



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

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

NAME

Update-AzCloudService

SYNOPSIS

Create or update a cloud service.

Please note some properties can be set only during cloud service creation.

SYNTAX

```
Update-AzCloudService -InputObject <ICloudServiceIdentity> -Parameter <ICloudService> [-DefaultProfile <PSObject>]
[-AsJob] [-Break] [-HttpPipelineAppend
    <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>] [-ProxyCredential
<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf]
[-Confirm] [<CommonParameters>]
```

DESCRIPTION

Create or update a cloud service.

Please note some properties can be set only during cloud service creation.

PARAMETERS

-InputObject <ICloudServiceIdentity>

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

-Parameter <ICloudService>

Describes the cloud service.

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

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

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.CloudService.Models.Api20220904.ICloudService

Microsoft.Azure.PowerShell.Cmdlets.CloudService.Models.ICloudServiceIdentity

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.CloudService.Models.Api20220904.ICloudService

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.

INPUTOBJECT <ICloudServiceIdentity>: Identity Parameter

[CloudServiceName <String>]: Name of the cloud service.

[IPConfigurationName <String>]: The IP configuration name.

[Id <String>]: Resource identity path

[Location <String>]: Name of the location that the OS version pertains to.

[NetworkInterfaceName <String>]: The name of the network interface.

[OSFamilyName <String>]: Name of the OS family.

[OSVersionName <String>]: Name of the OS version.

[PublicIPAddressName <String>]: The name of the public IP Address.

[ResourceGroupName <String>]: Name of the resource group.

[RoleInstanceName <String>]: Name of the role instance.

[RoleName <String>]: Name of the role.

[SubscriptionId <String>]: Subscription credentials which uniquely identify Microsoft Azure subscription. The subscription ID forms part of the URI for every service call.

[UpdateDomain <Int32?>]: Specifies an integer value that identifies the update domain. Update domains are identified with a zero-based index: the first update domain has an ID of 0, the second has an ID of 1, and so on.

PARAMETER <ICloudService>: Describes the cloud service.

Location <String>: Resource location.

[AllowModelOverride <Boolean?>]: (Optional) Indicates whether the role sku properties (roleProfile.roles.sku) specified in the model/template should override

the role instance count and vm size specified in the .cscfg and .csdef respectively. The default value is `false`.

[Configuration <String>]: Specifies the XML service configuration (.cscfg) for the cloud service.

[ConfigurationUrl <String>]: Specifies a URL that refers to the location of the service configuration in the Blob service. The service package URL can be

Shared Access Signature (SAS) URI from any storage account. This is a write-only property and is not returned in GET calls.

[ExtensionProfile <ICloudServiceExtensionProfile>]: Describes a cloud service extension profile.

[Extension <IExtension[]>]: List of extensions for the cloud service.

[AutoUpgradeMinorVersion <Boolean?>]: Explicitly specify whether platform can automatically upgrade typeHandlerVersion to higher minor versions when they become available.

[ForceUpdateTag <String>]: Tag to force apply the provided public and protected settings. Changing the tag value allows for re-running the extension

without changing any of the public or protected settings. If forceUpdateTag is not changed, updates to public or protected settings would still be applied

by the handler. If neither forceUpdateTag nor any of public or protected settings change, extension would flow to the role instance with the same sequence-number, and it is up to handler implementation whether to re-run it or not

[Name <String>]: The name of the extension.

[ProtectedSetting <String>]: Protected settings for the extension which are encrypted before sent to the role instance.

[ProtectedSettingFromKeyVaultSecretUrl <String>]: Secret URL which contains the protected settings of the extension

[Publisher <String>]: The name of the extension handler publisher.

[RolesAppliedTo <String[]>]: Optional list of roles to apply this extension. If property is not specified or '*' is specified, extension is applied to all roles in the cloud service.

[Setting <String>]: Public settings for the extension. For JSON extensions, this is the JSON settings for the extension. For XML Extension (like RDP), this

is the XML setting for the extension.

[SourceVaultId <String>]: Resource Id

[Type <String>]: Specifies the type of the extension.

[TypeHandlerVersion <String>]: Specifies the version of the extension. Specifies the version of the extension. If this element is not specified or an

asterisk (*) is used as the value, the latest version of the extension is used. If the value is specified with a major version number and an asterisk as the minor

version number (X.), the latest minor version of the specified major version is selected. If a major version number and a minor version number are specified

(X.Y), the specific extension version is selected. If a version is specified, an auto-upgrade is performed on the role instance.

[NetworkProfile <ICloudServiceNetworkProfile>]: Network Profile for the cloud service.

[LoadBalancerConfiguration <ILoadBalancerConfiguration[]>]: List of Load balancer configurations. Cloud service can have up to two load balancer

configurations, corresponding to a Public Load Balancer and an Internal Load Balancer.

FrontendIPConfiguration <ILoadBalancerFrontendIPConfiguration[]>: Specifies the frontend IP to be used for the load balancer. Only IPv4 frontend IP address

is supported. Each load balancer configuration must have exactly one frontend IP configuration.

Name <String>: The name of the resource that is unique within the set of frontend IP configurations used by the load balancer. This name can be used to

access the resource.

[PrivateIPAddress <String>]: The virtual network private IP address of the IP configuration.

[PublicIPAddressId <String>]: Resource Id

[SubnetId <String>]: Resource Id

Name <String>: The name of the Load balancer

[Id <String>]: Resource Id

[SlotType <CloudServiceSlotType?>]: Slot type for the cloud service. Possible values are

/**Production**

/**Staging**

If not specified, the default value is Production.

[SwappableCloudService <ISubResource>]: The id reference of the cloud service containing the target IP with which the subject cloud service can perform a

swap. This property cannot be updated once it is set. The swappable cloud service referred by this id must be present otherwise an error will be thrown.

[Id <String>]: Resource Id

[OSProfile <ICloudServiceOSProfile>]: Describes the OS profile for the cloud service.

[Secret <ICloudServiceVaultSecretGroup[]>]: Specifies set of certificates that should be installed onto the role instances.

[SourceVaultId <String>]: Resource Id

[VaultCertificate <ICloudServiceVaultCertificate[]>]: The list of key vault references in SourceVault which contain certificates.

[CertificateUrl <String>]: This is the URL of a certificate that has been uploaded to Key Vault as a secret.

[PackageUrl <String>]: Specifies a URL that refers to the location of the service package in the Blob service. The service package URL can be Shared Access

Signature (SAS) URI from any storage account. This is a write-only property and is not returned in GET calls.

[RoleProfile <ICloudServiceRoleProfile>]: Describes the role profile for the cloud service.

[Role <ICloudServiceRoleProfileProperties[]>]: List of roles for the cloud service.

[Name <String>]: Resource name.

[SkuCapacity <Int64?>]: Specifies the number of role instances in the cloud service.

[SkuName <String>]: The sku name. NOTE: If the new SKU is not supported on the hardware the cloud service is currently on, you need to delete and recreate the cloud service or move back to the old sku.

[SkuTier <String>]: Specifies the tier of the cloud service. Possible Values are
 Standard
 Basic

[StartCloudService <Boolean?>]: (Optional) Indicates whether to start the cloud service immediately after it is created. The default value is `true`. If

false, the service model is still deployed, but the code is not run immediately. Instead, the service is PoweredOff until you call Start, at which time the

service will be started. A deployed service still incurs charges, even if it is poweredoff.

[Tag <ICloudServiceTags>]: Resource tags.

[(Any) <String>]: This indicates any property can be added to this object.

[UpgradeMode <CloudServiceUpgradeMode?>]: Update mode for the cloud service. Role instances are allocated to update domains when the service is deployed.

Updates can be initiated manually in each update domain or initiated automatically in all update domains. Possible Values are
 Auto
 Manual
 Simultaneous

If not specified, the default value is Auto. If set to Manual, PUT UpdateDomain must be called

to apply the update. If set to Auto, the update is automatically applied to each update domain in sequence. Page 9/12

[Zone <String[]>]: List of logical availability zone of the resource. List should contain only 1 zone where cloud service should be provisioned. This field is optional.

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

PS C:\># Create RDP extension object

```
$rdpExtension = New-AzCloudServiceRemoteDesktopExtensionObject -Name "RDPEExtension" -Credential $credential  
-Expiration $expiration -TypeHandlerVersion "1.2.1"  
  
# Get existing cloud service  
$cloudService = Get-AzCloudService -ResourceGroupName "ContosOrg" -CloudServiceName "ContosoCS"  
  
# Add RDP extension to existing cloud service extension object  
$cloudService.ExtensionProfile.Extension = $cloudService.ExtensionProfile.Extension + $rdpExtension  
  
# Update cloud service  
$cloudService | Update-AzCloudService
```

----- EXAMPLE 2 -----

PS C:\># Get existing cloud service

```
$cloudService = Get-AzCloudService -ResourceGroupName "ContosOrg" -CloudServiceName "ContosoCS"  
  
# Set extension to empty list  
$cloudService.ExtensionProfile.Extension = @()  
  
# Update cloud service  
$cloudService | Update-AzCloudService
```

----- EXAMPLE 3 -----

PS C:\># Get existing cloud service

```
$cloudService = Get-AzCloudService -ResourceGroupName "ContosOrg" -CloudServiceName "ContosoCS"
```

```
# Remove extension by name RDPEExtension
```

```
$cloudService.ExtensionProfile.Extension = $cloudService.ExtensionProfile.Extension | Where-Object { $_.Name -ne "RDPEExtension" }
```

```
# Update cloud service
```

```
$cloudService | Update-AzCloudService
```

----- EXAMPLE 4 -----

PS C:\># Get existing cloud service

```
$cloudService = Get-AzCloudService -ResourceGroupName "ContosOrg" -CloudServiceName "ContosoCS"
```

```
# Scale-out all role instance count by 1
```

```
$cloudService.RoleProfile.Role | ForEach-Object {$_ .SkuCapacity += 1}
```

```
# Scale-in ContosoFrontend role instance count by 1
```

```
$role = $cloudService.RoleProfile.Role | Where-Object {$_ .Name -eq "ContosoFrontend"}
```

```
$role.SkuCapacity -= 1
```

```
# Update cloud service configuration as per the new role instance count
```

```
$cloudService.Configuration = $configuration
```

```
# Update cloud service
```

```
$cloudService | Update-AzCloudService
```

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.cloudservice/update-azcloudservice>