HyperIP DRO

Data Replication Optimization

Introduction

HyperIP is a Data Replication Optimizer (DRO) appliance that is used to boost the performance of storage replication applications, such as EMC SRDF/DM, SRDF/A, NetApp SnapMirror/Vault, Symantec Volume Replicator, Softek Replicator, and many others operating over standards-based (GigE and IP) networks. HyperIP mitigates TCP performance issues that are common when moving storage data over wide-area network (WAN) connections because of bandwidth restrictions, latency due to distance and/or router hop count and packet loss and network errors.

HyperIP DRO Benefits

- Increases end-to-end performance of remote data replication applications 3-10 times
- Utilizes 80-90% (versus 15-20%) of available bandwidth between data centers at up to OC12 rates
- Provides block level compression from 2:1 to 10:1 (up to OC3) depending on the data type and compressibility
- Mitigates or eliminates the effects of TCP WAN packet loss and/or network errors (up to 6%)
- Mitigates or eliminates performance degradation due to distance latency (up to 46,000 miles)
- Increases WAN efficiencies by aggregating multiple TCP data streams from multiple replication applications
- Provides "rate-limiting" from 1 Mbps to OC12 (by time of day)
- Accelerates and Protects Storage Data "In Motion"

Customer Successes

The following are examples of customers whom have benefited from the NetEx and storage vendor partnerships through the deployment and implementation of HyperIP DRO appliances:

Supported Applications

HyperIP supports many replication applications that operate from servers, NAS devices, CAS devices and storage arrays using GigE & IP. HyperIP has also been qualified with several VPN and encryption gateways for secure IP replication. Please see our application support matrix at www.netex.com.