Competitive Advantage of
StoneFly DR365V™ Backup & Disaster Recovery Appliance

The DR365V™ Advantage

Legacy technologies designed for physical backups are incapable of delivering services required for hybrid environments such as virtual and physical. These technologies also do not offer enterprise-scale data services such as scalable performance and capacity on-demand, dedup, hardware-based encryption, snapshot, triple security for ransomware, malware and hacking, high availability, and virtualization to name a few.

Data protection and business continuity is a must-have for any organization. Some market solutions sound enticing but they end up trapping the customer in an expensive, closed and inflexible system. StoneFly’s Veeam-ready DR365V™ appliance has been designed to address these issues.

What makes DR365V™ better than the rest?

High Availability versus Legacy Backup

DR365V™ is a purpose-built appliance for the modern infrastructure. It is an optimized and tested appliance and is a complete turnkey solution that fits your needs of today and of the future. DR365V™ is highly scalable in both performance and capacity. The appliance provides backup and disaster recovery with integrated SAN, NAS, object storage plus full virtualization. DR365V™ can be easily integrated to your existing virtualization platform such as Vcenter (VMware) or System Center (Hyper-V). With DR365V™’s integrated storage services users can meet efficiency, security and data integrity challenges. DR365V™ also enables users to effortlessly meet aggressive SLAs for IT service recovery that can be measured in seconds and minutes versus hours and days.

With the powerful combination of StoneFusion™ and Veeam’s enterprise-level software, DR365V™ delivers RTOs and RPOs of less than 15 minutes ensures business continuity and high availability and reduces availability gaps.

Unlimited Scalability versus Rigid Infrastructure(s)

Unlike traditional backup technology, DR365V™ delivers an unlimited ability to scale-up and scale-out. Apart from that, together with Veeam, DR365V™ also offers Veeam cloud connect to Azure cloud (Commercial and Government Clouds). IT environments can easily scale-up/scale-out the on-premises infrastructure and they can choose to increase cloud backup resources with a single click and in minutes. DR365V™ makes scalability seamless and disruption-free. It isn’t just an on-premises infrastructure, it’s a flexible hybrid infrastructure leveraging the abilities of on-premises systems along with cloud based systems.

Simplicity versus Complexity

IT environments can leverage DR365V™ to have their data protection solution up and running in minutes. DR365V™ provides a near-effortless scalable architecture and deployment combined with a straightforward approach to licensing. StoneFly’s customers gain the freedom to focus IT staff to core business tasks because DR365V™ enables simplified and agentless management using Veeam’s enterprise level software.

Powerful Capabilities versus Lack of Important Features

With industry leading features such as instant, agentless recovery for tier-1 applications, built-in WAN acceleration, secure end-to-end encryption with lost password protection, snapshot technology, replication, and deduplication DR365V™ delivers unrivaled capabilities that traditional technologies cannot keep up with. While most vendors deliver unitasking products, DR365V™ is an all-in-one appliance that reduces overall cost implications and addresses variable IT environment requirements to ensure high availability and business continuity.
The combination of Veeam and StoneFly DR365V™ delivers highly efficient backup and recovery while minimizing CapEx and OpEx costs. Veeam effectively leverages DR365V™ snapshot technology simplifying operations and enhancing Recovery Point Objectives (RPOs) and Recovery Time Objectives (RTOs). Together Veeam and StoneFly DR365V™:

- **Reduce the strain of backup** on production environments via storage snapshot technology.
- **Quickly restore entire VMs**, file and individual application items.
- **Provision on-demand, isolated sandboxed copies of production environments** with just a few clicks for development, testing and troubleshooting.

**High Availability is our Forte**

StoneFly DR365V™ and Veeam together deliver solutions to meet modern service level objectives for data recovery of IT services, including their data and applications. Together DR365V™ and Veeam reliably secure and manage your VMware vSphere and Microsoft Hyper-V environments by delivering:

- **High-speed Recovery**: Fast and granular recovery of your workloads.
- **Data Loss Avoidance**: Reduced RTOs and RPOs with streamlined disaster recovery.
- **Guaranteed Recoverability**: Guaranteed recovery of every file, application or virtual server, every time.
- **Leveraged Data**: Low-risk deployment with a production-like test environment.
- **Enhanced Visibility**: Proactive monitoring and alerting of issues before operational impact.

**We make Backup & DR simpler and more efficient**

DR365V™ is a software-centric feature-rich appliance that accommodates all kinds of businesses (SMBs, SMEs and Large enterprises) with variable workloads. Together with Veeam, DR365V™ delivers end-to-end data protection for data centers as well as branch and remote offices.

Manual backups are slow, time consuming and complex. That’s why most organizations backup once a day or less. DR365V™ delivers automated backup and replication enabling users to backup as often as needed to meet demanding RPOs with little or no impact on the primary storage.

Leveraging snapshot technology, Veeam and DR365V™ significantly improve and simplify backup options with:

- **Agentless**, near continuous data protection.
- **Up to 20x faster backups** compared to other solutions.
- **Verified recovery of every VM** through automated recovery testing and reporting.

**Full-Featured Hybrid Backup Solution - On-premises + Cloud Technology**

DR365V™ provides cloud connect services to enterprise-level public clouds like Microsoft Azure, Amazon Web Services (AWS) etc. and to StoneFly’s private cloud. This built-in feature provides a fully integrated, fast and secure way to backup, replicate and restore from the cloud using Veeam’s software and your preferred cloud infrastructure.

StoneFly’s partnership with Microsoft Azure, enables our customers to setup their backups in Azure datacenters around the globe.
High-speed & Granular Data Recovery

Many IT organizations struggle to meet ever increasing demands for continual uptime and recovery whenever necessary. DR365V™ leverages the built-in snapshot technology for the recovery of individual files or full VMs quickly and without requiring lengthy provisioning or staging the VM from backup. As a result, users can find and restore exactly what they need to get business running again and reduce the risk of data loss.

The combination of Veeam and DR365V™ delivers:

- **Recovery of entire VMs, individual files or application items** from Microsoft Active Directory, Exchange, SharePoint and Office 365.
- **Transaction-level restores** of Oracle and Microsoft SQL databases and other applications.
- **Fully-integrated cloud-based DR** with Veeam Cloud Connect.
- Built-in WAN acceleration to get backups and replicas **offsite 50% faster** than standard file copy.
- Backup based disaster recovery with **single-click failover and failback**.

石飞DR365V™ - 备份 & DR 硬件

<table>
<thead>
<tr>
<th>VM</th>
<th>全 VM</th>
<th>活动目录对象</th>
</tr>
</thead>
<tbody>
<tr>
<td>宾客文件</td>
<td>网页文件</td>
<td></td>
</tr>
<tr>
<td>Microsoft Exchange Item</td>
<td>SharePoint Item</td>
<td></td>
</tr>
<tr>
<td>Office 365 Files</td>
<td>Oracle Databases</td>
<td></td>
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<tr>
<td>SQL Server Databases</td>
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</tr>
</tbody>
</table>

石飞DR365V™ - 支持的物理基础设施

- Windows Server
- Windows Server Essentials
- Linux
- Windows PC
- Mac

石飞DR365V™ - 支持的虚拟环境

- VMware vSphere
- Microsoft Hyper-V
- Citrix XenServer
- Red Hat Virtualization
- Linux KVM
- Oracle VM server

石飞DR365V™ - 支持的移动设备

- iPhone
- iPad
- Android

石飞DR365V™ - 支持的末端设备

- Windows PC
- Surface Family
- Mac

石飞DR365V™ - 可选升級

- DR365V™ 提供可扩展性能和容量

DR365V™ 可以设置为少量的 TeraBytes (TBs) 的存储容量，并可以扩展到 2.5 PetaBytes (PBs) 的备份和存储容量。扩展 DR365V™ 是快速且无干扰的。

每个 DR365V™ 硬件可以容纳任何组合的近线 SAS、企业 SAS，以及 SSD Flash 作为其缓存或存储层次为吞吐量。或直接存储为 IOPS 敏感的 VMs 作为灾难恢复 (DR) 的一部分。

通过增加节点 (扩展)，DR365V™ 聚合工作负载体积，并提供更高的性能与存储容量。通过利用此企业级可扩展性，用户可以轻松设置一个灵活的备份和灾难恢复计划。

石飞DR365V™ - 配备了经过实战考验、经证明的成熟第 8 代操作系统 - StoneFusion™

石飞 DR365V™ 支持 VMware ESXi 选择或 Hyper-V 许可证；或者他们可以选择我们的 BYOL（Bring Your Own License）选项。我们提供：

- VMware ESXi Essential, Essential Plus 或 Enterprise one node to 512 nodes.
- Integrated support for vSphere and vCenter.
- Hyper-V hypervisor support with integrated support for System Center.

可选升級包括：

- **Hardware RAID Controller with battery backup** - 分离存储
- **System Upgrades**：处理器、系统内存、网络连接性，可以随时升级。
- **Upgrades** to 16, 24, 45, 60 and 90 bay appliances.

石飞DR365V™ - 让许可证变得容易

石飞允许客户从我们或他们选择的 BYOL（Bring Your Own License）选项购买 VMware ESXi 或 Hyper-V 许可证。我们提供：

- VMware ESXi Essential, Essential Plus 或 Enterprise one node to 512 nodes.
- Integrated support for vSphere and vCenter.
- Hyper-V hypervisor support with integrated support for System Center.
### Comparing StoneFly DR365V™ with other vendors

<table>
<thead>
<tr>
<th>Capability</th>
<th>Description</th>
<th>DR365™</th>
<th>Others</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agentless recovery for Microsoft Active Directory</td>
<td>Search and restore for all Active Directory (AD) object types such as users, groups, computer accounts and contacts including user and computer password recovery. It includes multi-select restore and container restore, Group Policy Objects (GPO) restore, AD-integrated DNS records restore and configuration Partition objects restore.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Agentless recovery from storage snapshots</td>
<td>Restore individual VMs, guest files and application items from storage snapshots.</td>
<td>✓</td>
<td>x</td>
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<tr>
<td>Agentless recovery for Microsoft Exchange</td>
<td>Get instant visibility into Microsoft Exchange 2010, 2013, and 2016 backups for item recovery of individual Exchange items (emails, appointments, notes, contacts, etc.), online mailboxes and hard-deleted items. Leverage comprehensive e-Discovery functionality, including query-result, size estimation and detailed export reports. It also includes support for restore via save, send, PST export and back into the original mailbox.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Agentless recovery for Microsoft SQL Server</td>
<td>Restore individual SQL databases with ease, without needing an extensive SQL background or having to search for database and transaction-log files. This feature also includes point-in-time export of SQL database files locally, agentless transaction-log backup and replay, transaction-level recovery of databases and SQL objects (tables, stored procedures, views, etc.) back to the original or new SQL server.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Agentless recovery for Microsoft SharePoint</td>
<td>Get instant visibility into SharePoint backups with advanced search-and-browse capabilities for quick recovery of individual SharePoint items and entire sites. The feature also includes SharePoint item restore via save, send, export, entire-site restore, as well as restore to the original location.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Agentless recovery for Oracle</td>
<td>Restore Individual Oracle databases with ease, without needing an extensive Oracle background or having to search for database and transaction-log files. The feature also includes agentless, transaction-log backup, archived log management and transaction-level recovery of databases back to the original or new Oracle server.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Backup I/O Control</td>
<td>Allows you to set the maximum acceptable I/O latency level for production datastores to ensure backup and replication activities do not impact storage availability to production workloads. The feature includes a global latency setting and provides setting customization on a per-datastore basis.</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>End-to-end Encryption with lost password recovery</td>
<td>Secure backup data and network transfers with end-to-end AES-256 bit encryption - at source, in-flight, and at rest (tape) - without any negative impact on built-in compression and WAN acceleration data-reduction ratios. This feature also includes lost password protection.</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Built-in WAN Acceleration</td>
<td>Get backups off site up to 50x faster and save bandwidth with agentless Backup Copy jobs and replicas. DR365V™ supports any target including Veeam cloud connect.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Scale-out Backup Repository</td>
<td>Provide an abstraction layer over individual storage devices to create a single, unlimited virtual pool of backup storage for your backups.</td>
<td>✓</td>
<td>x</td>
</tr>
<tr>
<td>Veeam Cloud Connect Replication</td>
<td>Ensure Availability of your mission-critical applications with fully integrated, fast and secure cloud-based DR through a Disaster Recovery as a Service (DRaaS).</td>
<td>✓</td>
<td>x</td>
</tr>
</tbody>
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**About StoneFly**

StoneFly, Inc. (StoneFly) was founded as a venture-backed startup in April, 2006 to deliver on the vision of simple and affordable storage optimization and disaster recovery protection through IP Storage Area Network (IP SAN) solutions. Based in California, StoneFly is a subsidiary of Dynamic Network Factory, Inc. (DNF), a leading maker of high performance network attached storage (NAS), storage area networks (SAN), RAID and iSCSI systems.

In addition to IP Storage Solutions, StoneFly has developed a series of Unified Storage and Server (USSS™) and Unified Scale-Out (USO™) NAS products, providing a one stop solution to datacenter sprawl. StoneFly is a member of the Storage Networking Industry Association (SNIA) and a founding member of the IP Storage Institute (IPSI).
Now that you know that StoneFly's DR365V™ appliance delivers a number of unique services that ensure high availability and business continuity, it's time to say Good bye to legacy infrastructure and other service providers. Give us a call or send us an email and let us offer you a customized enterprise-level appliance for your mission critical workloads.