

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

Copyright © 2024 Broadcom. All rights reserved.

The term “Broadcom” refers to Broadcom Inc. and/or its subsidiaries. For more information, go to www.broadcom.com. All trademarks, trade names, service marks, and logos referenced herein belong to their respective companies. Broadcom reserves the right to make changes without further notice to any products or data herein to improve reliability, function, or design. Information furnished by Broadcom is believed to be accurate and reliable. However, Broadcom does not assume any liability arising out of the application or use of this information, nor the application or use of any product or circuit described herein, neither does it convey any license under its patent rights nor the rights of others.

Item No: vmw-aria-automation-product-overview-2024 6/24