Windows PowerShell Get-Help on Cmdlet 'Start-AzPolicyRemediation'

PS:\>Get-HELP Start-AzPolicyRemediation -Full

NAME

Start-AzPolicyRemediation

SYNOPSIS

Creates and starts a policy remediation for a policy assignment.

SYNTAX

Start-AzPolicyRemediation [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FailureThreshold <System.Nullable`1[System.Double]>] [-LocationFilter <System.String[]>] [-ManagementGroupName <System.String>] -Name <System.String> [-ParallelDeploymentCount <System.Nullable`1[System.Int32]>] -PolicyAssignmentId <System.String> [-PolicyDefinitionReferenceId <System.String>] [-ResourceCount <System.Nullable`1[System.Int32]>] [-ResourceDiscoveryMode {ExistingNonCompliant | ReEvaluateCompliance}] [-ResourceGroupName <System.String>] [-Scope <System.String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Start-AzPolicyRemediation [-AsJob] [-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-FailureThreshold

<System.Nullable`1[System.Double]>] [-LocationFilter <System.String[]>] [-ParallelDeploymentCount <System.Nullable`1[System.Int32]>] -PolicyAssignmentId

<System.String> [-PolicyDefinitionReferenceId <System.String>] [-ResourceCount <System.Nullable`1[System.Int32]>] [-ResourceDiscoveryMode {ExistingNonCompliant |

ReEvaluateCompliance}] -ResourceId <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

The Start-AzPolicyRemediation cmdlet creates a policy remediation for a particular policy assignment. All non-compliant resources at or below the remediation's scope

will be remediated. Remediation is only supported for policies with the 'deployIfNotExists' effect.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-FailureThreshold <System.Nullable`1[System.Double]>

Number between 0.0 to 1.0 representing the percentage failure threshold. The remediation will fail if the percentage of failed remediation operations (i.e. failed

deployments) exceeds this threshold.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-LocationFilter <System.String[]>

The resource locations that should be included in the remediation. Resources that don't reside in these locations will not be remediated.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ManagementGroupName <System.String>

Management group ID.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Resource name.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ParallelDeploymentCount <System.Nullable`1[System.Int32]>

How many resources to remediate at any given time. Can be used to control the pace of the remediation. If not provided, the default parallel deployments value is

used.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PolicyAssignmentId <System.String>

Policy assignment ID. E.g. '/subscriptions/{subscriptionId}/providers/Microsoft.Authorization/policyAssignments/{assignmentName}'.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PolicyDefinitionReferenceId <System.String>

Gets the policy definition reference ID of the individual definition that is being remediated. Required when the policy assignment assigns a policy set definition.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceCount <System.Nullable`1[System.Int32]>

Maximum number of non-compliant resources that will be remediated. If not provided, the default resource count is used.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceDiscoveryMode <System.String>

Describes how the remediation task will discover resources that need to be remediated. ReEvaluateCompliance is not supported when remediating management group

scopes.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Resource group name.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceId <System.String>

Resource ID.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Scope <System.String>

Scope of the resource. E.g. '/subscriptions/{subscriptionId}/resourceGroups/{rgName}'.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

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

System.String

System.String[]

System.Nullable`1[[System.Int32, System.Private.CoreLib, Version=7.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

System.Nullable`1[[System.Double, System.Private.CoreLib, Version=7.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.PolicyInsights.Models.Remediation.PSRemediation

NOTES

----- Example 1: Start a remediation at subscription scope -----

$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"

Set-AzContext -Subscription "My Subscription"

Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1"

This command creates a new policy remediation in subscription 'My Subscription' for the given policy assignment.

Example 2: Start a remediation at management group scope with optional filters

$policyAssignmentId = "/providers/Microsoft.Management/managementGroups/mg1/providers/Microsoft.Authorization/policyAssignments/pa1"

Start-AzPolicyRemediation -ManagementGroupName "mg1" -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -LocationFilter "westus","eastus"

This command creates a new policy remediation in management group 'mg1' for the given policy assignment. Only resources in the 'westus' or 'eastus' locations will be

remediated.

Example 3: Start a remediation at resource group scope for a policy set definition assignment

$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/resourceGroups/myRG/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"

Start-AzPolicyRemediation -ResourceGroupName "myRG" -PolicyAssignmentId $policyAssignmentId -PolicyDefinitionReferenceId "0349234412441" -Name "remediation1"

This command creates a new policy remediation in resource group 'myRG' for the given policy assignment. The policy assignment assigns a policy set definition (also

known as an initiative). The policy definition reference ID indicates which policy within the initiative should be remediated.

Example 4: Start a remediation and wait for it to complete in the background

```
$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"
Set-AzContext -Subscription f0710c27-9663-4c05-19f8-1b4be01e86a5
$job = Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -AsJob
$job | Wait-Job
$remediation = $job | Receive-Job
```

This command starts a new policy remediation in subscription 'My Subscription' for the given policy assignment. It will wait for the remediation to complete before

returning the final remediation status.

Example 5: Start a remediation that will discover non-compliant resources before remediating

```
$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"
Set-AzContext -Subscription "My Subscription"
 Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -ResourceDiscoveryMode ReEvaluateCompliance
```

This command creates a new policy remediation in subscription 'My Subscription' for the given policy assignment. The compliance state of resources in the subscription

will be re-evaluated against the policy assignment and non-compliant resources will be remediated.

Example 6: Start a remediation that will remediate up to 10,000 non-compliant resources

```
$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"
Set-AzContext -Subscription "My Subscription"
Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -ResourceCount 10000
```

Example 7: Start a remediation that will remediate 30 resources in parallel

```
$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"
Set-AzContext -Subscription "My Subscription"
 Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -ParallelDeploymentCount 30
```

Example 8: Start a remediation that will terminate if more than half of the remediation deployments fail

```
$policyAssignmentId = "/subscriptions/f0710c27-9663-4c05-19f8-1b4be01e86a5/providers/Microsoft.Authorization/policyAssignments/2deae24764b447c29af7c309"
Set-AzContext -Subscription "My Subscription"
Start-AzPolicyRemediation -PolicyAssignmentId $policyAssignmentId -Name "remediation1" -FailureThreshold 0.5
```

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.policyinsights/start-azpolicyremediation