Connectit
connectit.bz

VRX VIRTUAL SOFTWARE

20X FASTER REPLICATION IN UNDER 20 MINUTES

Silver Peak VRX virtual software makes replication acceleration easy and affordable. As part of the Silver Peak Velocity solution, VRX software combines award winning acceleration technology with flexible pricing to deliver 20x faster replication performance (on average) over any distance.

Best of all – deployment takes less than 20 minutes and requires no networking expertise or assistance.

When Silver Peak Velocity is combined with asynchronous replication solutions from leading storage vendors, the following benefits can be achieved:

- **Meet Recovery Point Objectives (RPO)** – Replicate more data in less time to remote locations.

- **Replicate more data** – With VRX you can protect all data, not just some

- **Replicate over longer distances** – Eliminate distance limitations between source/target devices.

- **Improve business continuity** – Maintain redundant data center(s) for hot failover.

- **Lower disaster recovery costs** – Eliminate costly dedicated networks for replication; avoid bandwidth upgrades.

LEADING TECHNOLOGY FOR REPLICATION ACCELERATION

The Silver Peak Velocity solution is built on the company's Virtual Acceleration Open Architecture (VXOA), which uses real-time optimization techniques to maximize replication performance over any existing wide area network (WAN) infrastructure. Specific VXOA capabilities include:

- **Increase replication throughput** due to congestion and poor network quality.

- **Maximize available bandwidth for replication** through byte level deduplication and compression

- **Replicate over long distances** by overcoming transport latency

A PRODUCT DESIGNED FOR YOUR REPLICATION NEEDS

Silver Peak VRX software is designed to seamlessly fit into your replication environment. It supports Silver Peak's full VXOA capabilities and is proven with all asynchronous IP replication solutions from Dell, EMC®, HDS, NetApp® and others.

Silver Peak VRX software comes in three models:

-VRX-2 supports up to 60 Gb / hour of replication traffic

-VRX-4 supports to 300 GB / hour of replication traffic

-VRX-8 supports up to 1.5 TB / hour of replication traffic

With Silver Peak Velocity, you can cost effectively meet your most stringent RPO by accelerating any replication environment.
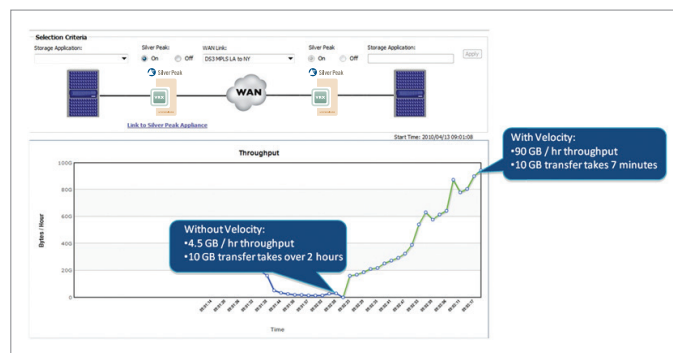

Figure1: Silver Peak Velocity increases replication throughput by 20x (average) over the WAN for faster and more reliable replication

SIMPLIFIED DEPLOYMENT

With Silver Peak VRX virtual software you can accelerate your replication traffic in under 20 minutes. No special networking expertise is required.

Step 1. Install Silver Peak VRX virtual software in the same locations as your source/target devices. They can be installed on any equipment with the hardware and software requirements listed.

Step 2. Go into your source and target storage devices and redirect traffic to the Silver Peak VRX devices. This typically only requires a few simple commands. Specific instructions vary by vendor, so please visit **www.silver-peak.com/solutions/Velocity** for short demonstrations on how to do this for different replication solutions.

Step 3. The replication traffic will automatically be forwarded over the WAN via Silver Peak and fully optimized along the way.

THE FAST TRACK TO A BETTER REPLICATION EXPERIENCE

In some instances, Silver Peak Velocity makes replication possible where it was not prior. A major electronics supplier, for example, could not complete replication at all without Silver Peak due to bandwidth, latency and packet delivery challenges on their WAN link between California and Massachusetts. With Silver Peak acceleration in place, they are replicating 85 TB of data in under 30 minutes.

In other instances, Silver Peak Velocity lowers replication times from hours or days to minutes without requiring upgrades to existing WAN infrastructures.

In all scenarios, by combining Silver Peak Velocity with leading replication solutions, you can meet your most stringent Recovery Point Objectives.

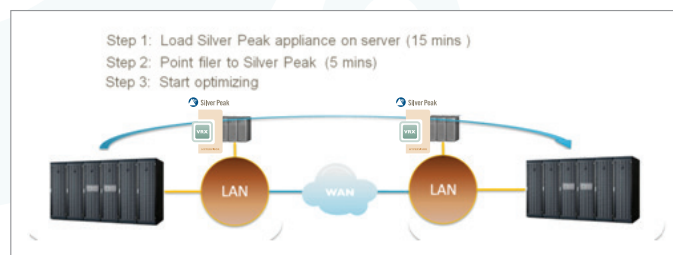For more information visit **www.silver-peak.com/Velocity**

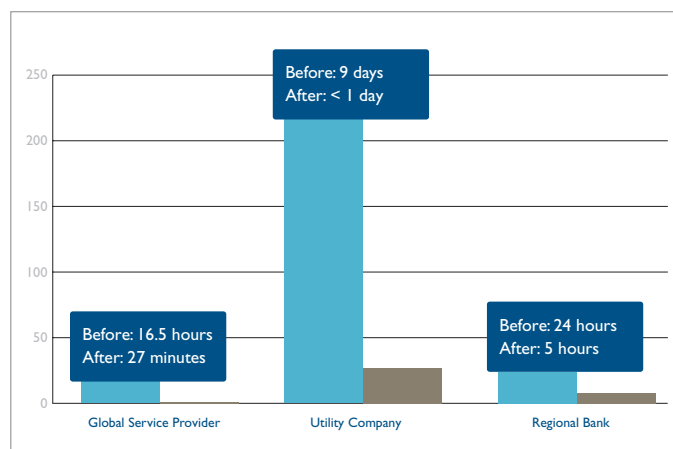Figure 2: Silver Peak Velocity can be deployed in three easy steps

Figure 3: Silver Peak Velocity helps companies of all sizes meet their RPO with faster, more reliable offsite replication

SPECIFICATIONS / REQUIREMENTS

	VRX-2	VRX-4	VRX-8
Replication Capacity	60 GB / hour	300 GB / hour	1.5 TB / hour
Minimum CPU	2	4	8
Minimum Memory	4 GB	7 GB	14 GB
Minimum Storage Capacity	30 GB	30 GB	30 GB
High Availability	Yes	Yes	Yes
Minimum Network Interfaces	1 Gbps Ethernet	1 Gbps Ethernet	1 or 10* Gbps Ethernet
Maximum WAN Rate Limit	20 Mbps	100 Mbps	1 Gbps
Supported Hypervisors	VMware vSphere, Microsoft Hyper-V, XenServer, KVM	VMware vSphere, Microsoft Hyper-V, XenServer, KVM	VMware vSphere, Microsoft Hyper-V, XenServer, KVM

*10 Gbps Ethernet recommended for VRX-8