Glossry:

SKU : Stock Keeping Units ( Various types or options available)

# Virtual Machine

VM Naming Convention

<https://docs.microsoft.com/en-us/azure/virtual-machines/vm-naming-conventions>

Availability Zones

Availability Sets

Scale sets

Azure virtual machine scale sets provide the management capabilities for applications that run across many VMs, [automatic scaling of resources](https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/virtual-machine-scale-sets-autoscale-overview), and load balancing of traffic.

| **Scenario** | **Manual group of VMs** | **Virtual machine scale set** |
| --- | --- | --- |
| Add additional VM instances | Manual process to create, configure, and ensure compliance | Automatically create from central configuration |
| Traffic balancing and distribution | Manual process to create and configure Azure load balancer or Application Gateway | Can automatically create and integrate with Azure load balancer or Application Gateway |
| High availability and redundancy | Manually create Availability Set or distribute and track VMs across Availability Zones | Automatic distribution of VM instances across Availability Zones or Availability Sets |
| Scaling of VMs | Manual monitoring and Azure Automation | Autoscale based on host metrics, in-guest metrics, Application Insights, or schedule |

There is no additional cost to scale sets. You only pay for the underlying compute resources such as the VM instances, load balancer, or Managed Disk storage. The management and automation features, such as autoscale and redundancy, incur no additional charges over the use of VMs.

<https://docs.microsoft.com/en-us/azure/virtual-machine-scale-sets/overview>

Disk Types

<https://docs.microsoft.com/en-us/azure/virtual-machines/disks-types>

# VM Cli

<https://docs.microsoft.com/en-us/cli/azure/vm?view=azure-cli-latest>

# VM Power Shell

# FAQ

<https://docs.microsoft.com/en-us/azure/virtual-machines/linux/faq>

<https://docs.microsoft.com/en-us/azure/virtual-machines/windows/faq>

## Azure VM sizes with no local temporary disk

1. Can I resize a VM size that has a local temp disk to a VM size with no local temp disk?

No. The only combinations allowed for resizing are:

1. VM (with local temp disk) -> VM (with local temp disk); and
2. VM (with no local temp disk) -> VM (with no local temp disk).
3. Do these VM sizes support both Linux and Windows Operating Systems (OS)?

Yes.

1. Will this break my custom scripts, custom images or OS images that have scratch files or page files on a local temp disk?

If the custom OS image points to the local temp disk, the image might not work correctly with this diskless size.