GPU-driven machine learning workloads using the VMware Private AI Foundation with NVIDIA add-on.
- **SDDC infrastructure consumption:** Enable consumption of VMware Cloud Foundation infrastructure objects. Support VMware Cloud Foundation workload domain import.
- **Workload lifecycle management:** Discover, onboard, and optimally place workloads. Apply changes to deployed resources with day 2 and custom actions.
- **Orchestration and extensibility:** Apply custom extensibility frameworks.

VMware Aria Automation is available as part of [VMware Cloud Foundation](#). For more information, visit vmware.com/products/aria-automation.

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