

# HyperIP for VMware

## Software WAN Optimization

### Introduction

HyperIP is a software WAN optimizer (virtual appliance) that runs within your existing ESX/vSphere infrastructure, improving the performance of storage replication and backup applications, as well as long distance vMotion and other bulk data movement technologies. These include applications from vendors such as EMC, NetApp, HP/LeftHand, Veeam, FalconStor, Dell EqualLogic, DataCore and many others. HyperIP mitigates TCP performance issues that are common when moving storage traffic over distance because of bandwidth restrictions, latency due to distance, router hops, packet loss and network errors. With HyperIP, your application will get LAN performance over the WAN, transparently.

### Customer Successes

The following are some of the customers that have benefited from the deployment and implementation of HyperIP WAN optimization appliances or virtual appliances:



### Supported Applications

HyperIP supports best-of-breed replication applications that operate from servers, NAS devices or storage arrays using GigE & IP infrastructures. HyperIP operates in pairs or one-to-many configurations. Please see our support matrix at <http://www.netex.com> for more information.

### VMware Virtual Machine Benefits

- Significant cost reduction for virtual appliances.
- Virtual Machine 'instances' are isolated from each other via the ESX/vSphere operating system.
- Virtual appliances operate independently from the underlying hardware platform.
- Provides a consistent infrastructure for disaster recovery processes.

### Virtual HyperIP Appliance Benefits

- Leverages a VMware virtual infrastructure.
- Increases vMotion transfer throughput by 1000%.
- Increases VMware View Offline check-out throughput by 350%.
- Supports SRM processes and procedures.
- Increases end-to-end throughput of storage replication applications by 3-10 times.
- Mitigates performance degradation due to distance latency and packet loss.
- Provides block level compression from 2:1 to 10:1.
- Increases WAN efficiencies by aggregating TCP data streams (8000+) from multiple applications.
- Provides storage Synchronization and Recovery on Demand features.
- Rate Controls for bandwidth management.
- Transparent to applications being accelerated.

### Software Solution Benefits

- No added hardware required for HyperIP installs.
- No added people costs for remote deployment, installation, configuration, or trouble shooting.
- No lengthy product lead times required.
- No shipping costs or delays in customs.
- No inventory or spares to carry.
- No extra rack space, power or network cabling.
- Scales from 1.5 Mb/s to Gig speeds with no hardware swap or fork lift upgrades required for higher bandwidths.
- Easy to add additional applications.
- Managed via product licensing keys.

## HyperIP for VMware WAN Optimization Software

