

VMware vRealize Automation

A hybrid cloud automation platform

AT A GLANCE

VMware vRealize® Automation™ transforms IT service delivery by automating IT processes and speeding up the provisioning and delivery of infrastructure and applications with governance and security.

KEY BENEFITS

- Simple and easy to set up, configure and manage – Easy and fast to set up and manage a secure hybrid cloud environment throughout its lifecycle
- Secure and compliant – Consistent orchestration with self-service and governance across a multi-cloud environment
- DevOps friendly – Highly automated DevOps platform with infrastructure as code (IaC) and rich integrations with DevOps and developer tools
- Faster time to market – Speed software delivery with flexibility and pipeline visibility
- High availability and reliability – Consistent automation throughout the lifecycle of the running application, adjusting to changes in the environment
- Any app on any cloud – Run any VM- or container-based applications across hybrid or multi-cloud environments

What is vRealize Automation?

VMware vRealize Automation is a hybrid cloud automation platform that increases productivity and agility by reducing complexity and eliminating manual or semi-manual tasks. vRealize Automation transforms IT service delivery by automating IT processes and speeding up the provisioning and delivery of infrastructure and applications with governance and security. With vRealize Automation, internal IT operations, DevOps engineers, developers and lines of business get the environments and resources they need faster with a public cloud-like user experience, while IT maintains security and control.

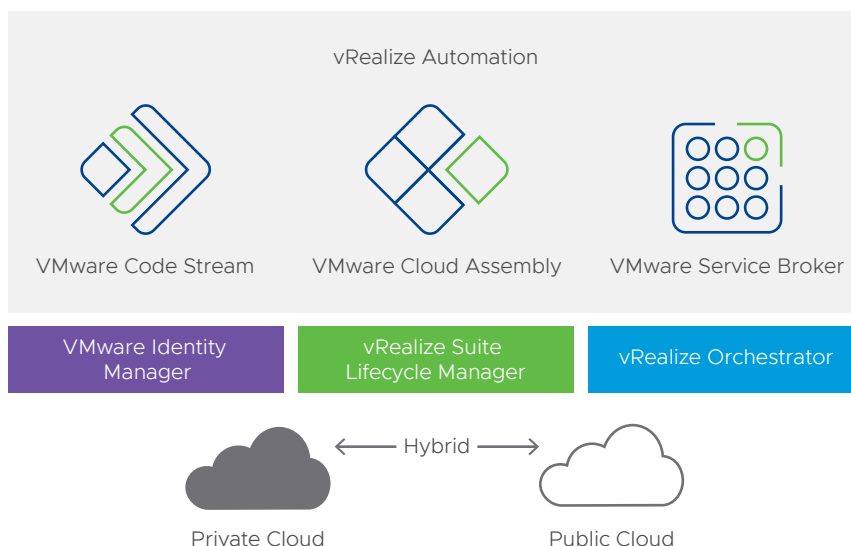


FIGURE 1: vRealize Automation 8.

vRealize Automation components

VMware Cloud Assembly™ – Orchestrates infrastructure and application delivery across hybrid and multi-cloud environments.

VMware Service Broker™ – Aggregates content from multiple resources and platforms, including VMware Cloud Assembly, vRealize Orchestrator™ and native public clouds, into a common product catalog. Provides a self-service model with flexible, policy-based guardrails for governance.

VMware Code Stream™ – Automates the application delivery process with release pipeline management, including visibility and analytics into active pipelines and their status for troubleshooting. Allows DevOps teams to leverage existing tools and processes with out-of-the-box integrations.

KEY USE CASES

- Hybrid cloud management – Manage cloud environments based on VMware vSphere® across on-premises and VMware Cloud™ on AWS.
- Multi-cloud extension – Extend the cloud environment to native public clouds such as Amazon Web Services, Microsoft Azure and Google Cloud Platform.
- Application delivery with DevOps – Automate the application development lifecycle from end to end with release pipelines across a multi-cloud environment.
- Kubernetes cluster management – Manage Kubernetes workloads, and deploy VM- and container-based applications.

LEARN MORE ABOUT vREALIZE AUTOMATION

Visit vmware.com/products/vrealize-automation

Try a free [Hands-on Lab](#)

FOR MORE INFORMATION OR TO PURCHASE VMWARE PRODUCTS

Call 877-4-VMWARE (outside North America, +1-650-427-5000), visit vmware.com/products/vrealize-automation, or search online for an authorized reseller. For detailed product specifications and system requirements, refer to the vRealize Automation documentation.

Key features and capabilities

Easy and fast to set up and manage the hybrid cloud

vRealize Easy Installer – Sets up vRealize Suite Lifecycle Manager™, VMware Identity Manager and vRealize Automation.

Deep integrations across the stack – Natively integrates with the VMware software-defined data center (SDDC) stack and vRealize Operations™.

Automated lifecycle management – Provides end-to-end lifecycle management with vRealize Suite Lifecycle Manager, including installation and configuration, upgrading and patching, all based on best practices and VMware Validated Designs.

Secure and compliant hybrid and multi-cloud platform

Self-service provisioning – End users can ask for IT services through a common product catalog that aggregates all services, blueprints, templates and images from multiple clouds and platforms, including native public cloud services.

Fine-grained governance – Admins can apply policies to projects and organizations to provide the desired level of access for all internal users.

VMware Identity Manager integration – Integration with VMware Identity Manager and Active Directory provides identity management.

Consistent orchestration across a multi-cloud environment

Blueprinting – The blueprint designer allows users to model IT services by assembling infrastructure and application deployments with their components using a visual canvas with a drag-and-drop interface. Blueprints can also be defined as code (YAML).

Cloud endpoint abstraction – Cloud-agnostic blueprints can be deployed to any endpoint based on pre-defined policies.

Multi-cloud support – Blueprints can be deployed to any public cloud endpoint. In addition, users can embed native public cloud services constructs into blueprints.

Speed up application delivery with a DevOps-friendly platform

Release pipeline management – Integrates with development tools and automates the release pipeline management with VMware Code Stream.

Visibility and analytics – Provides visualization of all active pipelines and their current status, along with an end-to-end view.

Extensible platform – Integrates with configuration management tools and other third-party tools through VMware Solution Exchange.