Windows PowerShell Get-Help on Cmdlet 'Update-AzNetworkCloudCluster'

PS:\>Get-HELP Update-AzNetworkCloudCluster -Full

WARNING: The names of some imported commands from the module 'Az.NetworkCloud.private' include unapproved verbs that might make them less discoverable. To find the

commands with unapproved verbs, run the Import-Module command again with the Verbose parameter. For a list of approved verbs, type Get-Verb.

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NAME

   Update-AzNetworkCloudCluster

SYNOPSIS

   Patch the properties of the provided cluster, or update the tags associated with the cluster.

   Properties and tag updates can be done independently.

SYNTAX

```
Update-AzNetworkCloudCluster -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>]
[-AggregatorOrSingleRackDefinitionAvailabilityZone <String>]
    [-AggregatorOrSingleRackDefinitionBareMetalMachineConfiguration <IBareMetalMachineConfigurationData[]>]
[-AggregatorOrSingleRackDefinitionNetworkRackId <String>]
    [-AggregatorOrSingleRackDefinitionRackLocation <String>] [-AggregatorOrSingleRackDefinitionRackSerialNumber
<String>] [-AggregatorOrSingleRackDefinitionRackSkuId
    <String>] [-AggregatorOrSingleRackDefinitionStorageApplianceConfiguration <IStorageApplianceConfigurationData[]>]
[-ClusterLocation <String>]
    [-ClusterServicePrincipalApplicationId <String>] [-ClusterServicePrincipalId <String>] [-ClusterServicePrincipalPassword
<SecureString>]
    [-ClusterServicePrincipalTenantId <String>] [-ComputeDeploymentThresholdGrouping <ValidationThresholdGrouping>]
[-ComputeDeploymentThresholdType
        <ValidationThresholdType>] [-ComputeDeploymentThresholdValue <Int64>] [-ComputeRackDefinition
<IRackDefinition[]>] [-Tag <Hashtable>] [-DefaultProfile <PSObject>]
    [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait]
[-Proxy <Uri>] [-ProxyCredential <PSCredential>]
    [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]


Update-AzNetworkCloudCluster -InputObject <INetworkCloudIdentity>
[-AggregatorOrSingleRackDefinitionAvailabilityZone <String>]
    [-AggregatorOrSingleRackDefinitionBareMetalMachineConfiguration <IBareMetalMachineConfigurationData[]>]
[-AggregatorOrSingleRackDefinitionNetworkRackId <String>]
    [-AggregatorOrSingleRackDefinitionRackLocation <String>] [-AggregatorOrSingleRackDefinitionRackSerialNumber
<String>] [-AggregatorOrSingleRackDefinitionRackSkuId
    <String>] [-AggregatorOrSingleRackDefinitionStorageApplianceConfiguration <IStorageApplianceConfigurationData[]>]
[-ClusterLocation <String>]
    [-ClusterServicePrincipalApplicationId <String>] [-ClusterServicePrincipalId <String>] [-ClusterServicePrincipalPassword
<SecureString>]
    [-ClusterServicePrincipalTenantId <String>] [-ComputeDeploymentThresholdGrouping <ValidationThresholdGrouping>]
[-ComputeDeploymentThresholdType
        <ValidationThresholdType>] [-ComputeDeploymentThresholdValue <Int64>] [-ComputeRackDefinition
<IRackDefinition[]>] [-Tag <Hashtable>] [-DefaultProfile <PSObject>]
```

[-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait]
[-Proxy <Uri>] [-ProxyCredential <PSCredential>]
[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

Patch the properties of the provided cluster, or update the tags associated with the cluster.

Properties and tag updates can be done independently.

PARAMETERS

-Name <String>

The name of the cluster.

Required?   true

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required?   true

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

The value must be an UUID.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-InputObject <INetworkCloudIdentity>

Identity Parameter

To construct, see NOTES section for INPUTOBJECT properties and create a hash table.

Required?   true

Position?   named

Default value

Accept pipeline input?   true (ByValue)

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionAvailabilityZone <String>

The zone name used for this rack when created.

Availability zones are used for workload placement.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionBareMetalMachineConfiguration <IBareMetalMachineConfigurationData[]>

The unordered list of bare metal machine configuration.

To construct, see NOTES section for AGGREGATORORSINGLERACKDEFINITIONBAREMETALMACHINECONFIGURATION properties and create a hash table.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionNetworkRackId <String>

The resource ID of the network rack that matches this rack definition.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionRackLocation <String>

The free-form description of the rack's location.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionRackSerialNumber <String>

The unique identifier for the rack within Network Cloud cluster.

An alternate unique alphanumeric value other than a serial number may be provided if desired.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionRackSkuId <String>

The resource ID of the sku for the rack being added.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-AggregatorOrSingleRackDefinitionStorageApplianceConfiguration <IStorageApplianceConfigurationData[]>

The list of storage appliance configuration data for this rack.

To construct, see NOTES section for AGGREGATORORSINGLERACKDEFINITIONSTORAGEAPPLIANCECONFIGURATION properties and create a hash table.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-ClusterLocation <String>

The customer-provided location information to identify where the cluster resides.

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-ClusterServicePrincipalApplicationId <String>

The application ID, also known as client ID, of the service principal.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ClusterServicePrincipalId <String>

The principal ID, also known as the object ID, of the service principal.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ClusterServicePrincipalPassword <SecureString>

The password of the service principal.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ClusterServicePrincipalTenantId <String>

The tenant ID, also known as the directory ID, of the tenant in which the service principal is created.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-ComputeDeploymentThresholdGrouping <ValidationThresholdGrouping>

   Selection of how the type evaluation is applied to the cluster calculation.

   Required?   false

   Position?   named

   Default value

   Accept pipeline input?   false

   Accept wildcard characters? false

-ComputeDeploymentThresholdType <ValidationThresholdType>

   Selection of how the threshold should be evaluated.

   Required?   false

   Position?   named

   Default value

   Accept pipeline input?   false

   Accept wildcard characters? false

-ComputeDeploymentThresholdValue <Int64>

   The numeric threshold value.

   Required?   false

   Position?   named

   Default value   0

   Accept pipeline input?   false

   Accept wildcard characters? false

-ComputeRackDefinition <IRackDefinition[]>

   The list of rack definitions for the compute racks in a multi-rackcluster, or an empty list in a single-rack cluster.

   To construct, see NOTES section for COMPUTERACKDEFINITION properties and create a hash table.

   Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Tag <Hashtable>

The Azure resource tags that will replace the existing ones.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The DefaultProfile parameter is not functional.

Use the SubscriptionId parameter when available if executing the cmdlet against a different subscription.

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required?   false

Position?   named

Default value   False

Accept pipeline input?   false

Accept wildcard characters? false

-Break [<SwitchParameter>]

    Wait for .NET debugger to attach

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   false

    Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

    SendAsync Pipeline Steps to be appended to the front of the pipeline

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

    SendAsync Pipeline Steps to be prepended to the front of the pipeline

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-NoWait [<SwitchParameter>]

    Run the command asynchronously

    Required?   false

    Position?   named

    Default value   False

Accept pipeline input?   false

    Accept wildcard characters? false

-Proxy <Uri>

    The URI for the proxy server to use

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-ProxyCredential <PSCredential>

    Credentials for a proxy server to use for the remote call

    Required?   false

    Position?   named

    Default value

    Accept pipeline input?   false

    Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

    Use the default credentials for the proxy

    Required?   false

    Position?   named

    Default value   False

    Accept pipeline input?   false

    Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

    Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required?   false

Position?   named

Default value

Accept pipeline input?   false

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.PowerShell.Cmdlets.NetworkCloud.Models.INetworkCloudIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.NetworkCloud.Models.Api20230701.ICluster

NOTES

COMPLEX PARAMETER PROPERTIES

To create the parameters described below, construct a hash table containing the appropriate properties. For

information on hash tables, run Get-Help

about_Hash_Tables.

AGGREGATORORSINGLERACKDEFINITIONBAREMETALMACHINECONFIGURATION

<IBareMetalMachineConfigurationData[]>: The unordered list of bare metal machine configuration.

BmcCredentialsPassword <SecureString>: The password of the administrator of the device used during initialization.

BmcCredentialsUsername <String>: The username of the administrator of the device used during initialization.

BmcMacAddress <String>: The MAC address of the BMC for this machine.

BootMacAddress <String>: The MAC address associated with the PXE NIC card.

RackSlot <Int64>: The slot the physical machine is in the rack based on the BOM configuration.

SerialNumber <String>: The serial number of the machine. Hardware suppliers may use an alternate value. For example, service tag.

[MachineDetail <String>]: The free-form additional information about the machine, e.g. an asset tag.

[MachineName <String>]: The user-provided name for the bare metal machine created from this specification.   If not provided, the machine name will be

generated programmatically.

AGGREGATORORSINGLERACKDEFINITIONSTORAGEAPPLIANCECONFIGURATION

<IStorageApplianceConfigurationData[]>: The list of storage appliance configuration data for this

rack.

AdminCredentialsPassword <SecureString>: The password of the administrator of the device used during initialization.

AdminCredentialsUsername <String>: The username of the administrator of the device used during initialization.

RackSlot <Int64>: The slot that storage appliance is in the rack based on the BOM configuration.

SerialNumber <String>: The serial number of the appliance.

[StorageApplianceName <String>]: The user-provided name for the storage appliance that will be created from this specification.

COMPUTERACKDEFINITION <IRackDefinition[]>: The list of rack definitions for the compute racks in a multi-rackcluster, or an empty list in a single-rack cluster.

NetworkRackId <String>: The resource ID of the network rack that matches this rack definition.

RackSerialNumber <String>: The unique identifier for the rack within Network Cloud cluster. An alternate unique alphanumeric value other than a serial number

may be provided if desired.

RackSkuId <String>: The resource ID of the sku for the rack being added.

[AvailabilityZone <String>]: The zone name used for this rack when created. Availability zones are used for workload placement.

[BareMetalMachineConfigurationData <IBareMetalMachineConfigurationData[]>]: The unordered list of bare metal machine configuration.

BmcCredentialsPassword <SecureString>: The password of the administrator of the device used during initialization.

BmcCredentialsUsername <String>: The username of the administrator of the device used during initialization.

BmcMacAddress <String>: The MAC address of the BMC for this machine.

BootMacAddress <String>: The MAC address associated with the PXE NIC card.

RackSlot <Int64>: The slot the physical machine is in the rack based on the BOM configuration.

SerialNumber <String>: The serial number of the machine. Hardware suppliers may use an alternate value. For example, service tag.

[MachineDetail <String>]: The free-form additional information about the machine, e.g. an asset tag.

[MachineName <String>]: The user-provided name for the bare metal machine created from this specification.   If not provided, the machine name will be

generated programmatically.

[RackLocation <String>]: The free-form description of the rack's location.

[StorageApplianceConfigurationData <IStorageApplianceConfigurationData[]>]: The list of storage appliance configuration data for this rack.

AdminCredentialsPassword <SecureString>: The password of the administrator of the device used during initialization.

AdminCredentialsUsername <String>: The username of the administrator of the device used during initialization.

RackSlot <Int64>: The slot that storage appliance is in the rack based on the BOM configuration.

SerialNumber <String>: The serial number of the appliance.

[StorageApplianceName <String>]: The user-provided name for the storage appliance that will be created from this specification.

INPUTOBJECT <INetworkCloudIdentity>: Identity Parameter

[AgentPoolName <String>]: The name of the Kubernetes cluster agent pool.

[BareMetalMachineKeySetName <String>]: The name of the bare metal machine key set.

[BareMetalMachineName <String>]: The name of the bare metal machine.

[BmcKeySetName <String>]: The name of the baseboard management controller key set.

[CloudServicesNetworkName <String>]: The name of the cloud services network.

[ClusterManagerName <String>]: The name of the cluster manager.

[ClusterName <String>]: The name of the cluster.

[ConsoleName <String>]: The name of the virtual machine console.

[Id <String>]: Resource identity path

[KubernetesClusterName <String>]: The name of the Kubernetes cluster.

[L2NetworkName <String>]: The name of the L2 network.

[L3NetworkName <String>]: The name of the L3 network.

[MetricsConfigurationName <String>]: The name of the metrics configuration for the cluster.

[RackName <String>]: The name of the rack.

[RackSkuName <String>]: The name of the rack SKU.

[ResourceGroupName <String>]: The name of the resource group. The name is case insensitive.

[StorageApplianceName <String>]: The name of the storage appliance.

[SubscriptionId <String>]: The ID of the target subscription. The value must be an UUID.

[TrunkedNetworkName <String>]: The name of the trunked network.

[VirtualMachineName <String>]: The name of the virtual machine.

[VolumeName <String>]: The name of the volume.

-------------------------- EXAMPLE 1 --------------------------

PS C:\>$storageapplianceconfigurationdata = @()

$baremetalmachineconfigurationdata = @()

$computerackdefinition = @(@{IRackDefinition = "The list of rack definitions for the compute racks in a multi-rackcluster, or an empty list in a single-rack

cluster."})

$tagHash = @{

  tag = "tag"

  tagUpdate = "tagUpdate"

}

$securePassword = ConvertTo-SecureString "password" -asplaintext -force

Update-AzNetworkCloudCluster -ResourceGroupName resourceGroup -Name clusterName -SubscriptionId

subscriptionId -AggregatorOrSingleRackDefinitionNetworkRackId rackId

   -AggregatorOrSingleRackDefinitionRackSerialNumber sr1234 -AggregatorOrSingleRackDefinitionRackSkuId rackSku

-AggregatorOrSingleRackDefinitionAvailabilityZone

   availabilityzone -AggregatorOrSingleRackDefinitionBareMetalMachineConfiguration $baremetalmachineconfigurationdata

-AggregatorOrSingleRackDefinitionRackLocation

   rackLocation -AggregatorOrSingleRackDefinitionStorageApplianceConfiguration $storageapplianceconfigurationdata

-ClusterServicePrincipalApplicationId

   clusterServicePrincipalAppId -ClusterServicePrincipalId ClusterServicePrincipalId -ClusterServicePrincipalPassword

$securePassword -ClusterServicePrincipalTenantId

   tenantId -ComputeRackDefinition $computerackdefinition -Tag $tagHash

RELATED LINKS

   https://learn.microsoft.com/powershell/module/az.networkcloud/update-aznetworkcloudcluster