



# Azure Site Recovery

## CLIENT OVERVIEW

Our client is a prominent player in Information & Technology industry. They provide IT products & services to enterprises of all sizes to harness the latest developments in Information Technology. They focus on leveraging their clients' productivity, competitive position and profitability by providing expertise and solution in the IT field for more than two decades.

## BUSINESS NEEDS

The business now operates with fewer physical and virtual servers. They looked at but rejected the off-site disaster recovery through SAN replication possibility, as it was too expensive to spend on hardware and software that would only be used in the event of failure.

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*"Kryptos team worked along with the client's team to analyse the possibilities for off-site disaster recovery. The detailed discussion with the IT Manager and Finance Director helped to gain deep understanding of the impact of IT outage and their business needs"*

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## SOLUTION

After spending time with the client's team and analysing their requirement, Kryptos recommended Microsoft Azure Site Recovery, a cloud based disaster recovery solution.

*Microsoft Azure solution provides enormous advantages in terms of cost benefit ration and it alleviates the challenge of recovering individual or the entire servers to an off-site location without any hindrance.*

Also,

- It orchestrates and automates replication and failover to either Azure in the cloud or a secondary site.
- Monitors the state of protected instances continuously and remotely from Azure.
- Encrypts all the communication with Azure even the data - at-rest.
- Significant resource savings with higher performance and reliability.

## WORKING METHODOLOGY

Azure DR solution automates the orderly recovery of services to occur within minutes of a site outage at the primary data centre. Virtual machines could be brought up to help restore services quickly, even for complex multi-tier workloads operating the customer facing systems.

The Azure management portal made the Recovery plan creation easy, where they are stored. Software defined networking was a key part of the solution, as the existing network had been mapped to the recovery site in Azure, allowing for automatic recovery. These recovery plans can now be tested on a regular basis, without disrupting the key services being used every day.

## BENEFITS

**"Quality Service, Reduced cost, On-time support"**

By adopting the Microsoft Azure backup and recovery solutions, business has been able to deliver better protection for their critical business applications, reduce disaster recovery times and save on data protection costs. By automating data protection with Microsoft Azure Backup and Recovery solutions, the business is no longer involved in the old tape rotation management nightmare.

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*The end result has increased the safety of the customer's core business and reduced significant overhead costs.*

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## SITE RECOVERY ENVIRONMENTS

Kryptos identified and met the specific objectives that were needed for the project to be successful, these include:

- Ability to recover the entire environment to and from Azure Site Recovery.
- Protect a mixture of environments involving both **physical and virtual machines**.
- Businesses with on-premises, hybrid or cloud-based systems can use recovery services in the **Microsoft Cloud and configure the disaster recovery plan to work with a backup site or data centre**.

**Configurations examples** include: • Replicate on-premises VMware virtual servers to Azure or a backup site. • Replicate Hyper-V machines in virtual machine manager clouds to Azure or a backup site. Replicate Hyper-V VMs (not managed by VMM) through Azure Recovery Services.

## About Kryptos Technologies

Kryptos is the leader in Managed Services, transforming and aiding technology services providers into modernise their service offerings. Our services enable organizations to focus on what they do best; and put focus on what makes them successful. Our focus on cloud technologies makes us a leader in our field and we help others achieve the same. We make Cloud Simple.



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