VMWARE VREALIZE ORCHESTRATOR
Executing Complex IT Operations Faster and at Lower Cost

AT A GLANCE

VMware vRealize® Orchestrator™ is a drag-and-drop workflow software that simplifies the automation of complex IT tasks. It integrates with VMware vRealize Suite and vCloud Suite® to adapt and extend service delivery and operational management capabilities. This allows for more seamless integrations with existing infrastructure, tools and processes.

KEY BENEFITS

• Accelerate Cloud Automation: Integrate VMware solutions into your IT environment and processes to rapidly accelerate IT operations and management.

• Automation: Reduce IT Operating expenses by designing scalable workflows to automate simple to complex IT processes.

• Extensibility: Automate management and operational tasks across both VMware and third-party applications, tools and infrastructure.

How does VMware vRealize Orchestrator work?

vRealize Orchestrator is a powerful tool designed to simplify the automation of complex IT tasks. It integrates seamlessly with vRealize and vCloud Suites to further improve service delivery efficiency, operational management and IT agility. vRealize Orchestrator is built with an open and flexible architecture which system administrators and IT operations staff can use to streamline tasks and integrate functions with third-party software through workflows.
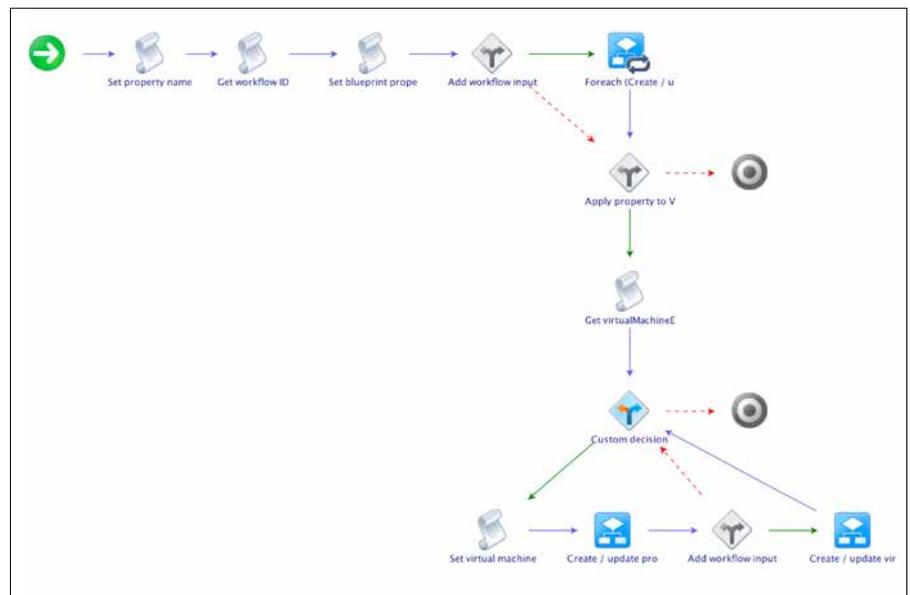

Figure 1: vRealize Orchestrator workflow visualizer

Workflow Development and Management

vRealize Orchestrator's 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. Available on Windows, Linux and Mac OS.

A 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 the VMware Solution Exchange.

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

• Assign an IP Address from an IP Address Management tool
• Generate a work order ticket
• Update a CMDB
• Configure a load balancer
• Initiate a system backup, etc.

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SYSTEM REQUIREMENTS

• Hardware: 2 CPUs, 6 GB of memory and 17 GB of hard disk

• OS Support: OS must be 64 bit

• Single Sign on and vIDM are supported

FIND OUT MORE

For information or to purchase VMware products, call 877-4-VMWARE (outside North America, +1-650-427-5000), visit http://www.vmware.com/products or search online for an authorized reseller.

For detailed product specifications and system requirements, refer to the VMware vRealize Orchestrator installation and configuration guide.

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 customer building blocks for actions, workflows and policies.

All vRealize Orchestrator workflows have version history, packaging and rollback capabilities, which allow for basic change management capabilities during 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 that administrators use up to date and 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 who are 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.

Performance and scalability within vRealize Orchestrator enables it to execute hundreds or even thousands of concurrent workflows on single or distributed architectures.

Integration

• Cloud-ready – vRealize Orchestrator provides 100 percent coverage of the vSphere APIs, and is integrated with other VMware solutions such as vRealize Automation™ and vRealize Operations™. With this type of coverage, administrators or developers can automate virtually any task in their cloud and virtual infrastructure.

• Ecosystem – Use plug-ins and workflows published on VMware Solution Exchange, a marketplace full of extensible solution plug-ins, to connect to multiple VMware and third- party applications.

• REST API – vRealize Orchestrator provides a REST API to enable other applications to execute workflows.

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