

# VMware vRealize Orchestrator

## KEY BENEFITS

- Accelerate cloud automation – Integrate VMware solutions into your IT environment and processes to rapidly accelerate IT operations and management.
- Reduce OpEx – Reduce IT operating expenses by designing scalable workflows to automate simple to complex IT processes.
- Increase extensibility – Automate management and operational tasks across both VMware and third-party applications, tools and infrastructure.

VMware vRealize® Orchestrator™ is a workflow automation solution designed to simplify the automation of complex IT tasks. It integrates seamlessly with VMware vRealize Suite and VMware vRealize Automation™ to further improve service delivery efficiency, operational management and IT agility. vRealize Orchestrator is built with an open and flexible architecture that system administrators and IT operations staff can use to streamline tasks and integrate functions with third-party software through workflows.

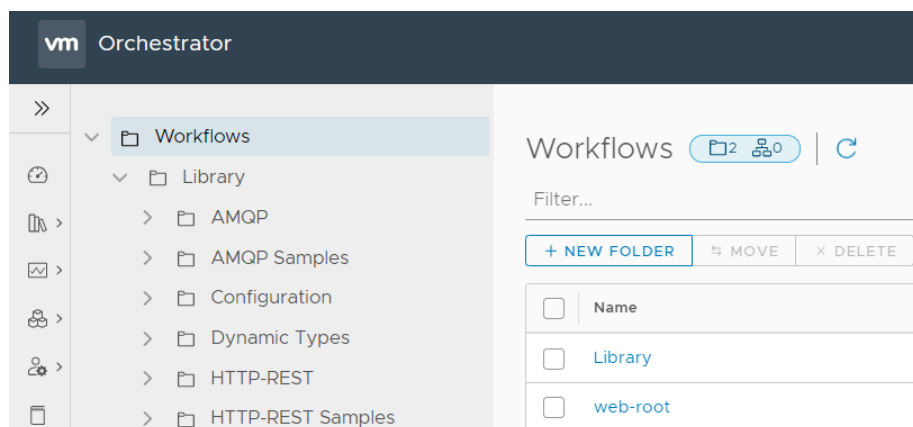


FIGURE 1: Hierarchical tree view for easy management of workloads at scale.

## Workflow development and management

The vRealize Orchestrator workflow designer is an easy-to-use, drag-and-drop workflow creator that enables users to produce simple to complex workflows. With an intuitive interface, building complex automation routines can be accomplished quickly. The workflow engine allows users to create workflows either by using custom building blocks initiated by the user, or by using third-party and VMware software provided on VMware Solution Exchange.

With vRealize Orchestrator workflows and built-in plug-ins, users can easily perform tasks, such as:

- Assign an IP address from an IP address management tool
- Generate a work order ticket
- Update a configuration management database
- Configure a load balancer
- Initiate a system backup

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Call 877-4-VMWARE (outside North America, +1-650-427-5000).

Visit the [vRealize Orchestrator product page](#).

vRealize Orchestrator enables you to create new building blocks with a built-in scripting engine. The scripting engine is enhanced with basic version control, variable type checking, namespace management and exception handling. It can be used with custom building blocks for actions, workflows and policies. vRealize Orchestrator supports multiple scripting languages, including PowerShell, Node.js and Python.

All vRealize Orchestrator workflows have version history, packaging and rollback capabilities, which allow for basic change management capabilities during the distribution of processes to different project stages and locations.

Every step in the workflow is saved in a content database, which enables server restarts without losing the state and context perimeters. This feature is especially useful for processes that take a long time to execute.

Centralized management provides a central way to manage processes and ensure administrators use up-to-date, version-controlled scripts. This provides proper change control across the environment.

### Plug-in SDK

The vRealize Orchestrator Plug-in Software Development Kit (SDK) jump-starts those new to the vRealize Orchestrator plug-in development community. It also enables advanced developers to integrate key SDK features into their existing development environments. The SDK provides an Eclipse add-on for plug-in development. Please visit [VMware Solution Exchange](#) for examples.

Performance and scalability within vRealize Orchestrator enable the execution of hundreds or even thousands of concurrent workflows on single or distributed architectures.

### Integrations

- vRealize Orchestrator provides 100 percent coverage with VMware vSphere® APIs and integrates with vRealize Automation.
- vRealize Orchestrator can be run and authenticated with VMware Cloud™ on AWS.
- Leverage plug-ins and workflows published on VMware Solution Exchange to connect to multiple VMware and third-party applications.
- vRealize Orchestrator provides a REST API to enable other applications to execute workflows.

### Licensing

vRealize Orchestrator comes in two licensing models. Basic vRealize Orchestrator functionality is included as part of vSphere, and full functionality is only available as part of vRealize Automation (standalone or vRealize Suite Advanced/Enterprise license keys). The full-featured vRealize Orchestrator includes additional features, such as Git integration and multitenant orchestrator, not available with vSphere. vRealize Orchestrator included as part of vSphere can unlock these features with a vRealize Automation license key (standalone or vRealize Suite Advanced/Enterprise). Multiple scripting language support is only available with vRealize Automation licenses.