

Guaranteed business continuity thanks to Microsoft Azure Site Recovery

Use a ready-made tool to ensure the availability of your organization's applications and services. In case of partial or even total unavailability of the local data center, maintain business continuity thanks to the DRC (Disaster Recovery Center) service on the Microsoft Azure platform.



A challenge for the organization

Even the smallest infrastructure failure can lead to huge image or financial losses resulting from untimely project implementation. Each organization should have a strategy to ensure business continuity and disaster recovery - BCDR (Business Continuity and Disaster Recovery). Thanks to the well thought-out BCDR strategy, applications and data will be constantly available during planned or unplanned downtime, and quickly restored to normal operating conditions.

The foundation of BCDR is a redundant infrastructure being a kind of duplicate of the most important servers, applications and services for the organization. Unfortunately, due to the high cost of purchasing and maintaining redundant infrastructure, many organizations are giving up developing and launching a BCDR strategy.

Organization continuity guaranteed thanks to Microsoft Azure Site Recovery

Azure Site Recovery supports a strategy that ensures business continuity and disaster recovery by managing replication of physical servers and virtual machines. Servers and virtual machines can be replicated either to the Microsoft Azure platform (DRaaS service) or to a backup data center.

In the event of a partial or total failure at the primary location, the event is automatically detected and the appropriate failover procedure followed. According to the established strategy, there is a transition to a redundant location so that the applications and business services of the organization are still available. After resolving the main data center problem, you can run the "failback" procedure (failure recovery to the original or other indicated location).

Near-synchronous replication - Azure Site Recovery provides a replication frequency of up to 30 seconds for Hyper-V and continuous replication for VMware machines.



Application-related snapshots - machines are replicated using application-specific snapshots (single and multi-layered). In addition to disk data, snapshots capture all memory data and ongoing transactions.

Flexible recovery plans - Recovery plans can be created and customized using external scripts. Integration with Azure Automation runbook elements allows you to recover a whole set of applications with one click.

Integration with the SQL AlwaysOn function - you can manage the failover mode of availability groups using the built-in recovery plans.

Automation library - A rich automation library provides ready-to-use scripts tailored to specific applications that you can download from the library and integrate with your organization's Azure Site Recovery service.

Effective network management - network management options in the Azure Site Recovery service in conjunction with the Microsoft Azure network services mean that we significantly simplify the network requirements associated with failure for the application itself (including IP address booking, load balancing and traffic management thanks to Azure Traffic Manager).

Benefits of using Microsoft Azure Site Recovery

BBCDR strategy simplification - you can handle replication, failover and recovery of multiple servers from one administration console using ready-made templates.

Elimin Eliminating the backup data center - you can replicate servers directly to the Microsoft Azure platform instead of creating and maintaining an expensive, backup data center. You will reduce the costs and complexity of handling BCDR strategies for your organization.

- Easy replication testing - by using test failover modes, you can easily test for disaster recovery without impacting your production environments.
- Support for heterogeneous environments - you will provide the BCDR scenario for both Hyper-V virtual machines, VMware virtual machines and physical servers with Windows / Linux.
- Unlimited storage space and efficiency (no dimensioning problems).
- Compliance with standards (including ISO / IEC, SOC, CSA, PCI, DSS).