INFOBLOX IPAM PLUG-IN FOR VMWARE VREALIZE ORCHESTRATOR AND VREALIZE AUTOMATION

AUTOMATING CRITICAL IP NETWORK SERVICES FOR VMWARE PRIVATE CLOUD

As the pace of virtualization continues among major enterprises around the world, customers are increasingly turning to private cloud technology to give them new levels of business agility and flexibility and reduce infrastructure cost. Private cloud technology brings IT organizations significant cost reductions while enabling them to respond quickly to changing business needs.

CUSTOMER CHALLENGE

While the flexibility and agility that private clouds can deliver are clearly in sight, implementation challenges abound. The server consolidation savings achieved to date from virtualization efforts and in private cloud pilot programs have yet to be fully realized in production. Users cite organizational and process issues as a major source of friction that inhibits the deployment of cloud programs. For private cloud projects to succeed, the underlying network fabric needs to be able to support new levels of automation. Traditionally, network teams have relied too much on manual scripting and configuration methods and processes, which need to be eliminated or automated before private clouds can succeed and enable businesses to achieve their goals.

In the case of VMware's private cloud solution, significant progress has been made toward establishing a solid technology for a flexible and agile cloud, but a critical gap remains. Network teams are still reliant on manual IP address and DNS provisioning, which leaves network teams unable to provision cloud services quickly. While they can now spin up multiple virtual machines in minutes, in many cases it still takes hours, days or even weeks to provision them with an IP address and DNS name.

SOLUTION OVERVIEW

Infoblox IPAM plug-ins for VMware vRealize Orchestrator (vRO) and vRealize Automation (vRA) enable enterprises to eliminate the friction in private cloud deployments. By automating key network provisioning processes that are currently manual, Infoblox enables private cloud projects to reach the finish line much sooner and deliver the business flexibility and agility that private cloud promises.

Feature Highlights

Infoblox IPAM plug-ins for vRO and vRA, in combination with the Infoblox Grid™ system, provide the following:

- Automated provisioning and reclamation of IP addresses and DNS records for VMs that enables faster VM provisioning and avoids VM sprawl by automatically reclaiming IP addresses when VMs are destroyed

- Infoblox Smart Folder views that enable simple visibility of IP addresses, DNS records, VMs, networks, and tenants by group, VLAN or network

- Infoblox Grid for automated high availability and disaster recovery failover for critical IP services, including DNS and DHCP

- Role-based access control, audit trails and automated one-touch updates to all Grid members

- Centralized management that enables all cloud, virtual, and physical networks to be viewed and controlled from a single web-based GUI console
- Consistent user experience, confidence, and trust based on continued rigorous compatibility validation and testing with recent versions of VMware vRA/vRO

POWERFUL, INDUSTRY-LEADING SOLUTIONS

- Rapid IP address provisioning to VMware vRO and vRA
- Automatic reclamation of IP addresses from decommissioned VMs
- Automatic deployment of DNS records to new VM-based hosts
- Single platform for managing cloud, virtual and physical networks
- Availability via free download at https://info.infoblox.com/downloads-software-vmware-cloud-adapter

FASTER DEPLOYMENTS, SHARPER VISIBILITY

Infoblox IPAM plug-in for VMware vRO and vRA delivers the following benefits:

- Enhances existing customer investments in VMware vRO and vRA
- Improves network deployment time by eliminating manual configuration errors and automating provisioning processes
- Reduces friction in cloud deployments by adding network automation and visibility
- Delivers visibility for individual VM components in dynamic, virtualized network environments
- Provides all of the tools necessary to configure, view, change, track, and report on network conditions across multiple network environments simultaneously
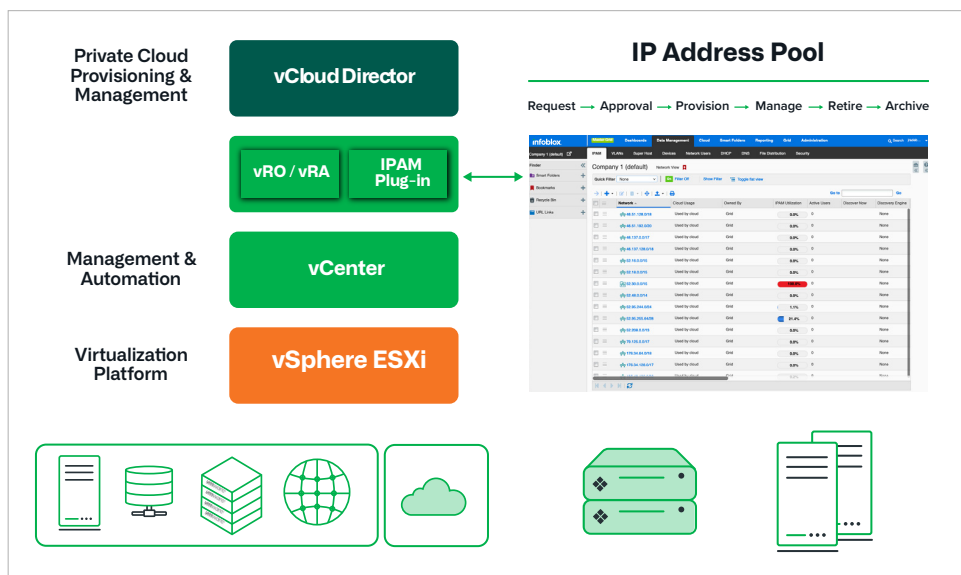- Delivers comprehensive tracking, logging, and reporting for audit and compliance purposes

Figure 1: The Infoblox VMware vRealize Orchestrator/vRealize Automation plug-in overview

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