CenturyLink ®
Business

DATA SHEET

Disaster Recovery-as-a-Service (DRaaS)

Disaster Recovery Comes with Many Challenges and Costs

In an era when most organizations simply cannot function without access to their core IT systems, CIOs recognize the need for off-site data center protection. Yet the challenges and costs of conventional disaster recovery can be staggering. They can include:

- Provisioning and operating a remote data center
- Maintaining dedicated remote virtual infrastructure at the protection site
- Maintaining redundant OS and application licenses
- Provisioning dedicated high-speed data links to the protection site
- Architecting and managing inter-site security

Ultimately, the problem is that a single organization must bear the entire capital and operating costs of dedicated IT systems in a remote location. And, these systems remain unused except in cases of disaster.

Get Better DR Functionality for Less Cost

Now SafeHaven® for CenturyLink Cloud helps change the disaster recovery paradigm and helps protect your business from disruptions at a lower total cost of ownership. You can protect your production virtual servers that reside in your internal data centers with replica instances that reside within CenturyLink Cloud. The costs of CenturyLink infrastructure are amortized across multiple subscribers, so organizations benefit from a much lower cost structure. More importantly, the replica servers in the CenturyLink cloud are only activated in the case of a disruptive event, so operating costs are even further reduced. Finally, there is no need to provision duplicate OS and application licenses — the production licenses are activated in the cloud upon failover.

CenturyLink DRaaS Advantage

- Near instantaneous failover and failback — limited only by boot-up times for protected VMs
- Lossless VM migration between the customer site and the CenturyLink cloud
- Continuous data protection with up to 2048 checkpoints
- Capability to perform non-disruptive failover tests as needed
- Multi-OS support for virtual servers
- Failover/rollback/failback scoping from individual servers to entire sites
- Full featured multi-tiered security of CenturyLink Cloud
- IT Consulting: strategy, design, implementation, test
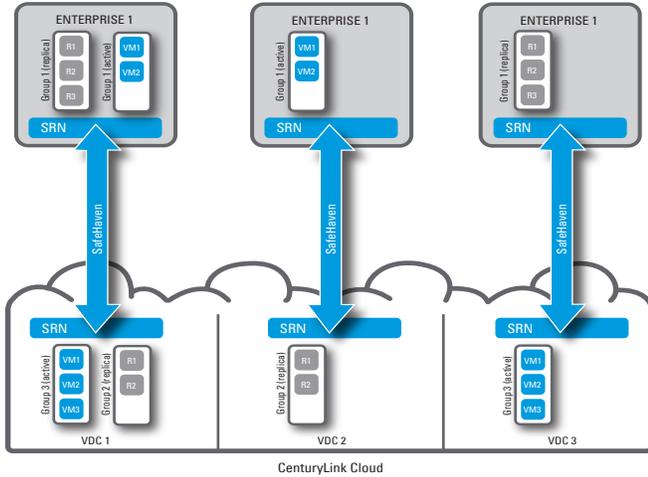
Dedicated Site to Public Cloud

Figure 1 Dedicated Site to Public Cloud

Public Cloud to Public Cloud

Figure 2 Public Cloud to Public Cloud

Figure 1. Traditional IT disaster recovery is frustratingly expensive because it requires a dedicated recovery site. SafeHaven changes all this. An enterprise can simply provision a virtual data center within a selected multi-tenant cloud and install SafeHaven to protect its production data center. A huge benefit is that the capital and operating costs for the recovery site are now shared across a large subscriber base. Further, SafeHaven can keep recovery resources in the cloud "parked" (i.e., powered off with no memory or CPU reserved) until or unless a disaster occurs. This further reduces costs for the enterprise. Meanwhile, it only takes a few minutes to recover IT systems in the cloud. When used for recovery of private data centers in the public cloud, SafeHaven provides automated inter-site migration, failover, failback, rollback and live recovery testing, all with support for group consistency and scripted recovery plans.
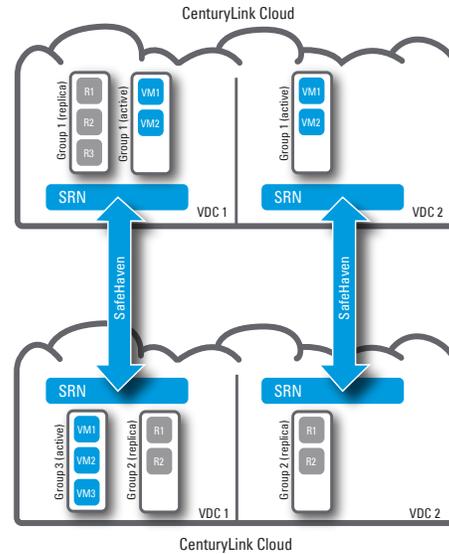
Figure 2. While multi-tenant clouds can reduce cost and improve efficiency of IT service delivery, enterprise subscribers are sometimes unwilling to use them for business critical applications. If the public cloud becomes unavailable for any reason, the enterprise user is both without core IT services and without any direct means to restore them. SafeHaven changes this risk equation in a fundamental way. An enterprise user can provision production and protection virtual data centers and use SafeHaven to provide disaster protection between them. When used in this way, SafeHaven provides automated inter-site migration, failover, failback, rollback and live recovery testing, all with support for group consistency and scripted recovery plans.

Comprehensive BCDR Solutions: Mitigate Risk and Protect Your Brand from a Disaster

CenturyLink delivers a broad spectrum of Business Continuity & Disaster Recovery (BCDR) services that can provide your organization with comprehensive protection of your IT information and infrastructure. Our team can assess, design, validate and perform ongoing audit and failover testing to help ensure continuous safeguarding of your critical applications and data.

Mitigate risk and protect your brand from the damaging effects of a disruptive event by leveraging the CenturyLink global team of resiliency service professionals. The CenturyLink team can identify which of your critical applications are most at risk while also deploying the recovery solution best able to protect them according to your priorities. The team can also ensure regulatory compliance and security while providing your business peers with peace of mind that your customers will be protected in the case of a disaster.

With CenturyLink BCDR solutions you can:

- **Implement a BCDR plan customized to meet your business needs**: Mitigate financial and operational risk, protect your brand, and provide your customers with continuous access to critical systems and information. Leverage a comprehensive BCDR solution – strategy, design, implementation, test – including, proven processes and methodologies to implement a BCDR plan customized to address your business needs.
- **Manage budget pressures**: Eliminate capital expenditures and reduce operational costs with a hosted tiered-solution. Lower TCO, improve operational flexibility, and enhance recovery performance with CenturyLink DRaaS.

- **Bridge resource and skill gaps**: Leverage technical skills that provide advanced BCDR processes and methodologies. CenturyLink expert resources have practical, hands-on experience implementing effective and measurable BCDR solutions.
- **Meet regulatory requirements (SOX, HIPAA, PCI)**: Deliver processes and procedures that help meet compliance needs.

A History of Success

We have helped our customers — including leading healthcare, financial services, advanced technology, manufacturing, and retail companies — mitigate risk while protecting their brands from the potentially catastrophic impact of major service disruption events. Contact us at consulting@centurylink.com for a free one hour consultation to see if CenturyLink BCDR services are right for you.

About CenturyLink Business

CenturyLink, Inc. is the third largest telecommunications company in the United States. Headquartered in Monroe, LA, CenturyLink is an S&P 500 company and is included among the Fortune 500 list of America's largest corporations. CenturyLink Business delivers innovative private and public networking and managed services for global businesses on virtual, dedicated and colocation platforms. It is a global leader in data and voice networks, cloud infrastructure and hosted IT solutions for enterprise business customers.

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