

Central Networks & Technologies Ltd - Microsoft Azure Site Recovery and Backup



Crown
Commercial
Service

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Central Networks and Technologies Ltd (Central) was founded in September 1991 by Christopher Mycock. In the earlier years Central was responsible for running the core ICT systems for many of the

UK Magistrates Courts Services, which involved moving and hosting the mainframes and employing staff via TUPE. We also have a focus in the Housing Association and not-for-profit sector. In the last 10 years we have migrated many of our customers to cloud or partial cloud provision.

Our customer base is diverse in terms of size, geography, skills, business requirements and objectives. We have recognised this and created a solutions and services portfolio that can be tailored to meet the individual requirements of all our customers. Some of our customers have large ICT teams and only look for assistance where they have investigated and exhausted every avenue. Others are far smaller, where finance officers often take on ICT responsibility and need additional help and assistance. Central provides a bespoke service to each of our customers, providing best value for money and an ICT service which matches their requirements which assists them in delivering their objectives.

Central Networks Microsoft Azure Site Recovery and Backup

Introduction

Azure Site Recovery

Azure Site Recovery is a Microsoft Azure service that helps businesses protect their applications and data by coordinating and managing the replication and recovery of virtual machines (VMs) and physical servers. The primary purpose of Azure Site Recovery is to provide disaster recovery solutions, ensuring that businesses can maintain continuity even in the face of unforeseen events like hardware failures, data corruption, or even site-wide outages.

Azure Site Recover Feature & benefits

Key features and functionalities of Azure Site Recovery include:

1. **Replication:** Azure Site Recovery replicates workloads running on physical servers, VMware virtual machines, and Hyper-V virtual machines to Azure. This replication can be done at regular intervals to ensure near-real-time recovery point objectives (RPOs).
2. **Orchestration:** It provides automated orchestration and recovery of services in the event of a disaster. This includes failover and failback processes, where VMs can be failed over from the primary site to the secondary site (Azure) during a disaster, and then failed back once the primary site is restored.
3. **Multi-site Recovery:** Azure Site Recovery supports recovery between on-premises environments, Azure, and even between Azure regions. This flexibility allows businesses to design robust disaster recovery strategies that suit their specific needs.
4. **Application Consistency:** It ensures application-consistent recovery points by leveraging native application-aware snapshot technologies in the source environment.
5. **Non-disruptive Testing:** Azure Site Recovery supports non-disruptive recovery testing. This allows businesses to regularly test their disaster recovery plans without impacting production workloads.
6. **Integration with Azure:** It integrates seamlessly with other Azure services, such as Azure Monitor and Azure Security Centre, providing comprehensive monitoring, alerting, and security features.

Overall, Azure Site Recovery simplifies the process of implementing and managing disaster recovery solutions, reducing downtime and data loss in the event of disasters or planned outages. It's a critical tool for businesses aiming to enhance their resilience and maintain high availability for their applications and services.

Azure Backup

Azure Backup is a cloud-based backup service provided by Microsoft Azure that allows organizations to protect their data and workloads by backing them up to Azure's secure and scalable cloud infrastructure. It offers several features and benefits:

1. **Data Protection:** Azure Backup enables the backup and recovery of data from on-premises systems, virtual machines, and cloud services to Azure cloud storage. This ensures that critical data is protected and can be restored in case of accidental deletion, corruption, or disaster.
2. **Centralized Management:** It provides a centralized management interface through the Azure portal, allowing administrators to schedule, monitor, and manage backups for various resources across their organization.
3. **Scalability:** Azure Backup is designed to scale with your organization's needs. It can handle large-scale backup requirements and supports a wide range of workloads including virtual machines, databases, files, and folders.
4. **Security and Compliance:** Backed by Azure's robust security measures, data stored in Azure Backup is encrypted both in-transit and at-rest, ensuring data privacy and compliance with industry standards and regulations.
5. **Cost-effective:** Azure Backup offers a pay-as-you-go pricing model, allowing organizations to optimize costs based on their backup storage usage. It eliminates the need for upfront investment in hardware and infrastructure for backup.
6. **Integration:** Azure Backup integrates seamlessly with other Azure services and solutions, such as Azure Site Recovery for disaster recovery, Azure Monitor for proactive monitoring, and Azure Security Centre for enhanced security insights.

Organizations can leverage Azure Backup to create reliable and efficient backup strategies that protect their critical data and ensure business continuity. It's a key component of Azure's comprehensive suite of cloud services aimed at enabling businesses to leverage the scalability, flexibility, and reliability of the cloud for their IT operations.

Confidentiality and Copyright

This document and the information set out herein is confidential and is not to be disclosed or discussed with any person or party not associated with the selection of a service provider. The information in this proposal is a suggested technical offering. We reserve the right to amend or withdraw our proposal. Any typographical, clerical or other error or omission shall be subject to correction without any liability. The copyright in this proposal and any associated information or documents that we may provide remains vested in Central Networks and Technologies Ltd.