

Virtualized Disaster Recovery



PRACTICAL AND RELIABLE DISASTER RECOVERY

A cloud-based disaster recovery (DR) solution gives customers the protection they are looking for from a DR solution without the cost or the complexity of maintaining the server, networking, and facility infrastructures at a secondary site. We can replicate data and operating systems from a customer's production environment into a managed cloud computing environment at a Terremark facility and give customers the ability to failover their IT operations to a production-ready environment in case of a catastrophic outage at their primary facility.

MINIMIZE COST AND MAXIMIZE RESOURCES

Replicating into a managed cloud-based computing environment requires much lower capital expense and ongoing management complexity compared to building and managing your own DR infrastructure. Our experts deliver proven solutions that deliver reliable, repeatable, and predictable recovery with resources guaranteed to be available when you need them and Recovery Point Objectives (RPO)/Recovery Time Objectives (RTO) from seconds to hours, depending on customer requirements.

ARRAY-BASED REPLICATION

Array-based replication is best suited for environments with large numbers of physical and/or virtual servers. Many of Terremark's largest Fortune 1000 customers rely on array-based replication into Terremark's proven DR framework to provide full datacenter protection. Terremark will provide an equivalent disk array with compatible replication protocol in our facility to replicate data into, and we will provide a server resource pool that the customer can failover into in case of a DR scenario.

The advantages are that the customer does not have to purchase an identical disk array, server, network and facilities resources for a secondary site, and we wrap our implementation best practices and management tools around the replication and failover process, leveraging the collective knowledge and experience of hundreds of customer environments. As an additional option, we also support VMware Site Recovery Manager (SRM). VMware Site Recovery Manager automates the replication and failover processes between VMware sites. SRM only supports array-based replication today.

HOST-BASED REPLICATION

For environments that have a smaller number of servers and either can't or don't want to use SRM but need reliable and cost effective recovery, Terremark's Host-Based Replication Service is an ideal solution. This service is available for both virtual and physical servers and enables recovery of individual servers and applications on our utility computing platform. The customer will still benefit from the cost savings of a cloud model, and they offload the task of designing, implementing and operating the DR site resources and the replication/failover process. The additional advantage of Terremark's hostbased replication approach is that our service replicates the entire virtual machine, not just the data.

ENABLED BY THE CLOUD

Terremark's virtualized infrastructure eliminates the complexity and expense of building your own DR infrastructure. Working together with strategic technology partners including VMware, HP, and Cisco, we've designed a multi-tenancy infrastructure that offers revolutionary levels of flexibility and scalability.

Instead of investing in costly servers, the cloud allows you to configure and deploy processing, memory and storage capacity on demand. You can purchase capacity and virtual machines for your secondary site, but keep the resources turned down until an event where you need to fail over. The cloud's architecture ensures your resources are always available and ready to be turned up.



DISASTER RECOVERY EXPERTISE

Terremark's Advanced Data Services division is widely recognized for helping government and commercial customers architect and implement data storage, data protection and data availability systems. Our storage and availability specialists have a focused expertise in data storage subsystems (SAN and NAS), data storage networks, backup and recovery, tape automation, clustering and replication, datacenter virtualization and disaster recovery. Many of our customers have used our proven disaster recovery framework for over 5 years to successfully protect their IT operations from unforeseen catastrophic events. Our philosophy is to partner in our customers' success by working to understand their goals, recommend the best strategies and products available regardless of manufacturer, implement solutions, and build the knowledge and confidence of our customers' staff.

A RECOGNIZED LEADER

Terremark Worldwide, Inc. (NASDAQ:TMRK) is a leading global provider of IT infrastructure services delivered on the industry's most robust and advanced operations platform, leveraging data centers in the United States, Europe and Latin America and access to massive and diverse network connectivity.

Terremark delivers government and enterprise customers a comprehensive suite of managed solutions including hosting, colocation, connectivity and security services.

Terremark is placed in the Leaders Quadrant of the Gartner Magic Quadrant for Web Hosting & Hosted Cloud System Infrastructure Services (On Demand), 2009.