X10
TECHNOLOGIES

BACKUP REPLICATION AND DISASTER RECOVERY

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Downtime is real. It's not a question of it, but when the business will lose data. Moreover, it is very costly. It is not a surprise that **40 percent of all businesses close their doors permanently after a disaster or major data loss**. With the increasing growth of data, it is important to have a continuous review of how it is protected and managed in order to improve your capability in recovering from business interruption.

Ensuring your organization can resume operating in case of a disaster, and deploying a solution that incorporates a local and cloud component that provides the recovery assurances are essential to all of the organizations in any scale. **X10 Technologies can help you architect the appropriate plan for your business and get the backup and business continuity solutions that you need.**

Developing and maintaining a complete Disaster Recovery (DR) strategy for your business is very critical. It needs operational planning and the right technology to get things right and X10 Technologies can guide you throughout this entire process, from start to finish.

We strongly believe that the key to having a workable DR strategy begins with defining how much downtime the business will allow for each application on service. The following step would be finding a solution that matches those requirements.

The DR Assessment is a fast and reliable way of assessing your existing environment and capabilities. It also determines the following steps that are required to improve your disaster recovery capability.

Questions for consideration:
- Are you presently meeting your backup levels?
- When was the last time you tested your backup and DR processes?
- When will you exhaust your existing backup storage capacity?
- Do you have a cloud strategy for your backup data for its long term retention?

Deliverables:
- Improvement plan that can be exhausted with no further investment.
- Suggested options for the architecture improvement of your data management and backup solution

BACKUP REQUIREMENT ASSESSMENT AND REVIEW OF CURRENT BACKUP STRATEGY

- Understanding customer requirements for business continuity from both legal and practical perspectives
- Gathering information on mission-critical workloads, possible sources of downtime, implemented backup strategies, and restore point and time objectives

ASSESSMENT OF EXISTING IMPLEMENTED BACKUP SOLUTIONS

- Evaluation of existing implemented disaster recovery software and, understanding it's functionality to the business continuity requirements
- Providing recommendations according to available budget, required functionality and available market offerings

ASSESSING BACKUP INFRASTRUCTURE

Virtual or Physical machine backup and recovery is on I/O intensive task, meaning production workloads may suffer if the backup infrastructure is under provisioned or misconfigured. Infrastructure bottlenecks may affect backup and restore times as well as disrupt the production.

GRANULAR ITEM RECOVERY TESTING

Restoring an entire VM is a resource intensive task and not often as most of the time users might only need a single item to be restored whether it's a file, an email, an Active Directory item or an SQL database. It is important to take into consideration the backup software functionality to avoid staging operations overheads.

BACKUP FOR CLOUD WORKLOADS

Veeam Backup for AWS is a solution developed for protection and disaster recovery tasks for Amazon Simple Storage Service (Amazon S3) for high availability, cost-effective and long term storage. In addition to image-level backups, you can protect your data by creating and maintaining a chain of cloud-native snapshots of EC2 instances.

DISASTER RECOVERY ORCHESTRATION

Meet disaster recovery compliance requirements - generate and automatically update documentation for DR procedures to eliminate the problem of outdated DR plans.

Automate DR procedures- create workflows that orchestrate failover and restore operations for Veeam Backup & Replication backup and replicas.

Prove recoverability- build test schedules to automate verification of failover and restore plans. with isolated and low-impact testing of VM backup, replicas and applications they run.

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INNOVATIVE SOLUTIONS

AROUND THE GLOBE

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