

# Microsoft Azure Infrastructure

Your Business Technology Team®

**Advanced**  
INTEGRATORS

# What is Microsoft Azure?

- Cloud Platform
- High Availability
- Elastic Scalability
- Usage Based Pricing
- IaaS = Infrastructure as a Service

<http://azure.microsoft.com/en-us/overview/what-is-azure/>

# Benefits of using Microsoft Azure Infrastructure

- No onsite equipment purchase
- No equipment upkeep
- Full access from anywhere
- Easily scalable
- Limited software updates
- Data redundancy
- Security

# Virtually Unlimited Choices In Virtual Servers

- Wide range of server templates that you can choose from

## Recommended



Windows Server

Microsoft



Red Hat Enterprise Linux

RedHat



Ubuntu Server

Canonical



SQL Server 2016 SP1 Enterprise on

Microsoft



Virtual machine scale set

Microsoft



SharePoint Server 2016 Trial

Microsoft

[More](#)

## Virtual Machine Images



Data Science Virtual Machine

Microsoft



Dynamics AX 2012 R3 (preview)

Microsoft

VOIPNOW

VoipNow 3.6.0

4PSA



SiouxApp Business Suite

7iSolutions



Ubuntu Server 12.04.5 LTS

Canonical



Ubuntu Server 14.04 LTS

Canonical

[More](#)

# Flexibility

- Choose the Server you want
- Shut it down when it is not needed
- Start or Stop the VM on a set schedule
- Pay only for the computing power that you use

## Windows Virtual Machines Pricing

✓ No upfront cost   ✓ No termination fees   ✓ Pay only for what you use

# Manageability

- Easy to navigate customizable portal



# Managed Maintenance

- Planned maintenance is done for you to keep systems up to date
- Reliability and performance maintenance
- If the maintenance does not require a reboot, Microsoft Azure uses in-place migration to pause the VM while the host is updated.
- If maintenance requires a reboot, you get a notice of when the maintenance is planned. In these cases, you'll also be given a time window where you can start the maintenance yourself, at a time that works for you.

# Redundancy

- You have the choice of what kind of redundancy you want
- Your data is automatically saved in at least 3 locations

## Data redundancy options

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### locally redundant storage

Makes multiple synchronous copies of your data within a single datacenter.

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### zone redundant storage

Stores three copies of data across multiple datacenters within or across regions. For block blobs only.

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### geographically redundant storage

Same as locally redundant storage, plus multiple asynchronous copies to a second datacenter hundreds of miles away.

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### read-access geographically redundant storage

Same as geographically redundant storage, plus read access to the secondary datacenter.

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# Redundancy

Replication strategy	LRS	ZRS	GRS	RA-GRS
Data is replicated across multiple facilities.	No	Yes	Yes	Yes
Data can be read from the secondary location and from the primary location.	No	No	No	Yes
Number of copies of data maintained on separate nodes.	3	3	6	6

# Connect from Anywhere

- Connect to a published IP from anywhere
- Run web services on a cloud server instead of locally
- Use RDP to connect to the desktop



# Pricing Principles

Microsoft Azure allows you to quickly deploy infrastructures and services to meet all of your business needs. You can run Windows and Linux based applications in [36 Azure datacenter regions](#), delivered with **enterprise grade SLAs**.

- ✓ No upfront costs
- ✓ No termination fees
- ✓ Pay only for what you use
- ✓ Per minute billing

# Security

- Your data is encrypted with a security key that you control

## The Trusted Cloud

Most comprehensive compliance coverage of any cloud provider

- ✓ More certifications than any other cloud provider
- ✓ Industry leader for customer advocacy and privacy protection
- ✓ Unique data residency guarantees

More certification than any other cloud provider



ISO/IEC



CSA/CCM



ITAR



CJIS



HIPAA



IRS 1075

[https://azure.microsoft.com/en-us/support/trust-center/?&WT.srch=1&WT.mc\\_id=AID\\_SEM\\_df3uhWPb&](https://azure.microsoft.com/en-us/support/trust-center/?&WT.srch=1&WT.mc_id=AID_SEM_df3uhWPb&)

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