Microsoft Azure

DataSync
Agenda

ModernBiz: Your path to the Modern Business

Microsoft Azure overview

Key business solutions leveraging the cloud
  • Back up your data
  • Reduce unexpected downtime
  • Host your apps
  • Host your website

Why Microsoft?

Get started
ModernBiz

Choose your own path to modern, with flexible, familiar, and trusted solutions for your business—desktop to mobile, server to cloud.
ModernBiz

Microsoft Azure offers a range of key benefits that help enable the modern business

- Host apps on Azure to deploy quickly and pay only for resources you use
- Get the most out of your technology
- Adapt to change
- Get your work done anywhere
- Work together easily
- Protect and control your data
- Be prepared for the unexpected
- Understand your customer
- Increase your sales
- Back up your files and data to the cloud, simply and affordably
- Minimize downtime with affordable cloud-based disaster recovery
- Access cloud – hosted applications from anywhere
- Scale applications up or down as needed
- Adapt to change
- Get your work done anywhere
- Work together easily
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Microsoft Azure overview
Microsoft Azure is a flexible cloud platform that helps you grow with greater efficiency and be more responsive to change. With Azure, you can be up and running fast, scale up or down as needed, and avoid high capital costs—paying only for what you use.
Azure global datacenters

24 x 7 x 365 support, over 1 billion customers, 20 million businesses, over 90 markets worldwide
280 years of combined industry experience in infrastructure, security, product dev, and global ops
The cloud: extending your IT infrastructure

The cloud is about instantly expanding your IT capabilities

The cloud is ideal when you need to:

- Get apps up and running fast
- Scale instantly
- Pay only for what you use
- Leverage enterprise-level security

With Microsoft, you choose the combination that’s right for your business

Physical Server  Virtualization  Cloud
### Storage, backup, and disaster recovery: how they work together

<table>
<thead>
<tr>
<th><strong>Storage</strong></th>
<th><strong>Backup</strong></th>
<th><strong>Disaster Recovery</strong></th>
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<tbody>
<tr>
<td>Get easy, economical storage that can scale as needed</td>
<td>Get fast, simple backup and an easy way to restore lost files</td>
<td>Protect your servers and get your systems back online quickly</td>
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<tr>
<td>• Scale up or down easily to meet changing needs</td>
<td>• Backup files to a secondary location</td>
<td>• Keep a replica of the entire server infrastructure—updated in near real-time</td>
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<td>• Access your data from anywhere</td>
<td>• Quickly restore files when accidentally deleted or lost</td>
<td>• Get applications and services back up and running in minutes</td>
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<td>• Use with a choice of operating systems</td>
<td>• Retain files and data for legal requirements</td>
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Back up your data
Many businesses lose critical data when primary data storage becomes damaged or files are accidentally deleted. Effective data backup often requires significant capital investment in hardware and backup media.
Get simple, reliable backup in the cloud with Microsoft Azure

Back up your files and data to the cloud, simply and affordably

Avoid capital expense for storage hardware & media

Scale up or down as needed and pay for what you use

Get enterprise-grade data protection

Click here to jump to a slide in the appendix with more technical information on this solution.
Get fast, easy backup for your database with SQL Server and Microsoft Azure

Automate database backups to minimize data loss
Encrypt your backup files for added protection
Restore to the cloud if on-site servers are down

Click here to jump to a slide in the appendix with more technical information on this solution.
Reduce unexpected downtime
You have an insurance policy for your business. What’s your insurance policy for your data and IT systems?

Building and hosting a disaster recovery solution is too expensive for most small and midsize businesses...

40% of businesses hit by a disaster never reopen

1 Federal Emergency Management Agency, fema.gov
Have the peace of mind that you’re open for business—even if disaster strikes

Know you’re covered—get your business back up and running in minutes

- Avoid capital expense and significantly reduce operational costs
- Automated recovery to reduce application downtime, and near-zero data loss
- Greater peace of mind with ongoing testing and monitoring

Click here to jump to a slide in the appendix with more technical information on this solution.
Host your apps
Host your apps in the cloud with Microsoft Azure

Deploy quickly
Avoid capital expense
Scale up or down as needed

About Microsoft Azure Cloud Security
Fully managed and monitored infrastructure
Data backed up in a choice of geographies
Robust physical security and data protection

Get the same level of protection chosen by Microsoft’s enterprise customers, including many of the world’s largest financial institutions.

Click here to jump to a slide in the appendix with more technical information on this solution.
Host your website
How much is your website costing your business?

Many small and midsize businesses host their own websites on their own on-site server, which can cost money...and customers

Unexpected downtime
Poor performance
Lacking security
IT and hardware costs
Offer a great customer experience by hosting your website in the cloud

Provide a reliable, satisfying, more secure customer experience without the need to invest in costly infrastructure.

High availability

Fast, responsive performance

The latest security and protection

Premium resources at budget prices
Next steps
## Why Microsoft

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<td>🚄</td>
<td>A single vendor across all of your IT, whether on-site, in the cloud, or both</td>
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<td>📞</td>
<td>Single point of support for infrastructure, OS, services, and applications</td>
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<td>✅</td>
<td>Tenured experience and enterprise credibility</td>
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<tr>
<td>AND</td>
<td>Single platform for all of your cloud needs (IaaS and PaaS)</td>
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<tr>
<td>⬆️</td>
<td>The best cloud platform for Microsoft workloads</td>
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DataSync is a software advisory and engineering firm dedicated to improving how your customers interact with your business.

Schedule a Demo today!
Appendix
Microsoft Azure Backup

- Recover data in case of disasters (server destroyed/stolen, disk crash)
- Recover data in case of data loss scenarios such as data accidentally deleted, volume deleted, viruses
- Simple installation and configuration
- Reduced cost for backup storage and management
- Ideal for small businesses, branch offices, and departmental business needs
- Use either the Microsoft Online Backup Service Agent or the Online Backup Windows PowerShell cmdlets
SQL Server 2014 Standard Edition Backup on Microsoft Azure

Manual or automatic backups
Enable backup directly to Microsoft Azure storage
All you need is the URL and storage key
At an instance level with point in time restore
Measures DB usage patterns to set backup frequency

Reduce CAPEX & OPEX with cloud backup

Back to solution slide
Disaster recovery in the cloud with Microsoft Azure Site Recovery

Use Azure as your DR site
Automated VM protection & replication
Remote health monitoring
Customizable recovery plans
No-impact recovery plan testing
Orchestrated recovery of tiered applications

On-premises to Microsoft Azure protection
Microsoft Azure Site Recovery: Hyper-V Replica Replication Engine

**Integrated Software-Based VM Replication**

VM replication capabilities built into Windows Server 2012 R2 Hyper-V

Configurable replication frequencies of 30 seconds, 5 minutes and 15 minutes

Secure replication across network using certificates

Flexible solution, agnostic of network, server and storage hardware on either site

No need for other virtual machine replication technologies, reducing costs

Automatic handling of live migration

Simple configuration and management

Upon site failure, VMs can be started on secondary site
Hosting Apps on Microsoft Azure

- **OPTION 1**: Non-Virtualized
  - Windows Server Hyper-V VHD
  - P2V

- **OPTION 2**: Virtualized
  - Database
  - V2V

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**Reduce or eliminate hardware costs and maintenance**

**Get database portability across on-premises and cloud with compatible virtualization**

**No application changes required – simply virtualize and move**

Back to solution slide