

# Disaster Recovery as a Service (DRaaS)

DRaaS solutions from Info Solutions and Green Cloud Technologies



According to US Census Bureau research, 93% of companies that lost their data for 10 days or more filed for bankruptcy within one year of a disaster; and 50% filed for bankruptcy immediately.

Yet, 56% of organizations in North America don't have a tested disaster recovery plan.

## RECOVERY OF YOUR MOST IMPORTANT ASSET.

Let's face it - things happen. Servers kick the bucket. Mother Nature wreaks havoc. And, yes, sometimes the data you thought you were backing up isn't actually backing up at all. Like Murphy's Law, if it can go wrong, sometimes it will.

Whatever the circumstance, data is the engine that powers most businesses. Perhaps, it is your company's most important asset. And, losing that data permanently - or even temporarily - can destroy a business through the inability to operate, loss of critical documents or failure to deliver a service or project.

We hang our hat on being disaster recovery experts. Our products are Cisco Powered, built on validated Cisco architectures. And with industry leading technology partners, like Zerto and StorageCraft, your data will be replicated and readily available when - or if - you need it.



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## DISASTER RECOVERY FOR ON-PREMISE ENVIRONMENTS.

ServeRestore, our cloud disaster recovery solution for on-premise physical servers, is often called our “better than backup” solution. Traditional backup approaches lack the flexibility and efficiency of virtualization, requiring manual, time-consuming backup and restoral processes or complex server failover configurations. That could take days.

With ServeRestore, our engineers pre-build a fully configured virtual environment for your data. When disaster strikes, we fully manage the recovery of your servers, configuring them to run within our cloud environment in just a couple of hours\*.

You continue to operate from our virtual environment for up to two weeks. Then, you can decide to stay in the cloud or purchase hardware and rebuild your on-premise environment. The choice is yours. However, to date, 100% of businesses who have failed over to a virtual environment have chosen to remain there permanently.

### RECOVER IN HOURS, NOT DAYS.

While traditional backup may take days to recover, ServeRestore can restore your on-premise data in a virtual data center in just a few hours. Take a look at your recovery time objective (RTO) and choose an option that best fits your needs.

Restoration Guidelines

**Servers 1 - 5: Up to 4 hours**

**Each Additional 5 Servers: 1 hour**

### REAL-WORLD SERVER RESTORATION SCENARIOS

	<b>Example A</b> Law Office: 5 Servers Total Data: 500G	<b>Example B</b> Non Profit: 10 Servers Total Data: 1TB	<b>Example C</b> Medical Office: 20 Servers Total Data: 2TB
<b>Servers 1 - 5</b>	<b>4 hours</b>	<b>4 hours</b>	<b>4 hours</b>
<b>Additional Servers</b>	-	1 hour	3 hours
<b>Recovery Time Objective (RTO)</b>	4 hours	5 hours	7 hours



## DISASTER RECOVERY FOR VIRTUAL ENVIRONMENTS.

ExpressRestore, our disaster recovery solution for virtualized environments, is powered by Zerto, the industry's most comprehensive hypervisor-based data replication solution for VMware vSphere. It offers a faster recovery and RTO with production-class replication targets for SSD, SAS or SATA per virtual machine.

We provide a Zerto graphical user interface allowing the customer to initiate recovery directly into our hosted VMware environment. With easy point and click technology, the customer can select any VM to replicate and boot up in Green Cloud's data center.

At any time, the customer can perform failover and fail-back testing using the self-service portal at no additional cost. And our engineering team will help ensure all networking is preset to your specifications. This pre-configured direct connection allows for a simple, fast recovery and management in as little as 15 minutes.

### THE 3-2-1 RULE FOR BACKUP AND REPLICATION.

The 3-2-1 rule is a simple, best practice method for preventing data loss in any scenario. It suggests having:

**3** Three copies of your data:  
one production copy, two backups.



**2** Two different forms of storage media  
(i.e. tape, NAS, or offsite).



**1** One backup located offsite.



Find out how Green Cloud's disaster recovery solutions, as well as our new backup service, can help provide a 3-2-1 scenario for your data.

*For more information on our new backup solution, go to [www.gogreencloud.com/backup](http://www.gogreencloud.com/backup).*

## DATA CENTER SPECIFICATIONS

Features	Specifications
Locations	Greenville, SC (Immedion) Nashville, TN (Peak 10)
Certifications	SSAE16 SOC 1 Type II Uptime Institute Tier 3

## PRODUCT SPECIFICATIONS

Features	ServeRestore Specifications	ExpressRestore Specifications
Storage	NetApp FAS32xx Series Filers with RAID-DP Tintri VMstore™	<b>NetApp Clustered ONTAP</b> <b>NetApp 7 Mode ONTAP</b> <b>Tintri VMstore™</b>
Software	VMware vCloud StorageCraft ShadowProtect	VMware vCloud Director Zerto
OS Supported	Windows Server 2003 (R2), 2008 (R2), 2012 (R2)	Any valid VMware supported OS
Hypervisors Supported	NA	VMware* Hyper-V**
SQL Server Versions Supported	2005 SP4 and newer.	
Exchange Versions	2003 or newer (SBS not supported)	
File Level Restore	File level restore capabilities available locally using provided StorageCraft tools or at \$150 per incident via Green Cloud Support.	
Bandwidth Requirements	Minimum of 1M upload.	
Remote Connectivity	RDP, SSL VPN and IPSEC Site to Site VPN	RDP, SSL VPN and IPSEC Site to Site VPN
Encryption	Data is encrypted when transferred and stored data can also be encrypted at customer request.	
Licensing	Microsoft Windows Server OS licenses for recovery in our cloud  StorageCraft ShadowProtect Licenses	Microsoft Windows Server OS licenses for recovery in our cloud  Zerto licenses for all protected VMs.  NetApp ONTAP and Tintri OS licenses for source devices not included.

\*Vsphere Enterprise Edition with vCenter required for Zerto options.

\*\*Hyper-V only supported with San-to-San replication without cloud recovery.

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