

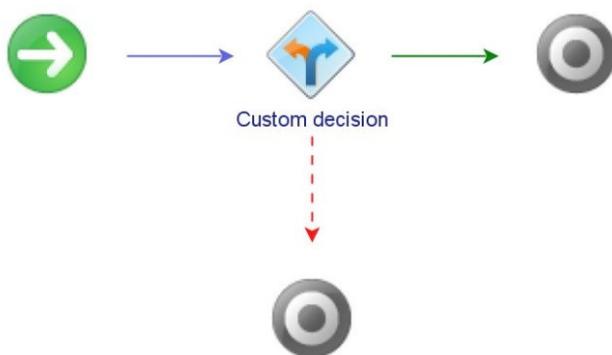
# Lenovo Networking Plug-In for VMware vRealize Orchestrator

Advancing Cloud Computing by Simplifying Networking Service Deployments

## Networking Simplified

The Lenovo Networking Plug-in for VMware vRealize Orchestrator enables network administrators to easily and quickly deploy new networking services for cloud based enterprise and SMB networks. Integrated with this Lenovo Networking plug-in is an extensive catalog of tools designed to enable the vast majority of new network service provisioning actions to be executed using only vRealize Orchestrator.

This comprehensive collection of Lenovo Networking developed tools utilizes network configuration best practices for convenience, reliability and rapid service orchestration. Enabling networking capability is part of Lenovo's investment to support VMware cloud ecosystems and allow resource configuration using a single workflow to create a virtual machine, provision server resources and configure the associated switch network - thereby greatly reducing the effort required to deploying a new service.



Workflow for conducting a Network Check

## Faster Provisioning

This new provisioning capability for supported Lenovo Networking equipment is ideal for enterprise and SMB data centers that have deployed a VMware vCloud ecosystem. Tight integration with the VMware vRealize suite enables network equipment provisioning from a single pane of glass. Consequently, system administrators may accomplish more network configuration provisioning through vRealize Orchestrator and be less reliant upon other network provisioning interfaces. From a scaling perspective, the architecture of the vRealize suite in conjunction with the Lenovo Networking equipment enables this combination of platforms to address deployments of almost any size.

## Extensive Catalog

Administrators may use an extensive catalog of Lenovo Networking actions and workflows out of the box for deploying new services. In addition, they may modify and adapt entries in the standard Lenovo Networking catalog to produce actions and workflows specifically tailored to their specific needs. Additionally, an administrator may create a new workflow from scratch to work with the Lenovo Networking Plug-in using the tools provided by vRealize Orchestrator. With a number of catalog options available, administrators can start quickly using the standard catalog and over time, if needed, develop more customized actions and workflows.

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Detailed Service Creation

Standard workflows featured in the Lenovo Networking plug-in enable all supported Lenovo Networking equipment to be imported into a vRealize Orchestrator managed network. When it comes to creating new network services, the standard actions and workflows enable administrators to quickly and effectively bring new applications online. VLANs, VLAG port channels and unified fabric ports may be created, modified and removed. VLANs may also be applied across multiple switches and across ports with the standard workflows. Additionally, spanning tree protocol groups may be created and assigned to specific VLANs. This array of network provisioning capabilities incorporated into standardized workflows is squarely aimed at easing the burden for administrators deploying new services and to do so without creating new workflows from scratch.

## Supported Platforms

Included in the initial release of the Lenovo Networking Plug-In for VMware vRealize Orchestrator is support for the Lenovo Flex System Interconnect Fabric featuring a pair of Lenovo RackSwitch G8264CS top of rack switches and up to 9 pairs of Lenovo Flex System SI4093 modules. Additionally, the new Lenovo RackSwitch G8272 top of rack switch is supported for integration into vRealize Orchestrator.

Support for these initial platforms enables Lenovo to address the most popular data center network configurations used in today's cloud networks. To maximize provisioning security for these networking platforms in large scale deployments, Lenovo has adopted SNMPv3 as the communication protocol between the vRealize Orchestrator plug-in and the network equipment.

## Log-Insight Integration

Lenovo Networking has expanded VMware vRealize suite integration with a content pack for vRealize Log Insight. With these capabilities, switch configuration changes made in Orchestrator are captured as event logs which are forwarded to Log Insight where they may be monitored and, if the admin chooses, they may be alerted as switch configuration changes. Integrating configuration changes and alerts with Log Insight and Orchestrator puts simple control and information capabilities on one platform, simplifying the cloud network administrator's daily tasks.

## For More Information

The Lenovo Networking Plug-In for VMware vRealize Orchestrator may be downloaded from the VMware Solution Exchange.

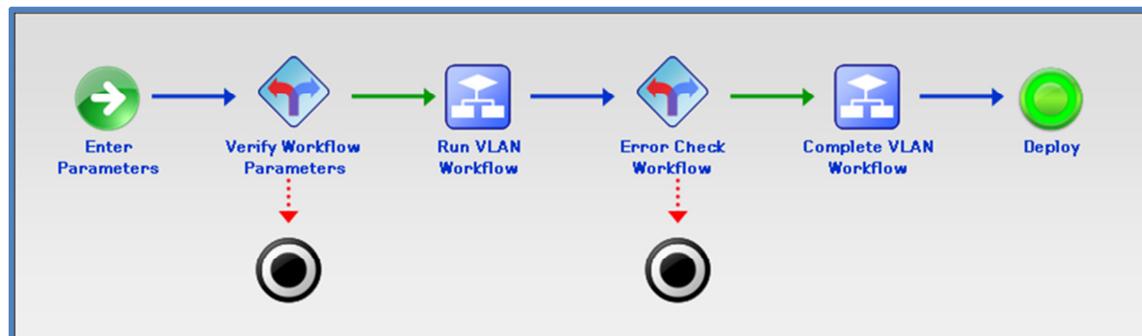
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Workflow for the creation of a Network VLAN with integrated error checks