

Microsoft Azure-based Infrastructure as a Service Planning & Deployment

Description

An Infrastructure as a Service solution (IaaS) solution built on the Microsoft Azure IaaS platform with support for virtual customer networks and address schemes, inter-site connectivity and capacity expansion.

Capabilities

The following capabilities are provided:

- Deployment of single or multiple virtual machines using either bespoke or Azure Resource Manager (ARM) template-based configuration.
- Support for all currently available (variable depending on Azure deployment region) virtual machine sizes.
- Support Generation 2 (Azure Resource Manager) based IaaS services only.
- Support for client-defined network address space and routing.
- IPSEC site-to-site VPN and MS ExpressRoute connectivity between On-Prem and Cloud, with support for BGP routing, failover and multi-point termination.
- ExpressRoute connectivity is available only in locations with an appropriate ExpressRoute provider and service contract.
- Support for standard and premium storage options.
- Support for Azure storage protection and resilience options (multi-region resilient).
- Full remote administration access to VM with secure authentication gateway.
- Virtual hard disk files up to Azure supported size limits at the time of creation.
 - Support for multiple virtual hard disks per VM base on VM class and size.
- Availability zone for application availability during Azure maintenance period (application must support this).

Limitations

- In guest (client VM), patching and updating are the client's responsibility.
- Application level-high-availability requires configuration at the software level by the customer.
- Live migration of VMs is not supported.
- Shared-Disk Clustered VMs are not supported.
- Microsoft Azure applies controls to the performance of; the network, storage (bandwidth and IOPS) and CPU for all VMs. The available capacity and/or performance of each component will be in line with the specifications offered by Azure for the chosen VM.
- Microsoft reserves the right to reboot/change a host (the underlying system running a client's VM) without warning. This will result in VM operation interruption.