

## Connector for VMware

### Expedite VM Provisioning with IPAM Integration

BlueCat's Connector for VMware ensures fast and reliable provisioning of IP addresses, networks, and DNS records for virtual resources. Centralized visibility and control of IPv4 and IPv6 address space capacity and utilization saves time and reduces the risk of human error. Seeing networks that are near capacity and those that are underutilized is easy, giving you the ability to avoid capacity problems before they occur. BlueCat serves as the single source of truth by recording and maintaining all IP, network, and DNS information.

#### Automate VM Provisioning

BlueCat's Connector for VMware provides an automated solution for assigning IP addresses and updating DNS information. You can configure the Connector for VMware to use pre-defined VMware workflows, or build your own custom versions to perform other provisioning tasks. The Connector for VMware is designed to drop into an existing VMware environment and automate the 'IP-ing' of VMs, to simplify the IP and DNS naming for automated resource creation and deletions, while keeping all IP information centralized and up-to-date in the IP Address Manager.

#### Eliminate the Need for Reserved VMware IP Blocks

The usage of the block of IPs for virtualization is typically invisible to the network administrator. The practice also violates the basic purpose of elastic resources. VMware has the capability to reserve a pool of IP addresses for use with VM deployments which works well for the VMware administrator. However, it is not uncommon for the pool to run out before the VMware administrator requests additional space, which creates a "fire drill" moment that can stall the business. Getting this information requires the VM team to work with the network team – which often incurs delays. With the Connector for VMware, vRealize Orchestrator is able to make direct calls against the IP Address Manager by BlueCat to secure IP addresses and DNS hosts to associate with deployed VMs or vApps.

#### Optimize Utilization of Scarce IP Addresses

Highly dynamic virtualized environments can very quickly use IP addresses, and are generally not as efficient at releasing unused addresses. Many organizations optimize their usage of IPv4 addresses before they move to IPv6, which can result in unexpected VM provisioning errors as IP addresses become unavailable. The Connector for VMware ensures optimal utilization of increasingly scarce IPv4 network space in highly dynamic VM environments including allocating and returning addresses quickly and efficiently.

#### Simplified Auditing and Powerful IP Oversight

The Connector for VMware allows the network team to understand what has happened to the IP addresses associated with virtualization. It also allows for centralized auditing of all IP related changes whether virtual or physical. This is an important consideration in organizations concerned with compliance and security related audits.

## BlueCat VMware Connector Highlights

The Connector for VMware is certified 'VMware Ready' and can easily be used with VMware's vRealize Orchestrator, vCloud Director and vRealize Automation. The Connector for VMware is transparent to virtualization admins – they do not need to change their approach or learn a new tool. The Connector for VMware enables virtualization admins to continue to easily provision new VMs and ensure that they are connected to the network, while providing the network team with the visibility and control they need over the organization's IP and DNS spaces.

### Provisioning

Allow users to easily provision new VMs so that they are network ready and immediately usable.

- Leverages the VMware interface that users are already using
- Automatically assigns IP based on chosen networks
- Provisions DNS names so that the VM is instantly usable
- Allows simultaneous provisioning of VMs for multiple environments and tenants

### Visibility

Users can track and audit provisioned addresses and hosts from a single point of control.

- Ensure IP addresses and DNS hosts are properly allocated
- Track all IP and DNS hosts centrally, whether virtual or physical
- See detailed audit history on every change
- Quickly see the relationships between IPs, VMs (MAC addresses) and DNS names

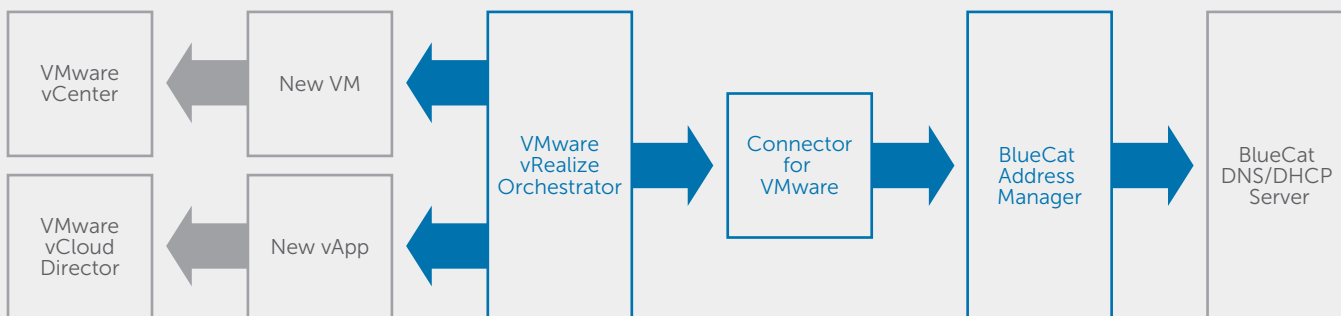
### Control

Limit access to virtualization networks and ensure that admins can only modify their environment.

- Use role-based access controls to assign change, view or block access to networks, IPs or DNS zones & records
- Allow only virtualization networks to be modified by VMware
- Prevent physical assets from being provisioned in virtual networks
- Ensure new addresses and hosts do not conflict with existing VMs

## How it works

The Connector for VMware provides integration between VMware vRealize Orchestrator and IP Address Management. It installs directly in vRealize Orchestrator and allows users to continue to work in familiar VMware interfaces with the benefit of direct access to the IP Address Management stack.



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