

DISASTER RECOVERY SOLUTION



PROTECTION OF YOUR MOST IMPORTANT ASSET

Disaster can take many forms: fire, flood, tornado, sabotage, hacking... even simple human error can be disastrous. For organizations of any kind, one of the most vulnerable assets in the event of a disaster is their data.

Regardless of the circumstances, a catastrophic loss of business-critical data can permanently destroy an organization's ability to operate. Even a temporary data disruption can have a major impact on its chances for survival. Most physical property can be replaced; data cannot be so easily recovered unless the organization has made investments in a disaster recovery or backup plan.

The experts at Green Cloud Technologies are your safety net in such an event. Our products are Cisco Powered and built on validated Cisco architecture, and with industry-leading technology partners such as Zerto and Veeam, your data is readily available when you need it.

THE NUMBERS

90%

of businesses that do not have a recovery plan could not survive a disaster

33%

of businesses were not prepared for a disaster, despite having a recovery plan

12%

of businesses were completely unable to recover their data after an attack

Source: <https://solutionsreview.com/backup-disaster-recovery/-by-the-numbers-improve-on-2017-disaster-recovery-practices/>

DISASTER RECOVERY WITH ZERTO

Disaster recovery (DRaaS) with Zerto is powered by 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.

A Zerto interface allows you to initiate recovery directly into our hosted VMware environment. With easy point-and-click technology, you can select any VM to replicate and boot up in our data center. At any time, you can perform failover testing using the self-service portal at no additional cost.

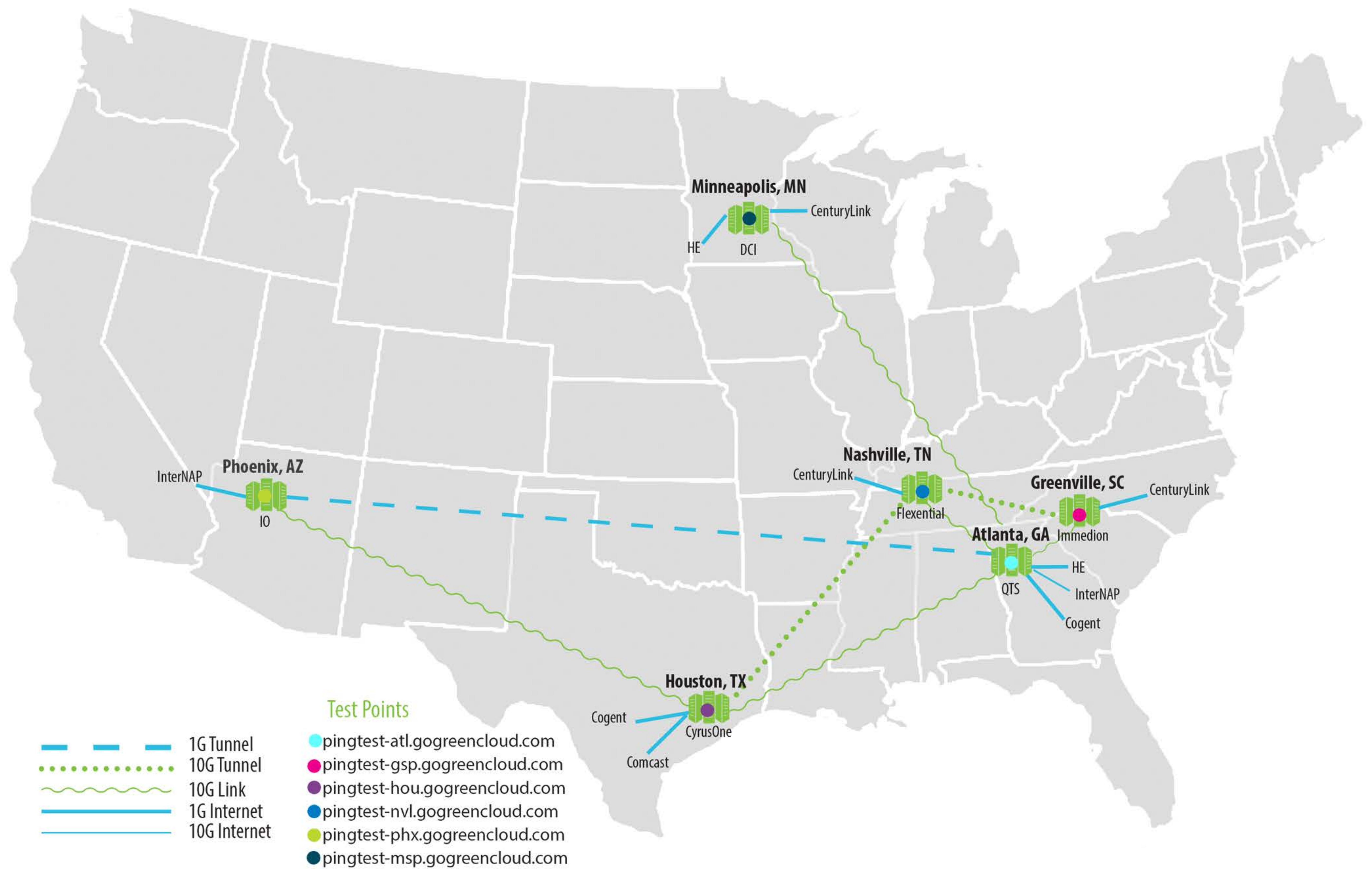
In addition, our engineering team ensures all networking is preset to your specifications. This pre-configured direct connection enables simple management and recovery in as little as 15 minutes. We recommend this DR option for your mission critical data.

DISASTER RECOVERY WITH VEEAM

DRaaS with Veeam utilizes Cloud Connect to establish a connection from the tenant's on-premise Veeam Backup & Replication (B&R) Server to Green Cloud's Veeam Service Provider instance. The tenant then protects their servers by constructing Veeam Replication Jobs targeting their Cloud Repository. In the event of a disaster, the tenant has immediate access through their local Veeam B&R installation restore their Replicas into Green Cloud's vCloud Director recovery site.

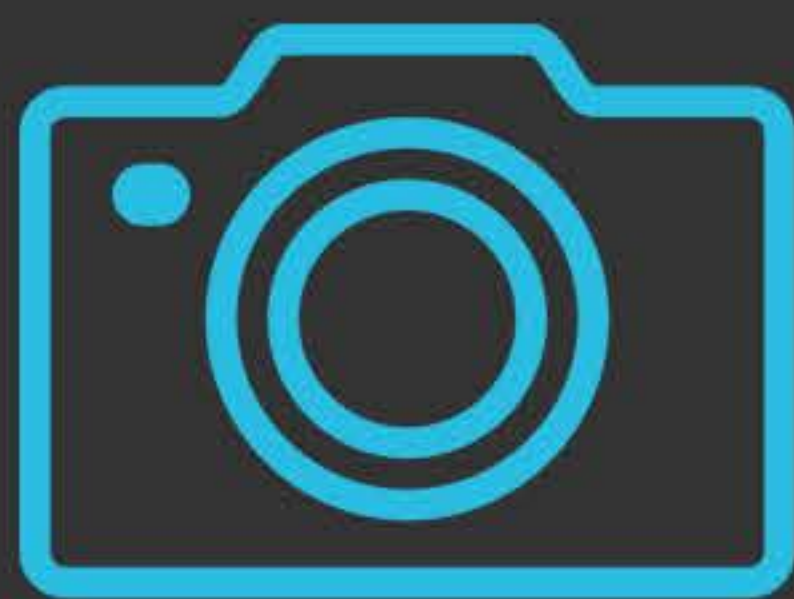
With DRaaS with Veeam, we can offer a full disaster recovery solution that is not based on continuous replication, but rather on scheduled replication jobs. DRaaS with Veeam fully protects a tenant's critical infrastructure while remaining low-impact and affordable.

OUR NETWORK



A SOLUTION FOR YOUR BUSINESS NEEDS

When choosing a business continuity solution, it's important to understand the differences in the data recovery and replication options available.



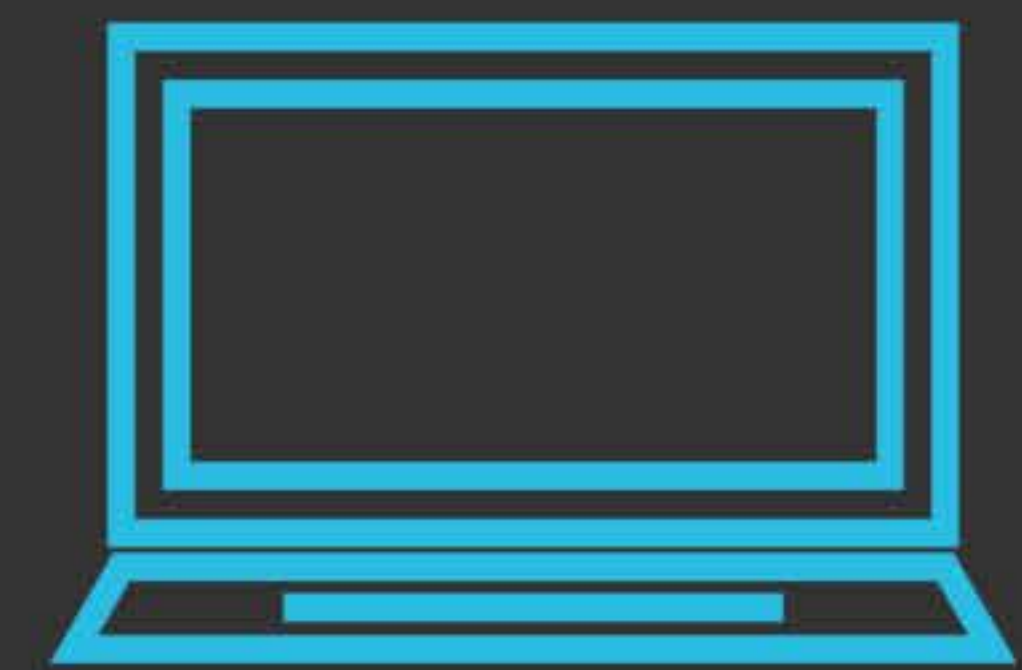
SNAPSHOT

A snapshot is a point-in-time "picture" of the state of a virtual machine's disk(s). Individual files cannot be retrieved from a snapshot.



REPLICATION

Replication is the practice of copying data from one location to another to maintain a mirrored version of the machine on separate media.



BACKUP

A backup is a full copy of the virtual machine's data and applications, taken while the VM is in a prepared state and usually saved separately.

CONFIGURABLE

- Number of protected VMs
- Recovery IaaS VDC environment
- Amount of compute (reserved or non-reserved)
- Amount of storage required in destination VDC, per storage profile (archive, standard, premium)
- Data center location
- Network bundle (device + bandwidth + IP)

* Note: If source and destination are both Green Cloud, then inter-city bandwidth is required

INCLUDED

- Installation support and initial setup
- Initial test failover with our assistance
- Support for VMware hypervisor only (Hyper-V not supported)
- Zerto/Veeam licensing for all protected virtual servers
- Microsoft Windows Server OS licenses for recovery in the Green Cloud infrastructure
- Remote connectivity via RDP, SSL VPN, and IPsec VPN (depending on chosen network bundle)

REQUIRED

- Customer VMware environment must have vCenter deployed with VMware Essentials or greater
- Bandwidth between customer premise and the data center must be sufficient to manage replication and also production traffic in the event of a failover. We recommend 10Mb/s + for replication
- Customer is responsible for network configuration changes, such as DNS, IP changes, etc. on the protected side as part of the failover process

	Min RTO	Min RPO	Retention	Automatic Failover	Failover Testing	Snapshot Stun of VM	One to Many Replication	Premise Integration	BCP Tier Best Fit	Price
DRaaS W/ VEEAM	15 min	15 min+	Weeks	Yes	Yes	Yes	No	Veeam B&R	Tier 2, Limited Tier 1	\$
DRaaS W/ ZERTO	15 min	Seconds	24 hours	Yes	Yes	No	Yes	ZVM/ vCenter	Tier 1	\$\$

