

# Infoblox Virtual Appliance Software for VMware®

## AUTOMATED DNS, DHCP AND IPAM (DDI) INFRASTRUCTURE

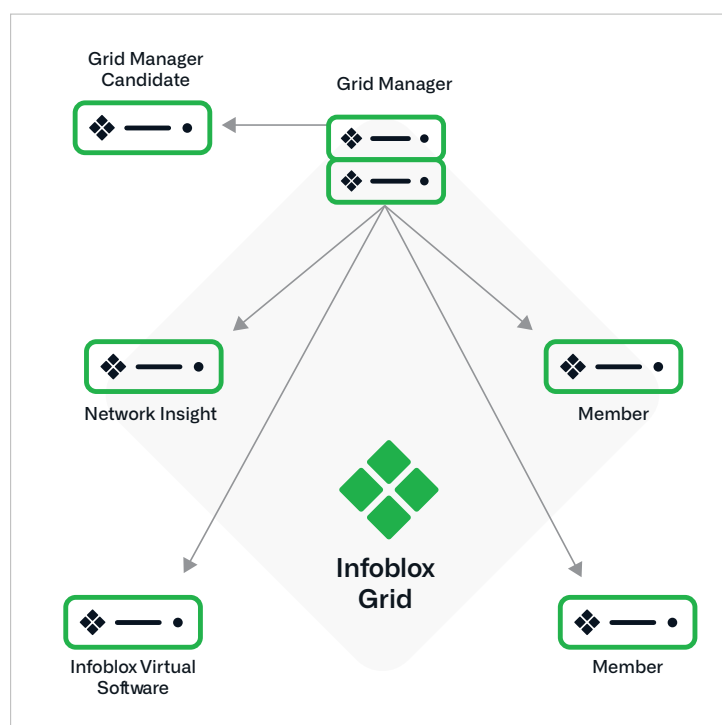
Infoblox Virtual Appliance Software for VMware leverages VMware virtualization technology, running Infoblox services and management features as a family of virtual appliances on VMware ESXi. It is fully integrated with the Infoblox Grid and supports mixed physical and virtual appliance deployments.

Infoblox Virtual Software for VMware is a full-featured software instance of Infoblox DDI and offers a full suite of core network services—including DNS, DHCP, IPAM, FTP, TFTP, HTTP and NTP protocol servers. Infoblox Network Insight and Infoblox Reporting Virtual Software for VMware provide unprecedented data and views to help administrators better manage their networks, validate designs, effectively provision, troubleshoot and deliver network services.

In addition to supporting iSCSI SAN and Direct Attached Storage, Infoblox Virtual Appliance Software for VMware has also been certified to run on Fiber Channel Network Attached Storage, including hosting of the disk image and vMotion support benefiting datacenter virtualization and cloud deployments that prefer a virtual network services appliance deployment, using new or existing Fiber Channel infrastructure for storage.

### SOLUTION HIGHLIGHTS

- Save power and environment by reducing the number of servers and appliances
- Lower TCO by saving hardware, power, cooling and real-estate costs
- Deploy easily using your standard virtualization practices
- Benefit from increased resilience and availability of VMware environments



Example of Infoblox Virtual Software for VMware deployed in an Infoblox Grid™



## Reduced Rack Space, Power and Cooling Requirements in the Data Center

Infoblox Virtual Software for VMware runs on existing hardware, saving equipment rack space and reducing power and cooling costs, enabling organizations to lower their Total Cost of Ownership (TCO) and build an environmentally friendly infrastructure.

## Increased Resilience and Availability

Infoblox Virtual Software for VMware replicates all the redundancy, high availability and disaster recovery features of Infoblox hardware appliances. Customers will gain all the proven reliability and uptime benefits of an Infoblox solution while taking advantage of the cost advantages of VMware virtualization.

The virtual appliances can be deployed on a VMware server just like any other virtual machine instance with no additional steps required.

## Improved Local Survivability at the Branch Office

Infoblox Virtual Software for VMware provides an easy alternative to deploying hardware appliances at the branch office while still providing highly available DNS and DHCP services.

## INFOBLOX VIRTUAL SOFTWARE IS KEY TO THE SUCCESS OF YOUR VIRTUALIZED INFRASTRUCTURE

### Automate IP Address Management (IPAM) for Virtual Resources

In a virtualized environment, servers are created, moved and shutdown frequently, increasing IT workload for configuring and managing IP assignments and DNS records. Infoblox DNS, DHCP and IPAM solutions provides management automation to reduce administrative effort and eliminate human errors that can cause application availability problems.

### Improve IPAM Visibility and Control

Infoblox Virtual Software for VMware IPAM provides advanced network discovery (including virtual resources), network and IP mapping, and advanced filtering through innovative features such as “Smart Folders.” An easy-to-use graphical user interface provides template-based configuration, automated error prevention, and real-time visibility monitoring and reporting.

### Delegate DDI Tasks to Relevant Owners

Infoblox Virtual Software for VMware provides secure role-based administration and auditing capabilities to allow effective delegation of responsibilities in a virtualized environment. With Infoblox IPAM tools the network and the data center or server teams can effectively collaborate and work together more effectively.

### Increase Visibility Into Infrastructure Device Data

Infoblox Network Insight virtual software for VMware integrates infrastructure device data with IP address management. The collection and correlation of this data provides unprecedented visibility to help administrators better manage their networks, validate designs, effectively provision, troubleshoot and deliver network services.

### Access Long-Term Trending, Reporting and Analysis

Infoblox Reporting leverages our unique platform for real-time views and management of DNS, DHCP, IPAM and Network Services Security to provide long-term reporting, trending and tracking. Integrated with our Grid™ technology, Infoblox Reporting & Analytics enhances real-time management of networks and network services through an extensive, customizable and historical reporting engine.

### Centrally Manage your Entire DDI Infrastructure

Each instance of the Virtual Appliance software running on a VMware hypervisor appears to the Infoblox Grid™ as any other Grid™ member, with all the benefits of distributed services and centralized management. This includes centralized backup and restoration of user data, DHCP failover capabilities, one-touch software upgrades, DNS without latency, and many other benefits of the Infoblox solution.

## SOFTWARE APPLIANCE SPECIFICATIONS <sup>1</sup>

TE-906, 1506, 1606, 2306, 4106 Software Appliances	
<b>Hypervisor (Private Cloud) supported</b>	VMWare ESXi, MS Hyper-V, Nutanix AHV, OpenStack and KVM
<b>Public cloud platform supported</b>	AWS, GCP, MS Azure and OCI

TR-5005 Software Appliance	
<b>Indexing capacity</b>	500MB, 1GB, 2GB, 5GB, 10GB, 20GB, 50GB, 100GB, 200GB, and 500GB
<b>Hypervisor (Private Cloud) supported</b>	VMWare ESXi, MS Hyper-V, Nutanix AHV, and OpenStack KVM
<b>Public cloud platform supported</b>	AWS and MS Azure

<sup>1</sup> **Hardware and Software Compatibility:** Because some models do not support SFP (Small Form-Factor Pluggable) interfaces, and some platforms may support a subset of appliances, please confirm compatibility with your account team or Infoblox Support.

## TRINZIC X6 SOFTWARE AND PERFORMANCE

Infoblox Trinzic X6 Appliances					
Appliance	TE-906	TE-1506	TE-1606	TE-2306	TE-4106
<b>Software Supported <sup>2</sup></b>	TE-926/825 /815 ND-906/805	TE-1516/1415	TE-1526/1425 ND-1606/1405 TR-5005/1405	TE-2326/2225/2215, ND-2306/2205 TR-5005/2205	TE-4126/4025/ 4015 ND-4106/4005 TR-5005/4005
<b>Hardware Redundancy</b>	<b>TE-906:</b> One AC power supply  <b>TE-906-2AC:</b> Two AC power supplies	Optional second hot-swappable redundant power supply  Field-replaceable hard disk	Two hot-swappable redundant power supplies  Field-replaceable hard disk in Redundant Array of Independent Disks (RAID)	Two hot-swappable redundant power supplies  Field-replaceable fans and hard disks in Redundant Array of Independent Disks (RAID)	
<b>Available with Optional Quad 10GE NIC Card with SFP/SFP+</b>	NA	Yes	Yes	Yes	
<b>Reporting and Analytics Indexing Capacity Per Day</b>	NA	NA	500MB - 10GB	500MB - 20GB	500MB - 50GB

<sup>2</sup> **Hardware/Software Compatibility and Capability:** Trinzic X6 appliances can host Trinzic X6 or X5 subscriptions. Infoblox products have cryptography technology capability.

Infoblox Trinzi X6 Software Performance					
Appliance	TE-926	TE-1516	TE-1526	TE-2326	TE-4126
DNS Queries per Second <sup>3</sup>	33.75K	67.5K	112.5K	250K	450K
DHCP Leases per Second <sup>3</sup>	225	400	675	1,200	1,500
CPU <sup>4</sup>	4 core	6 core	6 core	10 core	16 core
RAM <sup>4</sup>	32 GB	64 GB	64 GB	192 GB	384 GB
Storage <sup>4</sup>	1 TB	1 TB	1 TB	8 TB	16 TB
Hypervisor (Private Cloud) Supported	VMWare ESXi, MS Hyper-V, Nutanix AHV, OpenStack and KVM				
Public/ Multi-Cloud Platform Supported	AWS, GCP, MS Azure and OCI				

<sup>3</sup> The stated performance numbers are for reference only. They represent the results of lab testing in a controlled environment focused on individual protocol services. Enabling additional protocols, services, cache hit ratio for recursive DNS, and customer environment variables will affect performance. To design and size a solution for a production environment, please contact your Infoblox Solution Architect.

<sup>4</sup> CPU, RAM and Storage requirements can vary by public cloud platform, hypervisor and image type. To identify performance requirements for your production environment, please see the relevant installation guide for specifications and contact your Infoblox Solution Architect.



Infoblox unites networking and security to deliver unmatched performance and protection. Trusted by Fortune 100 companies and emerging innovators, we provide real-time visibility and control over who and what connects to your network, so your organization runs faster and stops threats earlier.

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