StoneFly DR365V-HA™
Highly Scalable Hyperconverged Backup & DR Solution

Dynamically add performance, storage capacity or both to your high availability backup solution effortlessly

Dual Scalability of DR365V-HA

StoneFly DR365V-HA is a dually scalable high availability backup and disaster recovery solution. Available with storage capacities from TeraBytes to PetaBytes, the DR365V-HA also supports 12Gb SAS attached expansion arrays and has the ability to scale out in storage capacity and performance, or both.

DR365V-HA Hardware Architecture

The DR365V-HA hardware is disaggregated, redundant and modular.

Each DR365V-HA backup solution comprises of 2 x 1U HCI Controllers (or 2 x 2U HCI Controllers) and a RAID array.

HCl Controller
The HCI controller is a virtualization-enabled storage controller that let’s users deploy Virtual Machines (VMs), run applications and manage the storage resources in the backup and DR system.

RAID Array
The RAID array has built-in dual active/active RAID Controller (RC) and storage drives. StoneFly RAID arrays support RAID levels 0, 1, 3, 5, 6, 10, 30, 50 and 60 (supported RAID level depend on available drives and appliance form factor).

StoneFly hardware RC can support up to a maximum of 256 drives.

Supported Hypervisors
- Microsoft Hyper-V
- VMware ESX/ESXi
- Citrix Hypervisor (Formerly XenServer)
Adding Performance & Storage Capacity to DR365V-HA

To add both performance and storage capacity, users can add as many appliance nodes as necessary.

**Supported RAID Arrays**
(Integrated Dual Active/Active RAID Controller)

**12Gb SAS Attached**
- 12 x 3.5” 2U RAID Expansion
- 16 x 3.5” 3U RAID Expansion
- 24 x 3.5” 4U RAID Expansion
- 24 x 2.5” 2U RAID Expansion

**16Gb Fibre Channel Attached**
- 12 x 3.5” 2U RAID Expansion
- 16 x 3.5” 3U RAID Expansion
- 24 x 3.5” 4U RAID Expansion
- 24 x 2.5” 2U RAID Expansion

**Supported Expansion Units**
(EBOD)
- 12 x 3.5” 2U 12Gb SAS
- 16 x 3.5” 3U 12Gb SAS
- 24 x 2.5” 2U 12Gb SAS
- 60 x 3.5” 4U, Single Drawer, 12Gb SAS
- 60 x 3.5” 4U, Three Drawers, 12Gb SAS
- 90 x 3.5” 4U 12Gb SAS
- 108 x 3.5” 4U 12Gb SAS

**Supported Internal Drives**

**2.5” Drives**
- 10k SAS 900GB, 1.2TB, 1.8TB, and 2.4TB
- 15k SAS 600GB and 900GB
**12Gb SSD**
- 400GB, 800GB, 1.6TB, and 3.2TB

**3.5” Drives**
- 7200RPM SAS 4TB, 6TB, 8TB, 10TB, 12TB, 14TB, and 16TB
- 10k SAS 900GB, 1.2TB, 1.8TB, and 2.4TB
- 15k SAS 600GB and 900GB
- 12Gb SSD 400GB, 800GB, 1.6TB, and 3.2TB

Spin Up Virtual Machines & Applications Instantly & Directly

Failover seamlessly and directly to StoneFly DR365V-HA and spin up critical hosts, VMs and enterprise applications directly on the backup & DR appliance.

With features like Full VM recovery, Instant VM recovery, Replication, and Image-based snapshots the DR365V-HA can deliver Recovery Time Objectives (RTOs) and Recovery Point Objectives (RPOs) of less than 15 minutes.

Scaling Out with DR365V-HA

Adding storage capacity, performance, or both to StoneFly DR365V-HA is a simple process. Our experts guide you all the way and our technical support teams are available 24/7 to help out whenever needed.

Adding Performance & Compute to DR365V-HA

To add performance, users can add as many Storage Controllers (SCs) as necessary.

Adding Storage Capacity to DR365V-HA (Scale Up)

To add storage capacity, users can add as many expansion units (EBODs) as necessary.

Adding Performance & Storage Capacity to DR365V-HA (Scale Out)

To add both performance and storage capacity, users can add as many appliance nodes as necessary.
Maximum Storage Capacity

Each appliance node supports a maximum of 256 drives. When configured with 16 TB 7200RPM SAS, the maximum storage capacity per appliance node becomes 4096 TeraBytes or 4 PetaBytes.

Modular, Redundant & Fault-Tolerant Hardware

The HCI controllers, the RAID arrays, and the expansion units have redundant, high efficiency, and hot-swappable drives and power supplies.

Adding or removing a drive or a power supply in any of the backup & DR infrastructure is a tool-less and disruption-free process.