Virtual Machines - Get - REST API (Azure Compute)

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In this article

Retrieves information about the model view or the instance view of a virtual machine.

```
GET https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.Co
```

With optional parameters:

```
GET https://management.azure.com/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.Co
```

URI Parameters

Name	In	Required	Type	Description
resourceGroupName	path	True	string minLength: 1 maxLength: 90	The name of the resource group. The name is case insensitive.
subscriptionId	path	True	string minLength: 1	The ID of the target subscription.
vmName	path	True	string	The name of the virtual machine.
api-version	query	True	string minLength: 1	The API version to use for this operation.
$expand	query		InstanceViewTypes	The expand expression to apply on the operation. 'InstanceView' retrieves a snapshot of the runtime properties of the virtual machine that is managed by the platform and can change outside of control plane operations. 'UserData' retrieves the UserData property as part of the VM model view that was provided by the user during the VM Create/Update operation.

Responses

Name	Type	Description
200 OK	VirtualMachine	Azure operation completed successfully.
Other Status Codes	CloudError	An unexpected error response.

Security

azure_auth

Azure Active Directory OAuth2 Flow.

Type: oauth2
Flow: implicit
Authorization URL: https://login.microsoftonline.com/common/oauth2/authorize

Scopes

Name	Description
user_impersonation	impersonate your user account

Examples

Get a virtual machine placed on a dedicated host group through automatic placement

Sample request

- HTTP

```
GET https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compu
```

Sample response


```
{
 "name": "myVM",
 "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/myVM"
 "type": "Microsoft.Compute/virtualMachines",
 "location": "West US",
 "tags": {
   "myTag1": "tagValue1"
 },
 "properties": {
   "vmId": "0f47b100-583c-48e3-a4c0-aefc2c9bbcc1",
   "hostGroup": {
     "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/hostGroups/myHost
   },
   "hardwareProfile": {
     "vmSize": "Standard_D2s_v3"
   },
   "storageProfile": {
     "imageReference": {
       "publisher": "MicrosoftWindowsServer",
       "offer": "WindowsServer",
       "sku": "2016-Datacenter",
       "version": "latest"
     },
     "osDisk": {
       "osType": "Windows",
       "name": "myOsDisk",
       "createOption": "FromImage",
       "caching": "ReadWrite",
       "managedDisk": {
         "storageAccountType": "Premium_LRS",
         "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myOsDis
       },
       "diskSizeGB": 30
     },
     "dataDisks": []
   },
   "osProfile": {
     "computerName": "myVM",
     "adminUsername": "admin",
     "windowsConfiguration": {
```

```
        "provisionVMAgent": true,
        "enableAutomaticUpdates": false
      },
      "secrets": []
    },
    "networkProfile": {
      "networkInterfaces": [
        {
          "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Network/networkInterf
        }
      ]
    },
    "provisioningState": "Succeeded"
  }
}
```


Get a virtual machine with Disk Controller Type Properties

Sample request

- HTTP


```
GET https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compu
```


Sample response


```
{
 "name": "myVM",
 "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/myVM"
 "type": "Microsoft.Compute/virtualMachines",
 "location": "West US",
 "tags": {
   "myTag1": "tagValue1"
 },
 "properties": {
   "vmId": "0f47b100-583c-48e3-a4c0-aefc2c9bbcc1",
   "availabilitySet": {
     "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/availabilitySets/
   },
   "hardwareProfile": {
     "vmSize": "Standard_DS3_v2",
     "vmSizeProperties": {
       "vCPUsAvailable": 1,
       "vCPUsPerCore": 1
     }
   },
   "storageProfile": {
     "imageReference": {
       "publisher": "MicrosoftWindowsServer",
       "offer": "WindowsServer",
       "sku": "2016-Datacenter",
       "version": "latest"
     },
     "osDisk": {
       "osType": "Windows",
       "name": "myOsDisk",
       "createOption": "FromImage",
       "caching": "ReadWrite",
       "managedDisk": {
         "storageAccountType": "Premium_LRS",
         "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myOsDis
       },
       "diskSizeGB": 30
     },
     "dataDisks": [
       {
         "lun": 0,
         "name": "myDataDisk0",
         "createOption": "Empty",
```

```
          "caching": "ReadWrite",
          "managedDisk": {
            "storageAccountType": "Premium_LRS",
            "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
          },
          "diskSizeGB": 30
        },
        {
          "lun": 1,
          "name": "myDataDisk1",
          "createOption": "Attach",
          "caching": "ReadWrite",
          "managedDisk": {
            "storageAccountType": "Premium_LRS",
            "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
          },
          "diskSizeGB": 100
        }
      ],
      "diskControllerType": "NVMe"
    },
    "applicationProfile": {
      "galleryApplications": [
        {
          "tags": "myTag1",
          "order": 1,
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdb/resourceGroups/myresourceGroupName2/p
          "configurationReference": "https://mystorageaccount.blob.core.windows.net/configurations/settings.config"
        },
        {
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdg/resourceGroups/myresourceGroupName3/p
        }
      ]
    },
    "userData": "RXhhbXBsZSBVc2VyRGF0YQ==",
    "osProfile": {
      "computerName": "myVM",
      "adminUsername": "admin",
      "windowsConfiguration": {
        "provisionVMAgent": true,
        "enableAutomaticUpdates": false
      },
      "secrets": []
    },
    "networkProfile": {
      "networkInterfaces": [
        {
          "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Network/networkInterf
        }
      ]
    },
    "diagnosticsProfile": {
      "bootDiagnostics": {
        "enabled": true,
        "storageUri": "http://{myStorageAccount}.blob.core.windows.net"
      }
    },
    "extensionsTimeBudget": "PT50M",
    "provisioningState": "Succeeded"
  },
  "resources": [
    {
      "name": "CustomScriptExtension-DSC",
      "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/m
      "type": "Microsoft.Compute/virtualMachines/extensions",
      "location": "west us",
      "tags": {
        "displayName": "CustomScriptExtension-DSC"
      },
      "properties": {
        "autoUpgradeMinorVersion": true,
```

```
        "provisioningState": "Succeeded",
        "publisher": "Microsoft.Compute",
        "type": "CustomScriptExtension",
        "typeHandlerVersion": "1.9",
        "settings": {}
      }
    }
  ]
}
```

Get a virtual machine with VM Size Properties

Sample request

- HTTP

```
GET https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compu
```

Sample response

```
{
 "name": "myVM",
 "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/myVM"
 "type": "Microsoft.Compute/virtualMachines",
 "location": "West US",
 "tags": {
   "myTag1": "tagValue1"
 },
 "properties": {
   "vmId": "0f47b100-583c-48e3-a4c0-aefc2c9bbcc1",
   "availabilitySet": {
     "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/availabilitySets/
   },
   "hardwareProfile": {
     "vmSize": "Standard_DS3_v2",
     "vmSizeProperties": {
       "vCPUsAvailable": 1,
       "vCPUsPerCore": 1
     }
   },
   "storageProfile": {
     "imageReference": {
       "publisher": "MicrosoftWindowsServer",
       "offer": "WindowsServer",
       "sku": "2016-Datacenter",
       "version": "latest"
     },
     "osDisk": {
       "osType": "Windows",
       "name": "myOsDisk",
       "createOption": "FromImage",
       "caching": "ReadWrite",
       "managedDisk": {
         "storageAccountType": "Premium_LRS",
         "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myOsDis
       },
       "diskSizeGB": 30
     },
     "dataDisks": [
       {
         "lun": 0,
         "name": "myDataDisk0",
         "createOption": "Empty",
         "caching": "ReadWrite",
         "managedDisk": {
           "storageAccountType": "Premium_LRS",
           "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
         },
         "diskSizeGB": 30
```

```
        },
        {
          "lun": 1,
          "name": "myDataDisk1",
          "createOption": "Attach",
          "caching": "ReadWrite",
          "managedDisk": {
            "storageAccountType": "Premium_LRS",
            "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
          },
          "diskSizeGB": 100
        }
      ]
    },
    "applicationProfile": {
      "galleryApplications": [
        {
          "tags": "myTag1",
          "order": 1,
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdb/resourceGroups/myresourceGroupName2/p
          "configurationReference": "https://mystorageaccount.blob.core.windows.net/configurations/settings.config"
        },
        {
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdg/resourceGroups/myresourceGroupName3/p
        }
      ]
    },
    "userData": "RXhhbXBsZSBVc2VyRGF0YQ==",
    "osProfile": {
      "computerName": "myVM",
      "adminUsername": "admin",
      "windowsConfiguration": {
        "provisionVMAgent": true,
        "enableAutomaticUpdates": false
      },
      "secrets": []
    },
    "networkProfile": {
      "networkInterfaces": [
        {
          "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Network/networkInterf
        }
      ]
    },
    "diagnosticsProfile": {
      "bootDiagnostics": {
        "enabled": true,
        "storageUri": "http://{myStorageAccount}.blob.core.windows.net"
      }
    },
    "extensionsTimeBudget": "PT50M",
    "provisioningState": "Succeeded"
  },
  "resources": [
    {
      "name": "CustomScriptExtension-DSC",
      "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/m
      "type": "Microsoft.Compute/virtualMachines/extensions",
      "location": "west us",
      "tags": {
        "displayName": "CustomScriptExtension-DSC"
      },
      "properties": {
        "autoUpgradeMinorVersion": true,
        "provisioningState": "Succeeded",
        "publisher": "Microsoft.Compute",
        "type": "CustomScriptExtension",
        "typeHandlerVersion": "1.9",
        "settings": {}
      }
    }
```

```
  ]
}
```

Get a Virtual Machine.

Sample request

- HTTP

```
GET https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compu
```

Sample response

```
{
 "name": "myVM",
 "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/myVM"
 "type": "Microsoft.Compute/virtualMachines",
 "location": "West US",
 "tags": {
   "myTag1": "tagValue1"
 },
 "etag": "\"1\"",
 "properties": {
   "vmId": "0f47b100-583c-48e3-a4c0-aefc2c9bbcc1",
   "availabilitySet": {
     "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/availabilitySets/
   },
   "proximityPlacementGroup": {
     "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/proximityPlacemer
   },
   "hardwareProfile": {
     "vmSize": "Standard_DS3_v2"
   },
   "storageProfile": {
     "imageReference": {
       "publisher": "MicrosoftWindowsServer",
       "offer": "WindowsServer",
       "sku": "2016-Datacenter",
       "version": "latest"
     },
     "osDisk": {
       "osType": "Windows",
       "name": "myOsDisk",
       "createOption": "FromImage",
       "caching": "ReadWrite",
       "managedDisk": {
         "storageAccountType": "Premium_LRS",
         "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myOsDis
       },
       "diskSizeGB": 30
     },
     "dataDisks": [
       {
         "lun": 0,
         "name": "myDataDisk0",
         "createOption": "Empty",
         "caching": "ReadWrite",
         "managedDisk": {
           "storageAccountType": "Premium_LRS",
           "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
         },
         "diskSizeGB": 30
       },
       {
         "lun": 1,
         "name": "myDataDisk1",
         "createOption": "Attach",
         "caching": "ReadWrite",
         "managedDisk": {
```

```
            "storageAccountType": "Premium_LRS",
            "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/disks/myDat
          },
          "diskSizeGB": 100
        }
      ]
    },
    "applicationProfile": {
      "galleryApplications": [
        {
          "tags": "myTag1",
          "order": 1,
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdb/resourceGroups/myresourceGroupName2/p
          "configurationReference": "https://mystorageaccount.blob.core.windows.net/configurations/settings.config"
        },
        {
          "packageReferenceId": "/subscriptions/32c17a9e-aa7b-4ba5-a45b-e324116b6fdg/resourceGroups/myresourceGroupName3/p
        }
      ]
    },
    "userData": "RXhhbXBsZSBVc2VyRGF0YQ==",
    "osProfile": {
      "computerName": "myVM",
      "adminUsername": "admin",
      "windowsConfiguration": {
        "provisionVMAgent": true,
        "enableAutomaticUpdates": false
      },
      "secrets": []
    },
    "networkProfile": {
      "networkInterfaces": [
        {
          "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Network/networkInterf
        }
      ]
    },
    "diagnosticsProfile": {
      "bootDiagnostics": {
        "enabled": true,
        "storageUri": "http://{myStorageAccount}.blob.core.windows.net"
      }
    },
    "extensionsTimeBudget": "PT50M",
    "provisioningState": "Succeeded",
    "timeCreated": "2021-06-27T01:02:38.3138469+00:00"
  },
  "resources": [
    {
      "name": "CustomScriptExtension-DSC",
      "id": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachines/m
      "type": "Microsoft.Compute/virtualMachines/extensions",
      "location": "west us",
      "tags": {
        "displayName": "CustomScriptExtension-DSC"
      },
      "properties": {
        "autoUpgradeMinorVersion": true,
        "provisioningState": "Succeeded",
        "publisher": "Microsoft.Compute",
        "type": "CustomScriptExtension",
        "typeHandlerVersion": "1.9",
        "settings": {}
      }
    }
  ],
  "managedBy": "/subscriptions/{subscription-id}/resourceGroups/myResourceGroup/providers/Microsoft.Compute/virtualMachine
}
```


Definitions

Name	Description
Additional Capabilities	Enables or disables a capability on the virtual machine or virtual machine scale set.
AdditionalUnattendContent	Specifies additional XML formatted information that can be included in the Unattend.xml file, which is used by Windows Setup. Contents are defined by setting name, component name, and the pass in which the content is applied.
AllInstancesDown	Specifies if Scheduled Events should be auto-approved when all instances are down.
ApiEntityReference	The API entity reference.
ApiError	Api error.
ApiErrorBase	Api error base.
ApplicationProfile	Contains the list of gallery applications that should be made available to the VM/VMSS
AvailablePatchSummary	Describes the properties of an virtual machine instance view for available patch summary.
BillingProfile	Specifies the billing related details of a Azure Spot VM or VMSS. Minimum api-version: 2019-03-01.
BootDiagnostics	Boot Diagnostics is a debugging feature which allows you to view Console Output and Screenshot to diagnose VM status. You can easily view the output of your console log. Azure also enables you to see a screenshot of the VM from the hypervisor.
BootDiagnosticsInstanceView	The instance view of a virtual machine boot diagnostics.
CachingTypes	Specifies the caching requirements. Possible values are: **None, ReadOnly, ReadWrite.** The default values are: **None for Standard storage. ReadOnly for Premium storage**
CapacityReservationProfile	The parameters of a capacity reservation Profile.
CloudError	An error response from the Compute service.
Common.UserAssignedIdentitiesValue	
ComponentNames	
createdByType	The type of identity that created the resource.
DataDisk	Describes a data disk.
DeleteOptions	Specify what happens to the network interface when the VM is deleted
DiagnosticsProfile	Specifies the boot diagnostic settings state. Minimum api-version: 2015-06-15.

DiffDiskOptions	Specifies the ephemeral disk option for operating system disk.
DiffDiskPlacement	Specifies the ephemeral disk placement for operating system disk. This property can be used by user in the request to choose the location i.e, cache disk, resource disk or nvme disk space for Ephemeral OS disk provisioning. For more information on Ephemeral OS disk size requirements, please refer Ephemeral OS disk size requirements for Windows VM at https://docs.microsoft.com/azure/virtual-machines/windows/ephemeral-os-disks#size-requirements and Linux VM at https://docs.microsoft.com/azure/virtual-machines/linux/ephemeral-os-disks#size-requirements. Minimum api-version for NvmeDisk: 2024-03-01.
DiffDiskSettings	Describes the parameters of ephemeral disk settings that can be specified for operating system disk. **Note:** The ephemeral disk settings can only be specified for managed disk.
DiskControllerTypes	Specifies the disk controller type configured for the VM and VirtualMachineScaleSet. This property is only supported for virtual machines whose operating system disk and VM sku supports Generation 2 (https://docs.microsoft.com/en-us/azure/virtual-machines/generation-2), please check the HyperVGenerations capability returned as part of VM sku capabilities in the response of Microsoft.Compute SKUs api for the region contains V2 (https://docs.microsoft.com/rest/api/compute/resourceskus/list). For more information about Disk Controller Types supported please refer to https://aka.ms/azure-diskcontrollertypes.
DiskCreateOptionTypes	Specifies how the virtual machine disk should be created. Possible values are **Attach:** This value is used when you are using a specialized disk to create the virtual machine. **FromImage:** This value is used when you are using an image to create the virtual machine. If you are using a platform image, you should also use the imageReference element described above. If you are using a marketplace image, you should also use the plan element previously described. **Empty:** This value is used when creating an empty data disk. **Copy:** This value is used to create a data disk from a snapshot or another disk. **Restore:** This value is used to create a data disk from a disk restore point.
DiskDeleteOptionTypes	Specifies the behavior of the managed disk when the VM gets deleted, for example whether the managed disk is deleted or detached. Supported values are: **Delete.** If this value is used, the managed disk is deleted when VM gets deleted. **Detach.** If this value is used, the managed disk is retained after VM gets deleted. Minimum api-version: 2021-03-01.
DiskDetachOptionTypes	Specifies the detach behavior to be used while detaching a disk or which is already in the process of detachment from the virtual machine. Supported values are: **ForceDetach.** detachOption: **ForceDetach** is applicable only for managed data disks. If a previous detachment attempt of the data disk did not complete due to an unexpected failure from the virtual machine and the disk is still not released then use force-detach as a last resort option to detach the disk forcibly from the VM. All writes might not have been flushed when using this detach behavior. **This feature is still in preview**. To force-detach a data disk update toBeDetached to 'true' along with setting detachOption: 'ForceDetach'.
DiskEncryptionSetParameters	Describes the parameter of customer managed disk encryption set resource id that can be specified for disk. **Note:** The disk encryption set resource id can only be specified for managed disk. Please refer https://aka.ms/mdssewithcmkoverview for more details.
DiskEncryptionSettings	Describes a Encryption Settings for a Disk
DiskInstanceView	The instance view of the disk.

DomainNameLabelScopeTypes	The Domain name label scope.The concatenation of the hashed domain name label that generated according to the policy from domain name label scope and vm index will be the domain name labels of the PublicIPAddress resources that will be created
EncryptionIdentity	Specifies the Managed Identity used by ADE to get access token for keyvault operations.
EventGridAndResourceGraph	Specifies eventGridAndResourceGraph related Scheduled Event related configurations.
ExtendedLocation	The complex type of the extended location.
ExtendedLocationTypes	The type of the extended location.
HardwareProfile	Specifies the hardware settings for the virtual machine.
HostEndpointSettings	Specifies particular host endpoint settings.
HyperVGenerationType	Specifies the HyperVGeneration Type associated with a resource
ImageReference	Specifies information about the image to use. You can specify information about platform images, marketplace images, or virtual machine images. This element is required when you want to use a platform image, marketplace image, or virtual machine image, but is not used in other creation operations. NOTE: Image reference publisher and offer can only be set when you create the scale set.
InnerError	Inner error details.
InstanceViewStatus	Instance view status.
InstanceViewTypes	
IPVersions	Available from Api-Version 2017-03-30 onwards, it represents whether the specific ipconfiguration is IPv4 or IPv6. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.
KeyVaultKeyReference	Describes a reference to Key Vault Key
KeyVaultSecretReference	Describes a reference to Key Vault Secret
LastPatchInstallationSummary	Describes the properties of the last installed patch summary.
LinuxConfiguration	Specifies the Linux operating system settings on the virtual machine. For a list of supported Linux distributions, see Linux on Azure-Endorsed Distributions.

LinuxPatch AssessmentMode	Specifies the mode of VM Guest Patch Assessment for the IaaS virtual machine. Possible values are: **ImageDefault** - You control the timing of patch assessments on a virtual machine. **AutomaticByPlatform** - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.
LinuxPatchSettings	Specifies settings related to VM Guest Patching on Linux.
LinuxVMGuest PatchAutomatic ByPlatformReboot Setting	Specifies the reboot setting for all AutomaticByPlatform patch installation operations.
LinuxVMGuest PatchAutomatic ByPlatformSettings	Specifies additional settings to be applied when patch mode AutomaticByPlatform is selected in Linux patch settings.
LinuxVMGuest PatchMode	Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible. Possible values are: **ImageDefault** - The virtual machine's default patching configuration is used. **AutomaticByPlatform** - The virtual machine will be automatically updated by the platform. The property provisionVMAgent must be true
Maintenance OperationResult CodeTypes	The Last Maintenance Operation Result Code.
Maintenance RedeployStatus	Maintenance Operation Status.
ManagedDisk Parameters	The parameters of a managed disk.
Mode	Specifies the mode that ProxyAgent will execute on if the feature is enabled. ProxyAgent will start to audit or monitor but not enforce access control over requests to host endpoints in Audit mode, while in Enforce mode it will enforce access control. The default value is Enforce mode.
Modes	Specifies the execution mode. In Audit mode, the system acts as if it is enforcing the access control policy, including emitting access denial entries in the logs but it does not actually deny any requests to host endpoints. In Enforce mode, the system will enforce the access control and it is the recommended mode of operation.
NetworkApi Version	specifies the Microsoft.Network API version used when creating networking resources in the Network Interface Configurations
NetworkInterface AuxiliaryMode	Specifies whether the Auxiliary mode is enabled for the Network Interface resource.
NetworkInterface AuxiliarySku	Specifies whether the Auxiliary sku is enabled for the Network Interface resource.
NetworkInterface Reference	Describes a network interface reference.

NetworkProfile	Specifies the network interfaces or the networking configuration of the virtual machine.
OperatingSystemTypes	This property allows you to specify the type of the OS that is included in the disk if creating a VM from a custom image. Possible values are: **Windows, Linux.**
OSDisk	Specifies information about the operating system disk used by the virtual machine. For more information about disks, see About disks and VHDs for Azure virtual machines.
OSImageNotificationProfile	
OSProfile	Specifies the operating system settings for the virtual machine. Some of the settings cannot be changed once VM is provisioned.
PassNames	
PatchOperationStatus	The overall success or failure status of the operation. It remains "InProgress" until the operation completes. At that point it will become "Unknown", "Failed", "Succeeded", or "CompletedWithWarnings."
PatchSettings	Specifies settings related to VM Guest Patching on Windows.
Placement	Describes the user-defined constraints for resource hardware placement.
Plan	Specifies information about the marketplace image used to create the virtual machine. This element is only used for marketplace images. Before you can use a marketplace image from an API, you must enable the image for programmatic use. In the Azure portal, find the marketplace image that you want to use and then click **Want to deploy programmatically, Get Started ->**. Enter any required information and then click **Save**.
ProtocolTypes	Specifies the protocol of WinRM listener. Possible values are: **http, https.**
ProxyAgentSettings	Specifies ProxyAgent settings for the virtual machine or virtual machine scale set. Minimum api-version: 2023-09-01.
PublicIPAddressSku	Describes the public IP Sku. It can only be set with OrchestrationMode as Flexible.
PublicIPAddressSkuName	Specify public IP sku name
PublicIPAddressSkuTier	Specify public IP sku tier
PublicIPAllocationMethod	Specify the public IP allocation type
ResourceIdentityType	The type of identity used for the virtual machine. The type 'SystemAssigned, UserAssigned' includes both an implicitly created identity and a set of user assigned identities. The type 'None' will remove any identities from the virtual machine.
ScheduledEventsAdditionalPublishingTargets	

ScheduledEvents Policy	Specifies Redeploy, Reboot and ScheduledEventsAdditionalPublishingTargets Scheduled Event related configurations.
ScheduledEvents Profile	
SecurityEncryption Types	Specifies the EncryptionType of the managed disk. It is set to DiskWithVMGuestState for encryption of the managed disk along with VMGuestState blob, VMGuestStateOnly for encryption of just the VMGuestState blob, and NonPersistedTPM for not persisting firmware state in the VMGuestState blob.. **Note:** It can be set for only Confidential VMs.
SecurityProfile	Specifies the Security profile settings for the virtual machine or virtual machine scale set.
SecurityTypes	Specifies the SecurityType of the virtual machine. It has to be set to any specified value to enable UefiSettings. The default behavior is: UefiSettings will not be enabled unless this property is set.
SettingNames	Specifies the name of the setting to which the content applies. Possible values are: FirstLogonCommands and AutoLogon.
SshConfiguration	SSH configuration for Linux based VMs running on Azure
SshPublicKey	Contains information about SSH certificate public key and the path on the Linux VM where the public key is placed.
StatusLevelTypes	The level code.
StorageAccount Types	Specifies the storage account type for the managed disk. Managed OS disk storage account type can only be set when you create the scale set. NOTE: UltraSSD_LRS can only be used with data disks. It cannot be used with OS Disk. Standard_LRS uses Standard HDD. StandardSSD_LRS uses Standard SSD. Premium_LRS uses Premium SSD. UltraSSD_LRS uses Ultra disk. Premium_ZRS uses Premium SSD zone redundant storage. StandardSSD_ZRS uses Standard SSD zone redundant storage. For more information regarding disks supported for Windows Virtual Machines, refer to https://docs.microsoft.com/azure/virtual-machines/windows/disks-types and, for Linux Virtual Machines, refer to https://docs.microsoft.com/azure/virtual-machines/linux/disks-types
StorageProfile	Specifies the storage settings for the virtual machine disks.
SubResource	
systemData	Metadata pertaining to creation and last modification of the resource.
Terminate NotificationProfile	
UefiSettings	Specifies the security settings like secure boot and vTPM used while creating the virtual machine. Minimum api-version: 2020-12-01.
UserInitiated Reboot	Specifies Reboot related Scheduled Event related configurations.
UserInitiated Redeploy	Specifies Redeploy related Scheduled Event related configurations.

VaultCertificate	Describes a single certificate reference in a Key Vault, and where the certificate should reside on the VM.
VaultSecretGroup	Describes a set of certificates which are all in the same Key Vault.
VirtualHardDisk	Describes the uri of a disk.
VirtualMachine	Describes a Virtual Machine.
VirtualMachine AgentInstanceView	The instance view of the VM Agent running on the virtual machine.
VirtualMachine EvictionPolicy Types	Specifies the eviction policy for the Azure Spot VM/VMSS
VirtualMachine Extension	Describes a Virtual Machine Extension.
VirtualMachine ExtensionHandler InstanceView	The instance view of a virtual machine extension handler.
VirtualMachine ExtensionInstance View	The instance view of a virtual machine extension.
VirtualMachine HealthStatus	The health status of the VM.
VirtualMachine Identity	Identity for the virtual machine.
VirtualMachine InstanceView	The instance view of a virtual machine.
VirtualMachine IpTag	Contains the IP tag associated with the public IP address.
VirtualMachine NetworkInterface Configuration	Describes a virtual machine network interface configurations.
VirtualMachine NetworkInterface DnsSettings Configuration	Describes a virtual machines network configuration's DNS settings.
VirtualMachine NetworkInterface IPConfiguration	Describes a virtual machine network profile's IP configuration.
VirtualMachine PatchStatus	The status of virtual machine patch operations.
VirtualMachine PriorityTypes	Specifies the priority for a standalone virtual machine or the virtual machines in the scale set. 'Low' enum will be deprecated in the future, please use 'Spot' as the enum to deploy Azure Spot VM/VMSS.
VirtualMachine PublicIPAddress Configuration	Describes a virtual machines IP Configuration's PublicIPAddress configuration

VirtualMachinePublicIPAddressDnsSettingsConfiguration	Describes a virtual machines network configuration's DNS settings.
VirtualMachineSizeTypes	Specifies the size of the virtual machine. The enum data type is currently deprecated and will be removed by December 23rd 2023. The recommended way to get the list of available sizes is using these APIs: List all available virtual machine sizes in an availability set, List all available virtual machine sizes in a region, List all available virtual machine sizes for resizing. For more information about virtual machine sizes, see Sizes for virtual machines. The available VM sizes depend on region and availability set.
VMDiskSecurityProfile	Specifies the security profile settings for the managed disk. **Note:** It can only be set for Confidential VMs.
VMGalleryApplication	Specifies the required information to reference a compute gallery application version
VMSizeProperties	Specifies VM Size Property settings on the virtual machine.
WindowsConfiguration	Specifies Windows operating system settings on the virtual machine.
WindowsPatchAssessmentMode	Specifies the mode of VM Guest patch assessment for the IaaS virtual machine. Possible values are: **ImageDefault** - You control the timing of patch assessments on a virtual machine. **AutomaticByPlatform** - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.
WindowsVMGuestPatchAutomaticByPlatformRebootSetting	Specifies the reboot setting for all AutomaticByPlatform patch installation operations.
WindowsVMGuestPatchAutomaticByPlatformSettings	Specifies additional settings to be applied when patch mode AutomaticByPlatform is selected in Windows patch settings.
WindowsVMGuestPatchMode	Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible. Possible values are: **Manual** - You control the application of patches to a virtual machine. You do this by applying patches manually inside the VM. In this mode, automatic updates are disabled; the property WindowsConfiguration.enableAutomaticUpdates must be false **AutomaticByOS** - The virtual machine will automatically be updated by the OS. The property WindowsConfiguration.enableAutomaticUpdates must be true. **AutomaticByPlatform** - the virtual machine will automatically updated by the platform. The properties provisionVMAgent and WindowsConfiguration.enableAutomaticUpdates must be true
WinRMConfiguration	Describes Windows Remote Management configuration of the VM
WinRMListener	Describes Protocol and thumbprint of Windows Remote Management listener

ZonePlacementPolicyType	Specifies the policy for resource's placement in availability zone. Possible values are: **Any** (used for Virtual Machines), **Auto** (used for Virtual Machine Scale Sets) - An availability zone will be automatically picked by system as part of resource creation.

AdditionalCapabilities

Object

Enables or disables a capability on the virtual machine or virtual machine scale set.

Name	Type	Description
enableFips1403Encryption	boolean	The flag enables the usage of FIPS 140-3 compliant cryptography on the protectedSettings of an extension. Learn more at: https://aka.ms/linuxagentfipssupport.
hibernationEnabled	boolean	The flag that enables or disables hibernation capability on the VM.
ultraSSDEnabled	boolean	The flag that enables or disables a capability to have one or more managed data disks with UltraSSD_LRS storage account type on the VM or VMSS. Managed disks with storage account type UltraSSD_LRS can be added to a virtual machine or virtual machine scale set only if this property is enabled.

AdditionalUnattendContent

Object

Specifies additional XML formatted information that can be included in the Unattend.xml file, which is used by Windows Setup. Contents are defined by setting name, component name, and the pass in which the content is applied.

Name	Type	Description
componentName	ComponentNames	The component name. Currently, the only allowable value is Microsoft-Windows-Shell-Setup.
content	string	Specifies the XML formatted content that is added to the unattend.xml file for the specified path and component. The XML must be less than 4KB and must include the root element for the setting or feature that is being inserted.
passName	PassNames	The pass name. Currently, the only allowable value is OobeSystem.
settingName	SettingNames	Specifies the name of the setting to which the content applies. Possible values are: FirstLogonCommands and AutoLogon.

AllInstancesDown

Object

Specifies if Scheduled Events should be auto-approved when all instances are down.

Name	Type	Description
automaticallyApprove	boolean	Specifies if Scheduled Events should be auto-approved when all instances are down. its default value is true

ApiEntityReference

Object

The API entity reference.

Name	Type	Description
id	string	The ARM resource id in the form of /subscriptions/{SubscriptionId}/resourceGroups/{ResourceGroupName}/...

ApiError

Object

Api error.

Name	Type	Description
code	string	The error code.
details	ApiErrorBase[]	The Api error details
innererror	InnerError	The Api inner error
message	string	The error message.
target	string	The target of the particular error.

ApiErrorBase

Object

Api error base.

Name	Type	Description
code	string	The error code.
message	string	The error message.
target	string	The target of the particular error.

ApplicationProfile

Object

Contains the list of gallery applications that should be made available to the VM/VMSS

Name	Type	Description
galleryApplications	VMGallery Application[]	Specifies the gallery applications that should be made available to the VM/VMSS

AvailablePatchSummary

Object

Describes the properties of an virtual machine instance view for available patch summary.

Name	Type	Description

assessmentActivityId	string	The activity ID of the operation that produced this result. It is used to correlate across CRP and extension logs.
criticalAndSecurityPatchCount	integer (int32)	The number of critical or security patches that have been detected as available and not yet installed.
error	ApiError	The errors that were encountered during execution of the operation. The details array contains the list of them.
lastModifiedTime	string (date-time)	The UTC timestamp when the operation began.
otherPatchCount	integer (int32)	The number of all available patches excluding critical and security.
rebootPending	boolean	The overall reboot status of the VM. It will be true when partially installed patches require a reboot to complete installation but the reboot has not yet occurred.
startTime	string (date-time)	The UTC timestamp when the operation began.
status	Patch Operation Status	The overall success or failure status of the operation. It remains "InProgress" until the operation completes. At that point it will become "Unknown", "Failed", "Succeeded", or "CompletedWithWarnings."

BillingProfile

Object

Specifies the billing related details of a Azure Spot VM or VMSS. Minimum api-version: 2019-03-01.

Name	Type	Description
maxPrice	number (double)	Specifies the maximum price you are willing to pay for a Azure Spot VM/VMSS. This price is in US Dollars. This price will be compared with the current Azure Spot price for the VM size. Also, the prices are compared at the time of create/update of Azure Spot VM/VMSS and the operation will only succeed if the maxPrice is greater than the current Azure Spot price. The maxPrice will also be used for evicting a Azure Spot VM/VMSS if the current Azure Spot price goes beyond the maxPrice after creation of VM/VMSS. Possible values are: - Any decimal value greater than zero. Example: 0.01538 -1 – indicates default price to be up-to on-demand. You can set the maxPrice to -1 to indicate that the Azure Spot VM/VMSS should not be evicted for price reasons. Also, the default max price is -1 if it is not provided by you. Minimum api-version: 2019-03-01.

BootDiagnostics

Object

Boot Diagnostics is a debugging feature which allows you to view Console Output and Screenshot to diagnose VM status. You can easily view the output of your console log. Azure also enables you to see a screenshot of the VM from the hypervisor.

Name	Type	Description
enabled	boolean	Whether boot diagnostics should be enabled on the Virtual Machine.
storageUri	string	Uri of the storage account to use for placing the console output and screenshot. If storageUri is not specified while enabling boot diagnostics, managed storage will be used.

BootDiagnosticsInstanceView

Object

The instance view of a virtual machine boot diagnostics.

Name	Type	Description
consoleScreenshotBlobUri	string	The console screenshot blob URI. **Note:** This will **not** be set if boot diagnostics is currently enabled with managed storage.
serialConsoleLogBlobUri	string	The serial console log blob Uri. **Note:** This will **not** be set if boot diagnostics is currently enabled with managed storage.
status	InstanceView Status	The boot diagnostics status information for the VM. **Note:** It will be set only if there are errors encountered in enabling boot diagnostics.

CachingTypes

Enumeration

Specifies the caching requirements. Possible values are: **None, ReadOnly, ReadWrite.** The default values are: **None for Standard storage. ReadOnly for Premium storage**

Value	Description
None	
ReadOnly	
ReadWrite	

CapacityReservationProfile

Object

The parameters of a capacity reservation Profile.

Name	Type	Description
capacityReservationGroup	Sub Resource	Specifies the capacity reservation group resource id that should be used for allocating the virtual machine or scaleset vm instances provided enough capacity has been reserved. Please refer to https://aka.ms/CapacityReservation for more details.

CloudError

Object

An error response from the Compute service.

Name	Type	Description
error	ApiError	Api error.

Common.UserAssignedIdentitiesValue

Object

Name	Type	Description
clientId	string	The client id of user assigned identity.
principalId	string	The principal id of user assigned identity.

ComponentNames

Enumeration

Value	Description
Microsoft-Windows-Shell-Setup	

createdByType

Enumeration

The type of identity that created the resource.

Value	Description
User	
Application	
ManagedIdentity	
Key	

DataDisk

Object

Describes a data disk.

Name	Type	Description
caching	Caching Types	Specifies the caching requirements. Possible values are: **None, ReadOnly, ReadWrite.** The defaulting behavior is: **None for Standard storage. ReadOnly for Premium storage.**
createOption	DiskCreate Option Types	Specifies how the virtual machine disk should be created. Possible values are **Attach:** This value is used when you are using a specialized disk to create the virtual machine. **FromImage:** This value is used when you are using an image to create the virtual machine data disk. If you are using a platform image, you should also use the imageReference element described above. If you are using a marketplace image, you should also use the plan element previously described. **Empty:** This value is used when creating an empty data disk. **Copy:** This value is used to create a data disk from a snapshot or another disk. **Restore:** This value is used to create a data disk from a disk restore point.
deleteOption	DiskDelete Option	Specifies whether data disk should be deleted or detached upon VM deletion. Possible values are: **Delete.** If this value is used, the data disk is

	Types	deleted when VM is deleted. **Detach.** If this value is used, the data disk is retained after VM is deleted. The default value is set to **Detach**.
detachOption	DiskDetachOption Types	Specifies the detach behavior to be used while detaching a disk or which is already in the process of detachment from the virtual machine. Supported values: **ForceDetach.** detachOption: **ForceDetach** is applicable only for managed data disks. If a previous detachment attempt of the data disk did not complete due to an unexpected failure from the virtual machine and the disk is still not released then use force-detach as a last resort option to detach the disk forcibly from the VM. All writes might not have been flushed when using this detach behavior. **This feature is still in preview**. To force-detach a data disk update toBeDetached to 'true' along with setting detachOption: 'ForceDetach'.
diskIOPSReadWrite	integer (int64)	Specifies the Read-Write IOPS for the managed disk when StorageAccountType is UltraSSD_LRS.
diskMBpsReadWrite	integer (int64)	Specifies the bandwidth in MB per second for the managed disk when StorageAccountType is UltraSSD_LRS.
diskSizeGB	integer (int32)	Specifies the size of an empty data disk in gigabytes. This element can be used to overwrite the size of the disk in a virtual machine image. The property 'diskSizeGB' is the number of bytes x 1024^3 for the disk and the value cannot be larger than 1023.
image	VirtualHardDisk	The source user image virtual hard disk. The virtual hard disk will be copied before being attached to the virtual machine. If SourceImage is provided, the destination virtual hard drive must not exist.
lun	integer (int32)	Specifies the logical unit number of the data disk. This value is used to identify data disks within the VM and therefore must be unique for each data disk attached to a VM.
managedDisk	ManagedDiskParameters	The managed disk parameters.
name	string	The disk name.
sourceResource	ApiEntityReference	The source resource identifier. It can be a snapshot, or disk restore point from which to create a disk.
toBeDetached	boolean	Specifies whether the data disk is in process of detachment from the VirtualMachine/VirtualMachineScaleset
vhd	VirtualHardDisk	The virtual hard disk.
writeAcceleratorEnabled	boolean	Specifies whether writeAccelerator should be enabled or disabled on the disk.

DeleteOptions

Enumeration

Specify what happens to the network interface when the VM is deleted

Value	Description
Delete	
Detach	

DiagnosticsProfile

Object

Specifies the boot diagnostic settings state. Minimum api-version: 2015-06-15.

Name	Type	Description
bootDiagnostics	Boot Diagnostics	Boot Diagnostics is a debugging feature which allows you to view Console Output and Screenshot to diagnose VM status. **NOTE**: If storageUri is being specified then ensure that the storage account is in the same region and subscription as the VM. You can easily view the output of your console log. Azure also enables you to see a screenshot of the VM from the hypervisor.

DiffDiskOptions

Enumeration

Specifies the ephemeral disk option for operating system disk.

DiffDiskPlacement

Enumeration

Specifies the ephemeral disk placement for operating system disk. This property can be used by user in the request to choose the location i.e, cache disk, resource disk or nvme disk space for Ephemeral OS disk provisioning. For more information on Ephemeral OS disk size requirements, please refer Ephemeral OS disk size requirements for Windows VM at https://docs.microsoft.com/azure/virtual-machines/windows/ephemeral-os-disks#size-requirements and Linux VM at https://docs.microsoft.com/azure/virtual-machines/linux/ephemeral-os-disks#size-requirements. Minimum api-version for NvmeDisk: 2024-03-01.

Value	Description
CacheDisk	
ResourceDisk	
NvmeDisk	

DiffDiskSettings

Object

Describes the parameters of ephemeral disk settings that can be specified for operating system disk. **Note:** The ephemeral disk settings can only be specified for managed disk.

DiskControllerTypes

Enumeration

Specifies the disk controller type configured for the VM and VirtualMachineScaleSet. This property is only supported for virtual machines whose operating system disk and VM sku supports Generation 2 (https://docs.microsoft.com/en-us/azure/virtual-machines/generation-2), please check the HyperVGenerations capability returned as part of VM sku capabilities in the response of Microsoft.Compute SKUs api for the region contains V2 (https://docs.microsoft.com/rest/api/compute/resourceskus/list). For more information about Disk Controller Types supported please refer to https://aka.ms/azure-diskcontrollertypes.

Value	Description

SCSI	
NVMe	

DiskCreateOptionTypes

Enumeration

Specifies how the virtual machine disk should be created. Possible values are **Attach:** This value is used when you are using a specialized disk to create the virtual machine. **FromImage:** This value is used when you are using an image to create the virtual machine. If you are using a platform image, you should also use the imageReference element described above. If you are using a marketplace image, you should also use the plan element previously described. **Empty:** This value is used when creating an empty data disk. **Copy:** This value is used to create a data disk from a snapshot or another disk. **Restore:** This value is used to create a data disk from a disk restore point.

Value	Description
FromImage	
Empty	
Attach	
Copy	
Restore	

DiskDeleteOptionTypes

Enumeration

Specifies the behavior of the managed disk when the VM gets deleted, for example whether the managed disk is deleted or detached. Supported values are: **Delete.** If this value is used, the managed disk is deleted when VM gets deleted. **Detach.** If this value is used, the managed disk is retained after VM gets deleted. Minimum api-version: 2021-03-01.

Value	Description
Delete	
Detach	

DiskDetachOptionTypes

Enumeration

Specifies the detach behavior to be used while detaching a disk or which is already in the process of detachment from the virtual machine. Supported values are: **ForceDetach.** detachOption: **ForceDetach** is applicable only for managed data disks. If a previous detachment attempt of the data disk did not complete due to an unexpected failure from the virtual machine and the disk is still not released then use force-detach as a last resort option to detach the disk forcibly from the VM. All writes might not have been flushed when using this detach behavior. **This feature is still in preview**. To force-detach a data disk update toBeDetached to 'true' along with setting detachOption: 'ForceDetach'.

Value	Description
ForceDetach	

DiskEncryptionSetParameters

Object

Describes the parameter of customer managed disk encryption set resource id that can be specified for disk. **Note:** The disk encryption set resource id can only be specified for managed disk. Please refer https://aka.ms/mdssewithcmkoverview for more details.

Name	Type	Description
id	string	Resource Id

DiskEncryptionSettings

Object

Describes a Encryption Settings for a Disk

Name	Type	Description
diskEncryptionKey	KeyVaultSecret Reference	Specifies the location of the disk encryption key, which is a Key Vault Secret.
enabled	boolean	Specifies whether disk encryption should be enabled on the virtual machine.
keyEncryptionKey	KeyVaultKeyReference	Specifies the location of the key encryption key in Key Vault.

DiskInstanceView

Object

The instance view of the disk.

Name	Type	Description
encryptionSettings	DiskEncryptionSettings[]	Specifies the encryption settings for the OS Disk. Minimum api-version: 2015-06-15
name	string	The disk name.
statuses	InstanceViewStatus[]	The resource status information.

DomainNameLabelScopeTypes

Enumeration

The Domain name label scope.The concatenation of the hashed domain name label that generated according to the policy from domain name label scope and vm index will be the domain name labels of the PublicIPAddress resources that will be created

Value	Description
TenantReuse	
SubscriptionReuse	
ResourceGroupReuse	
NoReuse	

EncryptionIdentity

Object

Specifies the Managed Identity used by ADE to get access token for keyvault operations.

Name	Type	Description
userAssignedIdentityResourceId	string	Specifies ARM Resource ID of one of the user identities associated with the VM.

EventGridAndResourceGraph

Object

Specifies eventGridAndResourceGraph related Scheduled Event related configurations.

Name	Type	Description
enable	boolean	Specifies if event grid and resource graph is enabled for Scheduled event related configurations.
scheduledEventsApiVersion	string	Specifies the api-version to determine which Scheduled Events configuration schema version will be delivered.

ExtendedLocation

Object

The complex type of the extended location.

Name	Type	Description
name	string	The name of the extended location.
type	ExtendedLocationTypes	The type of the extended location.

ExtendedLocationTypes

Enumeration

The type of the extended location.

Value	Description
EdgeZone	

HardwareProfile

Object

Specifies the hardware settings for the virtual machine.

HostEndpointSettings

Object

Specifies particular host endpoint settings.

Name	Type	Description
inVMAccessControlProfileReferenceId	string	Specifies the InVMAccessControlProfileVersion resource id in the format of /subscriptions/{SubscriptionId}/resourceGroups/{ResourceGroupName}/providers/Microsoft.Con
mode	Modes	Specifies the execution mode. In Audit mode, the system acts as if it is enforcing the access contro any requests to host endpoints. In Enforce mode, the system will enforce the access control and it

HyperVGenerationType

Enumeration

Specifies the HyperVGeneration Type associated with a resource

ImageReference

Object

Specifies information about the image to use. You can specify information about platform images, marketplace images, or virtual machine images. This element is required when you want to use a platform image, marketplace image, or virtual machine image, but is not used in other creation operations. NOTE: Image reference publisher and offer can only be set when you create the scale set.

Name	Type	Description
communityGalleryImageId	string	Specified the community gallery image unique id for vm deployment. This can be fetched from community gall
exactVersion	string	Specifies in decimal numbers, the version of platform image or marketplace image used to create the virtual ma 'version', only if the value specified in 'version' field is 'latest'.
id	string	Resource Id
offer	string	Specifies the offer of the platform image or marketplace image used to create the virtual machine.
publisher	string	The image publisher.
sharedGalleryImageId	string	Specified the shared gallery image unique id for vm deployment. This can be fetched from shared gallery image
sku	string	The image SKU.
version	string	Specifies the version of the platform image or marketplace image used to create the virtual machine. The allowe 'latest'. Major, Minor, and Build are decimal numbers. Specify 'latest' to use the latest version of an image availa 'latest', the VM image will not automatically update after deploy time even if a new version becomes available. gallery image deployment, gallery image should always use 'id' field for deployment, to use 'latest' version of ga '/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.Compute/galleries in the 'id' field without version input.

InnerError

Object

Inner error details.

Name	Type	Description
errordetail	string	The internal error message or exception dump.
exceptiontype	string	The exception type.

InstanceViewStatus

Object

Instance view status.

Name	Type	Description
code	string	The status code.
displayStatus	string	The short localizable label for the status.
level	StatusLevelTypes	The level code.

message	string	The detailed status message, including for alerts and error messages.
time	string (date-time)	The time of the status.

InstanceViewTypes

Enumeration

Value	Description
instanceView	
userData	
resiliencyView	

IPVersions

Enumeration

Available from Api-Version 2017-03-30 onwards, it represents whether the specific ipconfiguration is IPv4 or IPv6. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.

Value	Description
IPv4	
IPv6	

KeyVaultKeyReference

Object

Describes a reference to Key Vault Key

Name	Type	Description
keyUrl	string	The URL referencing a key encryption key in Key Vault.
sourceVault	SubResource	The relative URL of the Key Vault containing the key.

KeyVaultSecretReference

Object

Describes a reference to Key Vault Secret

Name	Type	Description
secretUrl	string	The URL referencing a secret in a Key Vault.
sourceVault	SubResource	The relative URL of the Key Vault containing the secret.

LastPatchInstallationSummary

Object

Describes the properties of the last installed patch summary.

Name	Type	Description

error	ApiError	The errors that were encountered during execution of the operation. The details array contains the list of them.
excludedPatchCount	integer (int32)	The number of all available patches but excluded explicitly by a customer-specified exclusion list match.
failedPatchCount	integer (int32)	The count of patches that failed installation.
installationActivityId	string	The activity ID of the operation that produced this result. It is used to correlate across CRP and extension logs.
installedPatchCount	integer (int32)	The count of patches that successfully installed.
lastModifiedTime	string (date-time)	The UTC timestamp when the operation began.
maintenanceWindowExceeded	boolean	Describes whether the operation ran out of time before it completed all its intended actions
notSelectedPatchCount	integer (int32)	The number of all available patches but not going to be installed because it didn't match a classification or inclusion list entry.
pendingPatchCount	integer (int32)	The number of all available patches expected to be installed over the course of the patch installation operation.
startTime	string (date-time)	The UTC timestamp when the operation began.
status	Patch Operation Status	The overall success or failure status of the operation. It remains "InProgress" until the operation completes. At that point it will become "Unknown", "Failed", "Succeeded", or "CompletedWithWarnings."

LinuxConfiguration

Object

Specifies the Linux operating system settings on the virtual machine. For a list of supported Linux distributions, see Linux on Azure-Endorsed Distributions.

Name	Type	Description
disablePasswordAuthentication	boolean	Specifies whether password authentication should be disabled.
enableVMAgentPlatformUpdates	boolean	Indicates whether VMAgent Platform Updates is enabled for the Linux virtual machine. Default value is false.
patchSettings	LinuxPatch Settings	[Preview Feature] Specifies settings related to VM Guest Patching on Linux.

provisionVMAgent	boolean	Indicates whether virtual machine agent should be provisioned on the virtual machine. When this property is not specified in the request body, default behavior is to set it to true. This will ensure that VM Agent is installed on the VM so that extensions can be added to the VM later.
ssh	Ssh Configuration	Specifies the ssh key configuration for a Linux OS.

LinuxPatchAssessmentMode

Enumeration

Specifies the mode of VM Guest Patch Assessment for the IaaS virtual machine.

Possible values are:

ImageDefault - You control the timing of patch assessments on a virtual machine.

AutomaticByPlatform - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.

Value	Description
ImageDefault	
AutomaticByPlatform	

LinuxPatchSettings

Object

Specifies settings related to VM Guest Patching on Linux.

Name	Type	Description
assessmentMode	LinuxPatch AssessmentMode	Specifies the mode of VM Guest Patch Assessment for the IaaS virtual machine. Possible values are: **ImageDefault** - You control the timing of patch assessments on a virtual machine. **AutomaticByPlatform** - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.
automaticByPlatformSettings	LinuxVMGuestPatch AutomaticByPlatform Settings	Specifies additional settings for patch mode AutomaticByPlatform in VM Guest Patching on Linux.
patchMode	LinuxVMGuestPatch Mode	Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible. Possible values are: **ImageDefault** - The virtual machine's default patching configuration is used. **AutomaticByPlatform** - The virtual machine will be automatically updated by the platform. The property provisionVMAgent must be true

LinuxVMGuestPatchAutomaticByPlatformRebootSetting

Enumeration

Specifies the reboot setting for all AutomaticByPlatform patch installation operations.

Value	Description
Unknown	
IfRequired	
Never	
Always	

LinuxVMGuestPatchAutomaticByPlatformSettings

Object

Specifies additional settings to be applied when patch mode AutomaticByPlatform is selected in Linux patch settings.

Name	Type	Description
bypassPlatformSafetyChecksOnUserSchedule	boolean	Enables customer to schedule patching without accidental upgrades
rebootSetting	LinuxVMGuestPatchAutomaticByPlatformRebootSetting	Specifies the reboot setting for all AutomaticByPlatform patch installation operations.

LinuxVMGuestPatchMode

Enumeration

Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible.

Possible values are:

ImageDefault - The virtual machine's default patching configuration is used.

AutomaticByPlatform - The virtual machine will be automatically updated by the platform. The property provisionVMAgent must be true

Value	Description
ImageDefault	
AutomaticByPlatform	

MaintenanceOperationResultCodeTypes

Enumeration

The Last Maintenance Operation Result Code.

Value	Description
None	
RetryLater	
MaintenanceAborted	
MaintenanceCompleted	

MaintenanceRedeployStatus

Object

Maintenance Operation Status.

Name	Type	Description
isCustomerInitiatedMaintenanceAllowed	boolean	True, if customer is allowed to perform Maintenance.
lastOperationMessage	string	Message returned for the last Maintenance Operation.
lastOperationResultCode	MaintenanceOperationResultCodeTypes	The Last Maintenance Operation Result Code.
maintenanceWindowEndTime	string (date-time)	End Time for the Maintenance Window.
maintenanceWindowStartTime	string (date-time)	Start Time for the Maintenance Window.
preMaintenanceWindowEndTime	string (date-time)	End Time for the Pre Maintenance Window.
preMaintenanceWindowStartTime	string (date-time)	Start Time for the Pre Maintenance Window.

ManagedDiskParameters

Object

The parameters of a managed disk.

Name	Type	Description
diskEncryptionSet	DiskEncryptionSetParameters	Specifies the customer managed disk encryption set resource id for the managed disk.
id	string	Resource Id
securityProfile	VMDiskSecurityProfile	Specifies the security profile for the managed disk.
storageAccountType	StorageAccountTypes	Specifies the storage account type for the managed disk. NOTE: UltraSSD_LRS can only be used with data disks, it cannot be used with OS Disk.

Mode

Enumeration

Specifies the mode that ProxyAgent will execute on if the feature is enabled. ProxyAgent will start to audit or monitor but not enforce access control over requests to host endpoints in Audit mode, while in Enforce mode it will enforce access control. The default value is Enforce mode.

Value	Description
Audit	

Enforce	

Modes

Enumeration

Specifies the execution mode. In Audit mode, the system acts as if it is enforcing the access control policy, including emitting access denial entries in the logs but it does not actually deny any requests to host endpoints. In Enforce mode, the system will enforce the access control and it is the recommended mode of operation.

Value	Description
Audit	
Enforce	
Disabled	

NetworkApiVersion

Enumeration

specifies the Microsoft.Network API version used when creating networking resources in the Network Interface Configurations

Value	Description
2020-11-01	
2022-11-01	

NetworkInterfaceAuxiliaryMode

Enumeration

Specifies whether the Auxiliary mode is enabled for the Network Interface resource.

Value	Description
None	
AcceleratedConnections	
Floating	

NetworkInterfaceAuxiliarySku

Enumeration

Specifies whether the Auxiliary sku is enabled for the Network Interface resource.

Value	Description
None	
A1	
A2	
A4	
A8	

NetworkInterfaceReference

Object

Describes a network interface reference.

Name	Type	Description

id	string	Resource Id
properties.deleteOption	Delete Options	Specify what happens to the network interface when the VM is deleted
properties.primary	boolean	Specifies the primary network interface in case the virtual machine has more than 1 network interface.

NetworkProfile

Object

Specifies the network interfaces or the networking configuration of the virtual machine.

Name	Type	Description
networkApiVersion	NetworkApiVersion	specifies the Microsoft.Network API version used when creating networking resources in the Network Interface Configurations
networkInterfaceConfigurations	VirtualMachineNetwork InterfaceConfiguration[]	Specifies the networking configurations that will be used to create the virtual machine networking resources.
networkInterfaces	NetworkInterface Reference[]	Specifies the list of resource Ids for the network interfaces associated with the virtual machine.

OperatingSystemTypes

Enumeration

This property allows you to specify the type of the OS that is included in the disk if creating a VM from a custom image. Possible values are: **Windows, Linux.**

Value	Description
Windows	
Linux	

OSDisk

Object

Specifies information about the operating system disk used by the virtual machine. For more information about disks, see About disks and VHDs for Azure virtual machines.

Name	Type	Description
caching	Caching Types	Specifies the caching requirements. Possible values are: **None, ReadOnly, ReadWrite.** The defaulting behavior is: **None for Standard storage. ReadOnly for Premium storage.**

createOption	DiskCreateOptionTypes	Specifies how the virtual machine disk should be created. Possible values are **Attach:** This value is used when you are using a specialized disk to create the virtual machine. **FromImage:** This value is used when you are using an image to create the virtual machine. If you are using a platform image, you should also use the imageReference element described above. If you are using a marketplace image, you should also use the plan element previously described.
deleteOption	DiskDeleteOptionTypes	Specifies whether OS Disk should be deleted or detached upon VM deletion. Possible values are: **Delete.** If this value is used, the OS disk is deleted when VM is deleted. **Detach.** If this value is used, the os disk is retained after VM is deleted. The default value is set to **Detach**. For an ephemeral OS Disk, the default value is set to **Delete**. The user cannot change the delete option for an ephemeral OS Disk.
diffDiskSettings	DiffDiskSettings	Specifies the ephemeral Disk Settings for the operating system disk used by the virtual machine.
diskSizeGB	integer (int32)	Specifies the size of an empty data disk in gigabytes. This element can be used to overwrite the size of the disk in a virtual machine image. The property 'diskSizeGB' is the number of bytes x 1024^3 for the disk and the value cannot be larger than 1023.
encryptionSettings	DiskEncryptionSettings	Specifies the encryption settings for the OS Disk. Minimum api-version: 2015-06-15.
image	VirtualHardDisk	The source user image virtual hard disk. The virtual hard disk will be copied before being attached to the virtual machine. If SourceImage is provided, the destination virtual hard drive must not exist.
managedDisk	ManagedDiskParameters	The managed disk parameters.
name	string	The disk name.
osType	OperatingSystemTypes	This property allows you to specify the type of the OS that is included in the disk if creating a VM from user-image or a specialized VHD. Possible values are: **Windows, Linux.**
vhd	VirtualHardDisk	The virtual hard disk.
writeAcceleratorEnabled	boolean	Specifies whether writeAccelerator should be enabled or disabled on the disk.

OSImageNotificationProfile

Object

Name	Type	Description

enable	boolean	Specifies whether the OS Image Scheduled event is enabled or disabled.
notBeforeTimeout	string	Length of time a Virtual Machine being reimaged or having its OS upgraded will have to potentially approve the OS Image Scheduled Event before the event is auto approved (timed out). The configuration is specified in ISO 8601 format, and the value must be 15 minutes (PT15M)

OSProfile

Object

Specifies the operating system settings for the virtual machine. Some of the settings cannot be changed once VM is provisioned.

Name	Type	Description
adminPassword	string (password)	Specifies the password of the administrator account. **Minimum-length (Windows):** 8 characters **Minimum-length (Linux):** 6 characters **Max-length (Windows):** 123 characters **Max-length (Linux):** 72 characters **Complexity requirements:** 3 out of 4 conditions below need to be fulfilled Has lower characters Has upper characters Has a digit Has a special character (Regex match [\W_]) **Disallowed values:** "abc@123", "P@$$w0rd", "P@ssw0rd", "P@ssword123", "Pa$$word", "pass@word1", "Password!", "Password1", "Password22", "iloveyou!" For resetting the password, see How to reset the Remote Desktop service or its login password in a Windows VM For resetting root password, see Manage users, SSH, and check or repair disks on Azure Linux VMs using the VMAccess Extension
adminUsername	string	Specifies the name of the administrator account. This property cannot be updated after the VM is created. **Windows-only restriction:** Cannot end in "." **Disallowed values:** "administrator", "admin", "user", "user1", "test", "user2", "test1", "user3", "admin1", "1", "123", "a", "actuser", "adm", "admin2", "aspnet", "backup", "console", "david", "guest", "john", "owner", "root", "server", "sql", "support", "support_388945a0", "sys", "test2", "test3", "user4", "user5". **Minimum-length (Linux):** 1 character **Max-length (Linux):** 64 characters **Max-length (Windows):** 20 characters.
allowExtensionOperations	boolean	Specifies whether extension operations should be allowed on the virtual machine. This may only be set to False when no extensions are present on the virtual machine.

computerName	string	Specifies the host OS name of the virtual machine. This name cannot be updated after the VM is created. **Max-length (Windows):** 15 characters. **Max-length (Linux):** 64 characters. For naming conventions and restrictions see Azure infrastructure services implementation guidelines.
customData	string	Specifies a base-64 encoded string of custom data. The base-64 encoded string is decoded to a binary array that is saved as a file on the Virtual Machine. The maximum length of the binary array is 65535 bytes. **Note: Do not pass any secrets or passwords in customData property.** This property cannot be updated after the VM is created. The property 'customData' is passed to the VM to be saved as a file, for more information see Custom Data on Azure VMs. For using cloud-init for your Linux VM, see Using cloud-init to customize a Linux VM during creation.
linuxConfiguration	Linux Configuration	Specifies the Linux operating system settings on the virtual machine. For a list of supported Linux distributions, see Linux on Azure-Endorsed Distributions.
requireGuestProvisionSignal	boolean	Optional property which must either be set to True or omitted.
secrets	VaultSecret Group[]	Specifies set of certificates that should be installed onto the virtual machine. To install certificates on a virtual machine it is recommended to use the Azure Key Vault virtual machine extension for Linux or the Azure Key Vault virtual machine extension for Windows.
windowsConfiguration	Windows Configuration	Specifies Windows operating system settings on the virtual machine.

PassNames

Enumeration

Value	Description
OobeSystem	

PatchOperationStatus

Enumeration

The overall success or failure status of the operation. It remains "InProgress" until the operation completes. At that point it will become "Unknown", "Failed", "Succeeded", or "CompletedWithWarnings."

Value	Description
Unknown	
InProgress	
Failed	
Succeeded	
CompletedWithWarnings	

PatchSettings

Object

Specifies settings related to VM Guest Patching on Windows.

Name	Type	Description
assessmentMode	WindowsPatchAssessmentMode	Specifies the mode of VM Guest patch assessment for the IaaS virtual machine. Possible values are: **ImageDefault** - You control the timing of patch assessments on a virtual machine. **AutomaticByPlatform** - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.
automaticByPlatformSettings	WindowsVMGuestPatchAutomaticByPlatformSettings	Specifies additional settings for patch mode AutomaticByPlatform in VM Guest Patching on Windows.
enableHotpatching	boolean	Enables customers to patch their Azure VMs without requiring a reboot. For enableHotpatching, the 'provisionVMAgent' must be set to true and 'patchMode' must be set to 'AutomaticByPlatform'.
patchMode	WindowsVMGuestPatchMode	Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible. Possible values are: **Manual** - You control the application of patches to a virtual machine. You do this by applying patches manually inside the VM. In this mode, automatic updates are disabled; the property WindowsConfiguration.enableAutomaticUpdates must be false **AutomaticByOS** - The virtual machine will automatically be updated by the OS. The property WindowsConfiguration.enableAutomaticUpdates must be true. **AutomaticByPlatform** - the virtual machine will automatically updated by the platform. The properties provisionVMAgent and WindowsConfiguration.enableAutomaticUpdates must be true

Placement

Object

Describes the user-defined constraints for resource hardware placement.

Name	Type	Description
excludeZones	string[]	This property supplements the 'zonePlacementPolicy' property. If 'zonePlacementPolicy' is set to 'Any'/'Auto', availability zone selected by the system must not be present in the list of availability zones passed with 'excludeZones'. If 'excludeZones' is not provided, all availability zones in region will be considered for selection.

includeZones	string[]	This property supplements the 'zonePlacementPolicy' property. If 'zonePlacementPolicy' is set to 'Any'/'Auto', availability zone selected by the system must be present in the list of availability zones passed with 'includeZones'. If 'includeZones' is not provided, all availability zones in region will be considered for selection.
zonePlacementPolicy	Zone Placement PolicyType	Specifies the policy for resource's placement in availability zone. Possible values are: **Any** (used for Virtual Machines), **Auto** (used for Virtual Machine Scale Sets) - An availability zone will be automatically picked by system as part of resource creation.

Plan

Object

Specifies information about the marketplace image used to create the virtual machine. This element is only used for marketplace images. Before you can use a marketplace image from an API, you must enable the image for programmatic use. In the Azure portal, find the marketplace image that you want to use and then click **Want to deploy programmatically, Get Started ->**. Enter any required information and then click **Save**.

Name	Type	Description
name	string	The plan ID.
product	string	Specifies the product of the image from the marketplace. This is the same value as Offer under the imageReference element.
promotionCode	string	The promotion code.
publisher	string	The publisher ID.

ProtocolTypes

Enumeration

Specifies the protocol of WinRM listener. Possible values are: **http, https.**

Value	Description
Http	
Https	

ProxyAgentSettings

Object

Specifies ProxyAgent settings for the virtual machine or virtual machine scale set. Minimum api-version: 2023-09-01.

Name	Type	Description
addProxyAgentExtension	boolean	Specify whether to implicitly install the ProxyAgent Extension. This option is currently applicable only for Linux Os.
enabled	boolean	Specifies whether ProxyAgent feature should be enabled on the virtual machine or virtual machine scale set.

imds	HostEndpoint Settings	Specifies the IMDS endpoint settings while creating the virtual machine or virtual machine scale set. Minimum api-version: 2024-03-01.
keyIncarnationId	integer (int32)	Increase the value of this property allows users to reset the key used for securing communication channel between guest and host.
mode	Mode	Specifies the mode that ProxyAgent will execute on. Warning: this property has been deprecated, please specify 'mode' under particular hostendpoint setting.
wireServer	HostEndpoint Settings	Specifies the Wire Server endpoint settings while creating the virtual machine or virtual machine scale set. Minimum api-version: 2024-03-01.

PublicIPAddressSku

Object

Describes the public IP Sku. It can only be set with OrchestrationMode as Flexible.

Name	Type	Description
name	PublicIPAddressSkuName	Specify public IP sku name
tier	PublicIPAddressSkuTier	Specify public IP sku tier

PublicIPAddressSkuName

Enumeration

Specify public IP sku name

Value	Description
Basic	
Standard	

PublicIPAddressSkuTier

Enumeration

Specify public IP sku tier

Value	Description
Regional	
Global	

PublicIPAllocationMethod

Enumeration

Specify the public IP allocation type

Value	Description
Dynamic	
Static	

ResourceIdentityType

Enumeration

The type of identity used for the virtual machine. The type 'SystemAssigned, UserAssigned' includes both an implicitly created identity and a set of user assigned identities. The type 'None' will remove any identities from the virtual machine.

Value	Description
SystemAssigned	
UserAssigned	
SystemAssigned, UserAssigned	
None	

ScheduledEventsAdditionalPublishingTargets

Object

Name	Type	Description
eventGridAndResourceGraph	EventGridAndResourceGraph	The configuration parameters used while creating eventGridAndResourceGraph Scheduled Event setting.

ScheduledEventsPolicy

Object

Specifies Redeploy, Reboot and ScheduledEventsAdditionalPublishingTargets Scheduled Event related configurations.

Name	Type	Description
allInstancesDown	AllInstancesDown	The configuration parameters used while creating AllInstancesDown scheduled event setting creation.
scheduledEventsAdditionalPublishingTargets	ScheduledEventsAdditionalPublishingTargets	The configuration parameters used while publishing scheduledEventsAdditionalPublishingTargets.
userInitiatedReboot	UserInitiatedReboot	The configuration parameters used while creating userInitiatedReboot scheduled event setting creation.
userInitiatedRedeploy	UserInitiatedRedeploy	The configuration parameters used while creating userInitiatedRedeploy scheduled event setting creation.

ScheduledEventsProfile

Object

Name	Type	Description
osImageNotificationProfile	OSImageNotificationProfile	Specifies OS Image Scheduled Event related configurations.
terminateNotificationProfile	TerminateNotificationProfile	Specifies Terminate Scheduled Event related configurations.

SecurityEncryptionTypes

Enumeration

Specifies the EncryptionType of the managed disk. It is set to DiskWithVMGuestState for encryption of the managed disk along with VMGuestState blob, VMGuestStateOnly for encryption of just the VMGuestState blob, and NonPersistedTPM for not persisting firmware state in the VMGuestState blob.. **Note:** It can be set for only Confidential VMs.

Value	Description
VMGuestStateOnly	
DiskWithVMGuestState	
NonPersistedTPM	

SecurityProfile

Object

Specifies the Security profile settings for the virtual machine or virtual machine scale set.

Name	Type	Description
encryptionAtHost	boolean	This property can be used by user in the request to enable or disable the Host Encryption for the virtual machine or virtual machine scale set. This will enable the encryption for all the disks including Resource/Temp disk at host itself. The default behavior is: The Encryption at host will be disabled unless this property is set to true for the resource.
encryptionIdentity	Encryption Identity	Specifies the Managed Identity used by ADE to get access token for keyvault operations.
proxyAgentSettings	ProxyAgent Settings	Specifies ProxyAgent settings while creating the virtual machine. Minimum api-version: 2023-09-01.
securityType	Security Types	Specifies the SecurityType of the virtual machine. It has to be set to any specified value to enable UefiSettings. The default behavior is: UefiSettings will not be enabled unless this property is set.
uefiSettings	UefiSettings	Specifies the security settings like secure boot and vTPM used while creating the virtual machine. Minimum api-version: 2020-12-01.

SecurityTypes

Enumeration

Specifies the SecurityType of the virtual machine. It has to be set to any specified value to enable UefiSettings. The default behavior is: UefiSettings will not be enabled unless this property is set.

Value	Description
TrustedLaunch	
ConfidentialVM	

SettingNames

Enumeration

Specifies the name of the setting to which the content applies. Possible values are: FirstLogonCommands and AutoLogon.

Value	Description
AutoLogon	

FirstLogonCommands	

SshConfiguration

Object

SSH configuration for Linux based VMs running on Azure

Name	Type	Description
publicKeys	SshPublicKey[]	The list of SSH public keys used to authenticate with linux based VMs.

SshPublicKey

Object

Contains information about SSH certificate public key and the path on the Linux VM where the public key is placed.

Name	Type	Description
keyData	string	SSH public key certificate used to authenticate with the VM through ssh. The key needs to be at least 2048-bit and in ssh-rsa format. For creating ssh keys, see [Create SSH keys on Linux and Mac for Linux VMs in Azure]https://docs.microsoft.com/azure/virtual-machines/linux/create-ssh-keys-detailed).
path	string	Specifies the full path on the created VM where ssh public key is stored. If the file already exists, the specified key is appended to the file. Example: /home/user/.ssh/authorized_keys

StatusLevelTypes

Enumeration

The level code.

Value	Description
Info	
Warning	
Error	

StorageAccountTypes

Enumeration

Specifies the storage account type for the managed disk. Managed OS disk storage account type can only be set when you create the scale set. NOTE: UltraSSD_LRS can only be used with data disks. It cannot be used with OS Disk. Standard_LRS uses Standard HDD. StandardSSD_LRS uses Standard SSD. Premium_LRS uses Premium SSD. UltraSSD_LRS uses Ultra disk. Premium_ZRS uses Premium SSD zone redundant storage. StandardSSD_ZRS uses Standard SSD zone redundant storage. For more information regarding disks supported for Windows Virtual Machines, refer to https://docs.microsoft.com/azure/virtual-machines/windows/disks-types and, for Linux Virtual Machines, refer to https://docs.microsoft.com/azure/virtual-machines/linux/disks-types

Value	Description
Standard_LRS	
Premium_LRS	
StandardSSD_LRS	
UltraSSD_LRS	
Premium_ZRS	
StandardSSD_ZRS	

PremiumV2_LRS	

StorageProfile

Object

Specifies the storage settings for the virtual machine disks.

Name	Type	Description
alignRegionalDisksToVMZone	boolean	Specifies whether the regional disks should be aligned/moved to the VM zone. This is applicable only for VMs with placement property set. Please note that this change is irreversible. Minimum api-version: 2024-11-01.
dataDisks	DataDisk[]	Specifies the parameters that are used to add a data disk to a virtual machine. For more information about disks, see About disks and VHDs for Azure virtual machines.
diskControllerType	Disk Controller Types	Specifies the disk controller type configured for the VM. **Note:** This property will be set to the default disk controller type if not specified provided virtual machine is being created with 'hyperVGeneration' set to V2 based on the capabilities of the operating system disk and VM size from the the specified minimum api version. You need to deallocate the VM before updating its disk controller type unless you are updating the VM size in the VM configuration which implicitly deallocates and reallocates the VM. Minimum api-version: 2022-08-01.
imageReference	Image Reference	Specifies information about the image to use. You can specify information about platform images, marketplace images, or virtual machine images. This element is required when you want to use a platform image, marketplace image, or virtual machine image, but is not used in other creation operations.
osDisk	OSDisk	Specifies information about the operating system disk used by the virtual machine. For more information about disks, see About disks and VHDs for Azure virtual machines.

SubResource

Object

Name	Type	Description
id	string	Resource Id

systemData

Object

Metadata pertaining to creation and last modification of the resource.

Name	Type	Description
createdAt	string (date-time)	The timestamp of resource creation (UTC).
createdBy	string	The identity that created the resource.

createdByType	createdByType	The type of identity that created the resource.
lastModifiedAt	string (date-time)	The timestamp of resource last modification (UTC)
lastModifiedBy	string	The identity that last modified the resource.
lastModifiedByType	createdByType	The type of identity that last modified the resource.

TerminateNotificationProfile

Object

Name	Type	Description
enable	boolean	Specifies whether the Terminate Scheduled event is enabled or disabled.
notBeforeTimeout	string	Configurable length of time a Virtual Machine being deleted will have to potentially approve the Terminate Scheduled Event before the event is auto approved (timed out). The configuration must be specified in ISO 8601 format, the default value is 5 minutes (PT5M)

UefiSettings

Object

Specifies the security settings like secure boot and vTPM used while creating the virtual machine. Minimum api-version: 2020-12-01.

Name	Type	Description
secureBootEnabled	boolean	Specifies whether secure boot should be enabled on the virtual machine. Minimum api-version: 2020-12-01.
vTpmEnabled	boolean	Specifies whether vTPM should be enabled on the virtual machine. Minimum api-version: 2020-12-01.

UserInitiatedReboot

Object

Specifies Reboot related Scheduled Event related configurations.

Name	Type	Description
automaticallyApprove	boolean	Specifies Reboot Scheduled Event related configurations.

UserInitiatedRedeploy

Object

Specifies Redeploy related Scheduled Event related configurations.

Name	Type	Description
automaticallyApprove	boolean	Specifies Redeploy Scheduled Event related configurations.

VaultCertificate

Object

Describes a single certificate reference in a Key Vault, and where the certificate should reside on the VM.

Name	Type	Description
certificateStore	string	For Windows VMs, specifies the certificate store on the Virtual Machine to which the certificate should be added. The specified certificate store is implicitly in the LocalMachine account. For Linux VMs, the certificate file is placed under the /var/lib/waagent directory, with the file name <UppercaseThumbprint>.crt for the X509 certificate file and <UppercaseThumbprint>.prv for private key. Both of these files are .pem formatted.

certificateUrl	string	This is the URL of a certificate that has been uploaded to Key Vault as a secret. For adding a secret to the Key Vault, see Add a key or secret to the key vault. In this case, your certificate needs to be It is the Base64 encoding of the following JSON Object which is encoded in UTF-8:
		
		{
		"data":"<Base64-encoded-certificate>",
		"dataType":"pfx",
		"password":"<pfx-file-password>"
		}
		To install certificates on a virtual machine it is recommended to use the Azure Key Vault virtual machine extension for Linux or the Azure Key Vault virtual machine extension for Windows.

VaultSecretGroup

Object

Describes a set of certificates which are all in the same Key Vault.

Name	Type	Description
sourceVault	SubResource	The relative URL of the Key Vault containing all of the certificates in VaultCertificates.
vaultCertificates	Vault Certificate[]	The list of key vault references in SourceVault which contain certificates.

VirtualHardDisk

Object

Describes the uri of a disk.

Name	Type	Description
uri	string	Specifies the virtual hard disk's uri.

VirtualMachine

Object

Describes a Virtual Machine.

Name	Type	Description
etag	string	Etag is property returned in Create/Update/Get response of the VM, so that customer can supply

extendedLocation	Extended Location	The extended location of the Virtual Machine.
id	string	Fully qualified resource ID for the resource. Ex - /subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/{resourcePro
identity	Virtual Machine Identity	The identity of the virtual machine, if configured.
location	string	The geo-location where the resource lives
managedBy	string	ManagedBy is set to Virtual Machine Scale Set(VMSS) flex ARM resourceID, if the VM is par for internal resource group delete optimization.
name	string	The name of the resource
placement	Placement	Placement section specifies the user-defined constraints for virtual machine hardware placemen provisioned. Minimum api-version: 2024-11-01.
plan	Plan	Specifies information about the marketplace image used to create the virtual machine. This eler you can use a marketplace image from an API, you must enable the image for programmatic us that you want to use and then click **Want to deploy programmatically, Get Started ->**. Enter
properties.additionalCapabilities	Additional Capabilities	Specifies additional capabilities enabled or disabled on the virtual machine.
properties.applicationProfile	Application Profile	Specifies the gallery applications that should be made available to the VM/VMSS.
properties.availabilitySet	Sub Resource	Specifies information about the availability set that the virtual machine should be assigned to. V set are allocated to different nodes to maximize availability. For more information about availat information on Azure planned maintenance, see Maintenance and updates for Virtual Machines availability set at creation time. The availability set to which the VM is being added should be u resource. An existing VM cannot be added to an availability set. This property cannot exist alor properties.virtualMachineScaleSet reference.
properties.billingProfile	Billing Profile	Specifies the billing related details of a Azure Spot virtual machine. Minimum api-version: 201
properties.capacityReservation	Capacity Reservation Profile	Specifies information about the capacity reservation that is used to allocate virtual machine. Mi
properties.diagnosticsProfile	Diagnostics Profile	Specifies the boot diagnostic settings state. Minimum api-version: 2015-06-15.
properties.evictionPolicy	Virtual Machine Eviction	Specifies the eviction policy for the Azure Spot virtual machine and Azure Spot scale set. For A 'Delete' are supported and the minimum api-version is 2019-03-01. For Azure Spot scale sets, b minimum api-version is 2017-10-30-preview.

	Policy Types	
properties.extensionsTimeBudget	string	Specifies the time alloted for all extensions to start. The time duration should be between 15 mi specified in ISO 8601 format. The default value is 90 minutes (PT1H30M). Minimum api-versi
properties.hardwareProfile	Hardware Profile	Specifies the hardware settings for the virtual machine.
properties.host	Sub Resource	Specifies information about the dedicated host that the virtual machine resides in. Minimum api
properties.hostGroup	Sub Resource	Specifies information about the dedicated host group that the virtual machine resides in. **Note:** properties. Minimum api-version: 2020-06-01.
properties.instanceView	Virtual Machine Instance View	The virtual machine instance view.
properties.licenseType	string	Specifies that the image or disk that is being used was licensed on-premises. Possible values for Windows Server operating system are: Windows_Client Windows_Server Possible values for Linux Server operating system are: RHEL_BYOS (for RHEL) SLES_BYOS (for SUSE) For more information, see Azure Hybrid Use Benefit for Windows Server Azure Hybrid Use Benefit for Linux Server Minimum api-version: 2015-06-15
properties.networkProfile	Network Profile	Specifies the network interfaces of the virtual machine.
properties.osProfile	OSProfile	Specifies the operating system settings used while creating the virtual machine. Some of the set
properties.platformFaultDomain	integer (int32)	Specifies the scale set logical fault domain into which the Virtual Machine will be created. By d assigned to a fault domain that best maintains balance across available fault domains. This is ap property of this Virtual Machine is set. The Virtual Machine Scale Set that is referenced, must h This property cannot be updated once the Virtual Machine is created. Fault domain assignment View. Minimum api-version: 2020-12-01.
properties.priority	Virtual Machine Priority Types	Specifies the priority for the virtual machine. Minimum api-version: 2019-03-01
properties.provisioningState	string	The provisioning state, which only appears in the response.

properties.proximityPlacementGroup	Sub Resource	Specifies information about the proximity placement group that the virtual machine should be a
properties.scheduledEventsPolicy	Scheduled Events Policy	Specifies Redeploy, Reboot and ScheduledEventsAdditionalPublishingTargets Scheduled Even
properties.scheduledEventsProfile	Scheduled Events Profile	Specifies Scheduled Event related configurations.
properties.securityProfile	Security Profile	Specifies the Security related profile settings for the virtual machine.
properties.storageProfile	Storage Profile	Specifies the storage settings for the virtual machine disks.
properties.timeCreated	string (date-time)	Specifies the time at which the Virtual Machine resource was created. Minimum api-version: 2(
properties.userData	string	UserData for the VM, which must be base-64 encoded. Customer should not pass any secrets in
properties.virtualMachineScaleSet	Sub Resource	Specifies information about the virtual machine scale set that the virtual machine should be assi virtual machine scale set are allocated to different nodes to maximize availability. Currently, a V creation time. An existing VM cannot be added to a virtual machine scale set. This property can properties.availabilitySet reference. Minimum api-version: 2019-03-01.
properties.vmId	string	Specifies the VM unique ID which is a 128-bits identifier that is encoded and stored in all Azur platform BIOS commands.
resources	Virtual Machine Extension[]	The virtual machine child extension resources.
systemData	systemData	Azure Resource Manager metadata containing createdBy and modifiedBy information.
tags	object	Resource tags.
type	string	The type of the resource. E.g. "Microsoft.Compute/virtualMachines" or "Microsoft.Storage/stor
zones	string[]	The availability zones.

VirtualMachineAgentInstanceView

Object

The instance view of the VM Agent running on the virtual machine.

Name	Type	Description

extensionHandlers	VirtualMachineExtensionHandlerInstanceView[]	The virtual machine extension handler instance view.
statuses	InstanceViewStatus[]	The resource status information.
vmAgentVersion	string	The VM Agent full version.

VirtualMachineEvictionPolicyTypes

Enumeration

Specifies the eviction policy for the Azure Spot VM/VMSS

Value	Description
Deallocate	
Delete	

VirtualMachineExtension

Object

Describes a Virtual Machine Extension.

Name	Type	Description
id	string	Fully qualified resource ID for the resource. Ex - /subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/{resource
location	string	The geo-location where the resource lives
name	string	The name of the resource
properties.autoUpgradeMinorVersion	boolean	Indicates whether the extension should use a newer minor version if one is available at depl will not upgrade minor versions unless redeployed, even with this property set to true.
properties.enableAutomaticUpgrade	boolean	Indicates whether the extension should be automatically upgraded by the platform if there is
properties.forceUpdateTag	string	How the extension handler should be forced to update even if the extension configuration ha
properties.instanceView	VirtualMachineExtensionInstanceView	The virtual machine extension instance view.
properties.protectedSettings		The extension can contain either protectedSettings or protectedSettingsFromKeyVault or no
properties.protectedSettingsFromKeyVault	KeyVaultSecretReference	The extensions protected settings that are passed by reference, and consumed from key vaul
properties.provisionAfterExtensions	string[]	Collection of extension names after which this extension needs to be provisioned.

properties.provisioningState	string	The provisioning state, which only appears in the response.
properties.publisher	string	The name of the extension handler publisher.
properties.settings		Json formatted public settings for the extension.
properties.suppressFailures	boolean	Indicates whether failures stemming from the extension will be suppressed (Operational fail suppressed regardless of this value). The default is false.
properties.type	string	Specifies the type of the extension; an example is "CustomScriptExtension".
properties.typeHandlerVersion	string	Specifies the version of the script handler.
systemData	system Data	Azure Resource Manager metadata containing createdBy and modifiedBy information.
tags	object	Resource tags.
type	string	The type of the resource. E.g. "Microsoft.Compute/virtualMachines" or "Microsoft.Storage/

VirtualMachineExtensionHandlerInstanceView

Object

The instance view of a virtual machine extension handler.

Name	Type	Description
status	InstanceView Status	The extension handler status.
type	string	Specifies the type of the extension; an example is "CustomScriptExtension".
typeHandlerVersion	string	Specifies the version of the script handler.

VirtualMachineExtensionInstanceView

Object

The instance view of a virtual machine extension.

Name	Type	Description
name	string	The virtual machine extension name.
statuses	InstanceView Status[]	The resource status information.
substatuses	InstanceView Status[]	The resource status information.

type	string	Specifies the type of the extension; an example is "CustomScriptExtension".
typeHandlerVersion	string	Specifies the version of the script handler.

VirtualMachineHealthStatus

Object

The health status of the VM.

Name	Type	Description
status	InstanceViewStatus	The health status information for the VM.

VirtualMachineIdentity

Object

Identity for the virtual machine.

Name	Type	Description
principalId	string	The principal id of virtual machine identity. This property will only be provided for a system assigned identity.
tenantId	string	The tenant id associated with the virtual machine. This property will only be provided for a system assigned ide
type	ResourceIdentityType	The type of identity used for the virtual machine. The type 'SystemAssigned, UserAssigned' includes both an im user assigned identities. The type 'None' will remove any identities from the virtual machine.
userAssignedIdentities	<string, Common.UserAssignedIdentitiesValue>	The list of user identities associated with the Virtual Machine. The user identity dictionary key references will b '/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/u

VirtualMachineInstanceView

Object

The instance view of a virtual machine.

Name	Type	Description
assignedHost	string	Resource id of the dedicated host, on which the virtual machine is allocated through automatic placement, when the virtual machine is associated with a dedicated host group that has automatic placement enabled. Minimum api-version: 2020-06-01.
bootDiagnostics	BootDiagnosticsInstanceView	Boot Diagnostics is a debugging feature which allows you to view Console Output and Screenshot to diagnose VM status. You can easily view the output of your console log. Azure also enables you to see a screenshot of the VM from the hypervisor.

computerName	string	The computer name assigned to the virtual machine.
disks	DiskInstanceView[]	The virtual machine disk information.
extensions	VirtualMachineExtensionInstanceView[]	The extensions information.
hyperVGeneration	HyperVGenerationType	Specifies the HyperVGeneration Type associated with a resource
isVMInStandbyPool	boolean	[Preview Feature] Specifies whether the VM is currently in or out of the Standby Pool.
maintenanceRedeployStatus	MaintenanceRedeployStatus	The Maintenance Operation status on the virtual machine.
osName	string	The Operating System running on the virtual machine.
osVersion	string	The version of Operating System running on the virtual machine.
patchStatus	VirtualMachinePatchStatus	[Preview Feature] The status of virtual machine patch operations.
platformFaultDomain	integer (int32)	Specifies the fault domain of the virtual machine.
platformUpdateDomain	integer (int32)	Specifies the update domain of the virtual machine.
rdpThumbPrint	string	The Remote desktop certificate thumbprint.
statuses	InstanceViewStatus[]	The resource status information.
vmAgent	VirtualMachineAgentInstanceView	The VM Agent running on the virtual machine.
vmHealth	VirtualMachineHealthStatus	The health status for the VM.

VirtualMachineIpTag

Object

Contains the IP tag associated with the public IP address.

Name	Type	Description
ipTagType	string	IP tag type. Example: FirstPartyUsage.

tag	string	IP tag associated with the public IP. Example: SQL, Storage etc.

VirtualMachineNetworkInterfaceConfiguration

Object

Describes a virtual machine network interface configurations.

Name	Type	Description
name	string	The network interface configuration name.
properties.auxiliaryMode	NetworkInterfaceAuxiliaryMode	Specifies whether the Auxiliary mode is enabled for the Network Interface resource.
properties.auxiliarySku	NetworkInterfaceAuxiliarySku	Specifies whether the Auxiliary sku is enabled for the Network Interface resource.
properties.deleteOption	DeleteOptions	Specify what happens to the network interface when the VM is deleted
properties.disableTcpStateTracking	boolean	Specifies whether the network interface is disabled for tcp state tracking.
properties.dnsSettings	VirtualMachineNetworkInterfaceDnsSettingsConfiguration	The dns settings to be applied on the network interfaces.
properties.dscpConfiguration	SubResource	
properties.enableAcceleratedNetworking	boolean	Specifies whether the network interface is accelerated networking-enabled.
properties.enableFpga	boolean	Specifies whether the network interface is FPGA networking-enabled.
properties.enableIPForwarding	boolean	Whether IP forwarding enabled on this NIC.
properties.ipConfigurations	VirtualMachineNetworkInterfaceIPConfiguration[]	Specifies the IP configurations of the network interface.
properties.networkSecurityGroup	SubResource	The network security group.
properties.primary	boolean	Specifies the primary network interface in case the virtual machine has more than 1 network interface.
tags	object	Resource tags applied to the networkInterface address created by this NetworkInterfaceConfiguration

VirtualMachineNetworkInterfaceDnsSettingsConfiguration

Object

Describes a virtual machines network configuration's DNS settings.

Name	Type	Description
dnsServers	string[]	List of DNS servers IP addresses

VirtualMachineNetworkInterfaceIPConfiguration

Object

Describes a virtual machine network profile's IP configuration.

Name	Type	Description
name	string	The IP configuration name.
properties.applicationGatewayBackendAddressPools	SubResource[]	Specifies an array of references to backend address pools of application gateways. A virtual machine can reference backend address pools of multiple application gateways. Multiple virtual machines cannot use the same application gateway.
properties.applicationSecurityGroups	SubResource[]	Specifies an array of references to application security group.
properties.loadBalancerBackendAddressPools	SubResource[]	Specifies an array of references to backend address pools of load balancers. A virtual machine can reference backend address pools of one public and one internal load balancer. [Multiple virtual machines cannot use the same basic sku load balancer].
properties.primary	boolean	Specifies the primary network interface in case the virtual machine has more than 1 network interface.
properties.privateIPAddressVersion	IPVersions	Available from Api-Version 2017-03-30 onwards, it represents whether the specific ipconfiguration is IPv4 or IPv6. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.
properties.publicIPAddressConfiguration	VirtualMachinePublicIPAddressConfiguration	The publicIPAddressConfiguration.
properties.subnet	SubResource	Specifies the identifier of the subnet.

VirtualMachinePatchStatus

Object

The status of virtual machine patch operations.

Name	Type	Description
availablePatchSummary	AvailablePatchSummary	The available patch summary of the latest assessment operation for the virtual machine.
configurationStatuses	InstanceViewStatus[]	The enablement status of the specified patchMode
lastPatchInstallationSummary	LastPatchInstallationSummary	The installation summary of the latest installation operation for the virtual machine.

VirtualMachinePriorityTypes

Enumeration

Specifies the priority for a standalone virtual machine or the virtual machines in the scale set. 'Low' enum will be deprecated in the future, please use 'Spot' as the enum to deploy Azure Spot VM/VMSS.

Value	Description
Regular	
Low	
Spot	

VirtualMachinePublicIPAddressConfiguration

Object

Describes a virtual machines IP Configuration's PublicIPAddress configuration

Name	Type	Description
name	string	The publicIP address configuration name.
properties.deleteOption	DeleteOptions	Specify what happens to the public IP address when the VM is deleted
properties.dnsSettings	VirtualMachinePublicIPAddressDnsSettingsConfiguration	The dns settings to be applied on the publicIP addresses .
properties.idleTimeoutInMinutes	integer (int32)	The idle timeout of the public IP address.
properties.ipTags	VirtualMachineIpTag[]	The list of IP tags associated with the public IP address.
properties.publicIPAddressVersion	IPVersions	Available from Api-Version 2019-07-01 onwards, it represents whether the specific ipconfiguration is IPv4 or IPv6. Default is taken as IPv4. Possible values are: 'IPv4' and 'IPv6'.
properties.publicIPAllocationMethod	PublicIPAllocationMethod	Specify the public IP allocation type

properties.publicIPPrefix	SubResource	The PublicIPPrefix from which to allocate publicIP addresses.
sku	PublicIPAddressSku	Describes the public IP Sku. It can only be set with OrchestrationMode as Flexible.
tags	object	Resource tags applied to the publicIP address created by this PublicIPAddressConfiguration

VirtualMachinePublicIPAddressDnsSettingsConfiguration

Object

Describes a virtual machines network configuration's DNS settings.

Name	Type	Description
domainNameLabel	string	The Domain name label prefix of the PublicIPAddress resources that will be created. The generated name label is the concatenation of the domain name label and vm network profile unique ID.
domainNameLabelScope	DomainNameLabelScopeTypes	The Domain name label scope of the PublicIPAddress resources that will be created. The generated name label is the concatenation of the hashed domain name label with policy according to the domain name label scope and vm network profile unique ID.

VirtualMachineSizeTypes

Enumeration

Specifies the size of the virtual machine. The enum data type is currently deprecated and will be removed by December 23rd 2023. The recommended way to get the list of available sizes is using these APIs: List all available virtual machine sizes in an availability set, List all available virtual machine sizes in a region, List all available virtual machine sizes for resizing. For more information about virtual machine sizes, see Sizes for virtual machines. The available VM sizes depend on region and availability set.

Value	Description
Basic_A0	
Basic_A1	
Basic_A2	
Basic_A3	
Basic_A4	
Standard_A0	
Standard_A1	
Standard_A2	
Standard_A3	
Standard_A4	
Standard_A5	
Standard_A6	
Standard_A7	
Standard_A8	

Standard_A9	
Standard_A10	
Standard_A11	
Standard_A1_v2	
Standard_A2_v2	
Standard_A4_v2	
Standard_A8_v2	
Standard_A2m_v2	
Standard_A4m_v2	
Standard_A8m_v2	
Standard_B1s	
Standard_B1ms	
Standard_B2s	
Standard_B2ms	
Standard_B4ms	
Standard_B8ms	
Standard_D1	
Standard_D2	
Standard_D3	
Standard_D4	
Standard_D11	
Standard_D12	
Standard_D13	
Standard_D14	
Standard_D1_v2	
Standard_D2_v2	
Standard_D3_v2	
Standard_D4_v2	
Standard_D5_v2	
Standard_D2_v3	
Standard_D4_v3	
Standard_D8_v3	
Standard_D16_v3	
Standard_D32_v3	
Standard_D64_v3	
Standard_D2s_v3	
Standard_D4s_v3	
Standard_D8s_v3	
Standard_D16s_v3	
Standard_D32s_v3	

Standard_D64s_v3	
Standard_D11_v2	
Standard_D12_v2	
Standard_D13_v2	
Standard_D14_v2	
Standard_D15_v2	
Standard_DS1	
Standard_DS2	
Standard_DS3	
Standard_DS4	
Standard_DS11	
Standard_DS12	
Standard_DS13	
Standard_DS14	
Standard_DS1_v2	
Standard_DS2_v2	
Standard_DS3_v2	
Standard_DS4_v2	
Standard_DS5_v2	
Standard_DS11_v2	
Standard_DS12_v2	
Standard_DS13_v2	
Standard_DS14_v2	
Standard_DS15_v2	
Standard_DS13-4_v2	
Standard_DS13-2_v2	
Standard_DS14-8_v2	
Standard_DS14-4_v2	
Standard_E2_v3	
Standard_E4_v3	
Standard_E8_v3	
Standard_E16_v3	
Standard_E32_v3	
Standard_E64_v3	
Standard_E2s_v3	
Standard_E4s_v3	
Standard_E8s_v3	
Standard_E16s_v3	
Standard_E32s_v3	
Standard_E64s_v3	

Standard_E32-16_v3	
Standard_E32-8s_v3	
Standard_E64-32s_v3	
Standard_E64-16s_v3	
Standard_F1	
Standard_F2	
Standard_F4	
Standard_F8	
Standard_F16	
Standard_F1s	
Standard_F2s	
Standard_F4s	
Standard_F8s	
Standard_F16s	
Standard_F2s_v2	
Standard_F4s_v2	
Standard_F8s_v2	
Standard_F16s_v2	
Standard_F32s_v2	
Standard_F64s_v2	
Standard_F72s_v2	
Standard_G1	
Standard_G2	
Standard_G3	
Standard_G4	
Standard_G5	
Standard_GS1	
Standard_GS2	
Standard_GS3	
Standard_GS4	
Standard_GS5	
Standard_GS4-8	
Standard_GS4-4	
Standard_GS5-16	
Standard_GS5-8	
Standard_H8	
Standard_H16	
Standard_H8m	
Standard_H16m	
Standard_H16r	

Standard_H16mr	
Standard_L4s	
Standard_L8s	
Standard_L16s	
Standard_L32s	
Standard_M64s	
Standard_M64ms	
Standard_M128s	
Standard_M128ms	
Standard_M64-32ms	
Standard_M64-16ms	
Standard_M128-64ms	
Standard_M128-32ms	
Standard_NC6	
Standard_NC12	
Standard_NC24	
Standard_NC24r	
Standard_NC6s_v2	
Standard_NC12s_v2	
Standard_NC24s_v2	
Standard_NC24rs_v2	
Standard_NC6s_v3	
Standard_NC12s_v3	
Standard_NC24s_v3	
Standard_NC24rs_v3	
Standard_ND6s	
Standard_ND12s	
Standard_ND24s	
Standard_ND24rs	
Standard_NV6	
Standard_NV12	
Standard_NV24	

VMDiskSecurityProfile

Object

Specifies the security profile settings for the managed disk. **Note:** It can only be set for Confidential VMs.

Name	Type	Description
diskEncryptionSet	Disk Encryption Set Parameters	Specifies the customer managed disk encryption set resource id for the managed disk that is used for Customer Managed Key encrypted ConfidentialVM OS Disk and VMGuest blob.

securityEncryptionType	Security Encryption Types	Specifies the EncryptionType of the managed disk. It is set to DiskWithVMGuestState for encryption of the managed disk along with VMGuestState blob, VMGuestStateOnly for encryption of just the VMGuestState blob, and NonPersistedTPM for not persisting firmware state in the VMGuestState blob.. **Note:** It can be set for only Confidential VMs.

VMGalleryApplication

Object

Specifies the required information to reference a compute gallery application version

Name	Type	Description
configurationReference	string	Optional, Specifies the uri to an azure blob that will replace the default configuration for the package if
enableAutomaticUpgrade	boolean	If set to true, when a new Gallery Application version is available in PIR/SIG, it will be automatically u
order	integer (int32)	Optional, Specifies the order in which the packages have to be installed
packageReferenceId	string	Specifies the GalleryApplicationVersion resource id on the form of /subscriptions/{SubscriptionId}/resourceGroups/{ResourceGroupName}/providers/Microsoft.Compute
tags	string	Optional, Specifies a passthrough value for more generic context.
treatFailureAsDeploymentFailure	boolean	Optional, If true, any failure for any operation in the VmApplication will fail the deployment

VMSizeProperties

Object

Specifies VM Size Property settings on the virtual machine.

Name	Type	Description
vCPUsAvailable	integer (int32)	Specifies the number of vCPUs available for the VM. When this property is not specified in the request body the default behavior is to set it to the value of vCPUs available for that VM size exposed in api response of List all available virtual machine sizes in a region.
vCPUsPerCore	integer (int32)	Specifies the vCPU to physical core ratio. When this property is not specified in the request body the default behavior is set to the value of vCPUsPerCore for the VM Size exposed in api response of List all available virtual machine sizes in a region. **Setting this property to 1 also means that hyper-threading is disabled.**

WindowsConfiguration

Object

Specifies Windows operating system settings on the virtual machine.

Name	Type	Description

additionalUnattendContent	Additional UnattendContent[]	Specifies additional base-64 encoded XML formatted information that can be included in the Unattend.xml file, which is used by Windows Setup.
enableAutomaticUpdates	boolean	Indicates whether Automatic Updates is enabled for the Windows virtual machine. Default value is true. For virtual machine scale sets, this property can be updated and updates will take effect on OS reprovisioning.
enableVMAgentPlatformUpdates	boolean	Indicates whether VMAgent Platform Updates are enabled for the Windows Virtual Machine.
patchSettings	PatchSettings	[Preview Feature] Specifies settings related to VM Guest Patching on Windows.
provisionVMAgent	boolean	Indicates whether virtual machine agent should be provisioned on the virtual machine. When this property is not specified in the request body, it is set to true by default. This will ensure that VM Agent is installed on the VM so that extensions can be added to the VM later.
timeZone	string	Specifies the time zone of the virtual machine. e.g. "Pacific Standard Time". Possible values can be TimeZoneInfo.Id value from time zones returned by TimeZoneInfo.GetSystemTimeZones.
winRM	Win RMConfiguration	Specifies the Windows Remote Management listeners. This enables remote Windows PowerShell.

WindowsPatchAssessmentMode

Enumeration

Specifies the mode of VM Guest patch assessment for the IaaS virtual machine.

Possible values are:

ImageDefault - You control the timing of patch assessments on a virtual machine.

AutomaticByPlatform - The platform will trigger periodic patch assessments. The property provisionVMAgent must be true.

Value	Description
ImageDefault	
AutomaticByPlatform	

WindowsVMGuestPatchAutomaticByPlatformRebootSetting

Enumeration

Specifies the reboot setting for all AutomaticByPlatform patch installation operations.

Value	Description
Unknown	
IfRequired	
Never	

Always	

WindowsVMGuestPatchAutomaticByPlatformSettings

Object

Specifies additional settings to be applied when patch mode AutomaticByPlatform is selected in Windows patch settings.

Name	Type	Description
bypassPlatformSafetyChecksOnUserSchedule	boolean	Enables customer to schedule patching without accidental upgrades
rebootSetting	WindowsVMGuestPatchAutomaticByPlatformRebootSetting	Specifies the reboot setting for all AutomaticByPlatform patch installation operations.

WindowsVMGuestPatchMode

Enumeration

Specifies the mode of VM Guest Patching to IaaS virtual machine or virtual machines associated to virtual machine scale set with OrchestrationMode as Flexible.

Possible values are:

Manual - You control the application of patches to a virtual machine. You do this by applying patches manually inside the VM. In this mode, automatic updates are disabled; the property WindowsConfiguration.enableAutomaticUpdates must be false

AutomaticByOS - The virtual machine will automatically be updated by the OS. The property WindowsConfiguration.enableAutomaticUpdates must be true.

AutomaticByPlatform - the virtual machine will automatically updated by the platform. The properties provisionVMAgent and WindowsConfiguration.enableAutomaticUpdates must be true

Value	Description
Manual	
AutomaticByOS	
AutomaticByPlatform	

WinRMConfiguration

Object

Describes Windows Remote Management configuration of the VM

Name	Type	Description
listeners	WinRMListener[]	The list of Windows Remote Management listeners

WinRMListener

Object

Describes Protocol and thumbprint of Windows Remote Management listener

ZonePlacementPolicyType

Enumeration

Specifies the policy for resource's placement in availability zone. Possible values are: **Any** (used for Virtual Machines), **Auto** (used for Virtual Machine Scale Sets) - An availability zone will be automatically picked by system as part of resource creation.

Value	Description
Any	
Auto	Automatic zone placement in a Virtual Machine Scale Set.
