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

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

NAME

Update-AzPolicyAssignment

SYNOPSIS

This operation updates a policy assignment with the given scope and name.

Policy assignments apply to all resources contained within their scope.

For example, when you assign a policy at resource group scope, that policy applies to all resources in the group.

SYNTAX

Update-AzPolicyAssignment -Name <String> [-Scope <String>] [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location

<String>] [-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible] [-DefaultProfile

<PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment -Name <String> [-Scope <String>] [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location

<String>] [-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible]

-PolicyParameterObject <PSObject> [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy

<Uri>] [-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment -Name <String> [-Scope <String>] [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location

<String>] [-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible] -PolicyParameter

<String> [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential

<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment -Id <String> [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location <String>]

[-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible] [-DefaultProfile <PSObject>]

[-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment -Id <String> [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location <String>]

[-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible] -PolicyParameterObject

<PSObject> [-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential

<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment -Id <String> [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location <String>]

[-EnforcementMode <String>] [-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>]

[-BackwardCompatible] -PolicyParameter <String>

[-DefaultProfile <PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential

<PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

Update-AzPolicyAssignment [-NotScope <String[]>] [-DisplayName <String>] [-Description <String>] [-Metadata <String>] [-Location <String>] [-EnforcementMode <String>]

[-IdentityType <String>] [-IdentityId <String>] [-NonComplianceMessage <PSObject[]>] [-BackwardCompatible] -InputObject <IPolicyAssignment> [-DefaultProfile

<PSObject>] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-Proxy <Uri>] [-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

DESCRIPTION

This operation updates a policy assignment with the given scope and name.

Policy assignments apply to all resources contained within their scope.

For example, when you assign a policy at resource group scope, that policy applies to all resources in the group.

PARAMETERS

-Name <String>

The name of the policy assignment.

Required? true

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-Scope <String>

The scope of the policy assignment.

Valid scopes are: management group (format:

'/providers/Microsoft.Management/managementGroups/{managementGroup}'), subscription (format: '/subscriptions/{subscriptionId}'), resource group (format: '/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}', or resource (format: '/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/{resourceProviderNamespace}/[{parentResourcePath}/]{resourceType}/{resourceName}'

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-Id <String>

The ID of the policy assignment to update.

Use the format '{scope}/providers/Microsoft.Authorization/policyAssignments/{policyAssignmentName}'.

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue)

Accept wildcard characters? false

-NotScope <String[]>

The policy's excluded scopes.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-DisplayName <String>

The display name of the policy assignment.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-Description <String>

This message will be part of response in case of policy violation.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-Metadata <String>

The policy assignment metadata.

Metadata is an open ended object and is typically a collection of key value pairs.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-Location <String>

The location of the policy assignment.

Only required when utilizing managed identity.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-EnforcementMode <String>

The policy assignment enforcement mode.

Possible values are Default and DoNotEnforce.

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-IdentityType <String>

The identity type.

This is the only required field when adding a system or user assigned identity to a resource.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-IdentityId <String>

The user identity associated with the policy.

The user identity dictionary key references will be ARM resource ids in the form:

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identityName}'.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NonComplianceMessage <PSObject[]>

The messages that describe why a resource is non-compliant with the policy.

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

Required? false

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-BackwardCompatible [<SwitchParameter>]

Causes cmdlet to return artifacts using legacy format placing policy-specific properties in a property bag object.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-PolicyParameter <String>

The parameter values for the assigned policy rule.

The keys are the parameter names.

Required? true

Position? named

Default value

Accept pipeline input? true (ByPropertyName)

Accept wildcard characters? false

-PolicyParameterObject <PSObject>

The parameter values for the assigned policy rule.

The keys are the parameter names.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-InputObject <IPolicyAssignment>

Required? true

Position? named

Default value

Accept pipeline input? true (ByValue, ByPropertyName)

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

-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

-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.Policy.Models.IPolicyAssignment

System.Management.Automation.PSObject[]

System.String

System.String[]

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.Policy.Models.IPolicyAssignment

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 <IPolicyAssignment>:
[Description <String>]: This message will be part of response in case of policy violation.
[DisplayName <String>]: The display name of the policy assignment.
[EnforcementMode <String>]: The policy assignment enforcement mode. Possible values are Default and DoNotEnforce.

[IdentityType <String>]: The identity type. This is the only required field when adding a system or user assigned identity to a resource.

[IdentityUserAssignedIdentity <IIdentityUserAssignedIdentities>]: The user identity associated with the policy. The user identity dictionary key references will

be ARM resource ids in the form:

'/subscriptions/{subscriptionId}/resourceGroups/{resourceGroupName}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identityName}'.

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

[Location <String>]: The location of the policy assignment. Only required when utilizing managed identity.

[Metadata <IPolicyAssignmentPropertiesMetadata>]: The policy assignment metadata. Metadata is an open ended object and is typically a collection of key value

pairs.

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

[NonComplianceMessage <List<INonComplianceMessage>>]: The messages that describe why a resource is non-compliant with the policy.

Message <String>: A message that describes why a resource is non-compliant with the policy. This is shown in 'deny' error messages and on resource's

non-compliant compliance results.

[PolicyDefinitionReferenceId <String>]: The policy definition reference ID within a policy set definition the message is intended for. This is only applicable

if the policy assignment assigns a policy set definition. If this is not provided the message applies to all policies assigned by this policy assignment.

[NotScope <List<String>>]: The policy's excluded scopes.

[Override <List<IOverride>>]: The policy property value override.

[Kind <String>]: The override kind.

[Selector <List<ISelector>>]: The list of the selector expressions.

[In <List<String>>]: The list of values to filter in.

[Kind <String>]: The selector kind.

[NotIn <List<String>>]: The list of values to filter out.

[Value <String>]: The value to override the policy property.

[Parameter <IParameterValues>]: The parameter values for the assigned policy rule. The keys are the parameter names.

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

[PolicyDefinitionId <String>]: The ID of the policy definition or policy set definition being assigned.

[ResourceSelector <List<IResourceSelector>>]: The resource selector list to filter policies by resource properties.

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

[Selector <List<ISelector>>]: The list of the selector expressions.

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

PS C:\>$ResourceGroup = Get-AzResourceGroup -Name 'ResourceGroup11'

$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment' -Scope $ResourceGroup.ResourceId

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -DisplayName 'Do not allow VM creation'

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

PS C:\>$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment'

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -IdentityType 'SystemAssigned' -Location 'westus'

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

PS C:\>$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment'

$UserAssignedIdentity = Get-AzUserAssignedIdentity -ResourceGroupName 'ResourceGroup1' -Name 'UserAssignedIdentity1'

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -IdentityType 'UserAssigned' -Location 'westus' -IdentityId $UserAssignedIdentity.Id

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

PS C:\>$Locations = Get-AzLocation | Where-Object {($_.displayname -like 'france*') -or ($_.displayname -like 'uk*')}

$AllowedLocations = @{'listOfAllowedLocations'=($Locations.location)}

$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment'

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -PolicyParameterObject $AllowedLocations

-------------------------- EXAMPLE 5 --------------------------

PS C:\>{

"listOfAllowedLocations": {
    "value": [
      "uksouth",
      "ukwest",
      "francecentral",
      "francesouth"
    ]
  }
}

Update-AzPolicyAssignment -Name 'PolicyAssignment' -PolicyParameter .\AllowedLocations.json

---------- EXAMPLE 6 ----------

PS C:\>$ResourceGroup = Get-AzResourceGroup -Name 'ResourceGroup11'

$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment' -Scope $ResourceGroup.ResourceId

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -EnforcementMode Default

---------- EXAMPLE 7 ----------

PS C:\>$PolicyAssignment = Get-AzPolicyAssignment -Name 'VirtualMachinePolicy'

Update-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -NonComplianceMessage @{Message="All resources must follow resource naming guidelines."}

---------- EXAMPLE 8 ----------

PS C:\>$ResourceGroup = Get-AzResourceGroup -Name 'ResourceGroup11'

$PolicyAssignment = Get-AzPolicyAssignment -Name 'PolicyAssignment' -Scope $ResourceGroup.ResourceId

Set-AzPolicyAssignment -Id $PolicyAssignment.ResourceId -EnforcementMode Default

https://learn.microsoft.com/powershell/module/az.resources/update-azpolicyassignment