



Windows PowerShell Get-Help on Cmdlet 'Get-AzPolicyAlias'

PS:\>Get-HELP Get-AzPolicyAlias -Full

NAME

Get-AzPolicyAlias

SYNOPSIS

Get-AzPolicyAlias retrieves and outputs Azure provider resource types that have aliases defined and match the given parameter values. If no parameters are provided,

all provider resource types that contain an alias will be output. The -ListAvailable switch modifies this behavior by listing all matching resource types including those without aliases.

SYNTAX

```
Get-AzPolicyAlias [-AliasMatch <System.String>] [-ApiVersion <System.String>] [-ApiVersionMatch <System.String>]
[-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-ListAvailable]
[-LocationMatch <System.String>] [-NamespaceMatch
    <System.String>] [-PathMatch <System.String>] [-Pre] [-ResourceTypeMatch <System.String>] [<CommonParameters>]
```

DESCRIPTION

The Get-AzPolicyAlias cmdlet gets a listing of policy aliases. Policy aliases are used by Azure Policy to refer to resource type properties. Parameters are provided

that limit items in the listing by matching various properties of the resource type or its aliases. A given match value matches if the target string contains it using

case insensitive comparison.

PARAMETERS

-AliasMatch <System.String>

Includes in the output items with aliases whose name matches this value.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ApiVersion <System.String>

When set, indicates the version of the resource provider API to use. If not specified, the API version is automatically determined as the latest available.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ApiVersionMatch <System.String>

Includes in the output items whose resource types or aliases have a matching api version.

Required? false

Position? named

Default value None

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

-ListAvailable <System.Management.Automation.SwitchParameter>

Includes in the output matching items with and without aliases.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-LocationMatch <System.String>

Includes in the output items whose resource types have a matching location.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-NamespaceMatch <System.String>

Limits the output to items whose namespace matches this value.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PathMatch <System.String>

Includes in the output items with aliases containing a path that matches this value.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Pre <System.Management.Automation.SwitchParameter>

When set, indicates that the cmdlet should use pre-release API versions when automatically determining which version to use.

Required? false
Position? named
Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ResourceTypeMatch <System.String>

Limits the output to items whose resource type matches this value.

Required? false
Position? named
Default value None
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

None

OUTPUTS

Microsoft.Azure.Commands.ResourceManager.Cmdlets.Implementation.PsResourceProviderAlias

NOTES

* To expand the Aliases or any other property, pipe the output to ``select -ExpandProperty <property>``. For example:

```
`Get-AzPolicyAlias -NamespaceMatch  
'Microsoft.Cache' -ApiVersionMatch 'alpha' | select -ExpandProperty Aliases | select -Property Name -ExpandProperty  
Paths`
```

* Additional properties are available in the output and can be displayed by piping the output to ``Format-List``. For example: ``Get-AzPolicyAlias -NamespaceMatch`

```
'Web' -ResourceTypeMatch site -PathMatch cert | Format-List`
```

----- Example 1 -----

Get-AzPolicyAlias

Namespace	ResourceType	Aliases
-----	-----	-----
Microsoft.AnalysisServices	servers	{Microsoft.AnalysisServices/servers/state, Microsoft.AnalysisServices/s...
Microsoft.Authorization	roleAssignments	{Microsoft.Authorization/roleAssignments/roleDefinitionId, Microsoft.Au...
Microsoft.Authorization	roleDefinitions	{Microsoft.Authorization/roleDefinitions/type, Microsoft.Authorization/...
...	...	...
Microsoft.Web	hostingEnvironments	{Microsoft.Web/hostingEnvironments/clusterSettings[*].name, Microsoft.W...
Microsoft.Web	sites/config	{Microsoft.Web/sites/config/httpLoggingEnabled, Microsoft.Web/sites/con...
Microsoft.GuestConfiguration	guestConfigurationAssignments	{Microsoft.GuestConfiguration/guestConfigurationAssignments/complianceS...

Lists all provider resource types that have an alias.

----- Example 2 -----

Get-AzPolicyAlias -ListAvailable

Namespace	ResourceType	Aliases
-----	-----	-----
...	...	...
Microsoft.AlertsManagement	operations	{}
Microsoft.AnalysisServices	servers	{Microsoft.AnalysisServices/servers/sta...

$\{$

...

Lists all provider resource types, including those without aliases.

----- Example 3 -----

Get-AzPolicyAlias -NamespaceMatch 'compute'

Namespace	ResourceType	Aliases
Microsoft.Compute	virtualMachines	{Microsoft.Compute/licenseType, Microsoft.Compute/virtualMachines/availabilitySet.id, Microsoft.Compute/virtualMachines/extensions.provisioningState}
Microsoft.Compute	virtualMachines/extensions	{Microsoft.Compute/virtualMachines/extensions/provisioningState, Microsoft.Compute/virtualMachines/extensions/publicKey}
Microsoft.Compute	virtualMachineScaleSets	{Microsoft.Compute/VirtualMachineScaleSets/sku.name, Microsoft.Compute/VirtualMachineScaleSets/extensionProfile.extensions}
Microsoft.Compute	virtualMachineScaleSets/extensions	{Microsoft.Compute/virtualMachineScaleSets/extensions/provisioningState, Microsoft.Compute/virtualMachineScaleSets/extensions/publicKey}
Microsoft.Compute	disks	{Microsoft.Compute/imagePublisher, Microsoft.Compute/imageOffer, Microsoft.Compute/imageSku, Microsoft.Compute/diskEncryptionSettings}

Lists all provider resource types whose namespace matches 'compute' and contain an alias.

----- Example 4 -----

Get-AzPolicyAlias -ResourceTypeMatch 'virtual'

Namespace	ResourceType	Aliases
-----------	--------------	---------

Microsoft.Compute	virtualMachines	{Microsoft.Compute/licenseType,
Microsoft.Compute/virtualMachines/availabilitySet.id, Micro...		
Microsoft.Compute	virtualMachines/extensions	{Microsoft.Compute/virtualMachines/extensions/provisioningState,
Microsoft.Compute/virtualM...		
Microsoft.Compute	virtualMachineScaleSets	{Microsoft.Compute/VirtualMachineScaleSets/sku.name,
Microsoft.Compute/VirtualMachineScaleS...		
	Microsoft.Compute	virtualMachineScaleSets/extensions
{Microsoft.Compute/virtualMachineScaleSets/extensions/provisioningState, Microsoft.Compute/...		
Microsoft.Network	virtualNetworks	{Microsoft.Network/virtualNetworks/subnets[*].routeTable.id,
Microsoft.Network/virtualNetwo...		
Microsoft.Network	virtualNetworkGateways	{Microsoft.Network/virtualNetworkGateways/sku.name,
Microsoft.Network/virtualNetworkGateway...		
Microsoft.Network	virtualNetworks/subnets	{Microsoft.Network/virtualNetworks/subnets/routeTable.id,
Microsoft.Network/virtualNetworks...		
	Microsoft.Network	virtualNetworks/virtualNetworkPeerings
{Microsoft.Network/virtualNetworks/virtualNetworkPeerings/remoteVirtualNetwork.id}		
Microsoft.Sql	servers/virtualNetworkRules	{Microsoft.Sql/servers/virtualNetworkRules/virtualNetworkSubnetId,
Microsoft.Sql/servers/vi...		

Lists all provider resource types whose resource type matches 'virtual' and contain an alias.

----- Example 5 -----

Get-AzPolicyAlias -ResourceTypeMatch 'virtual' -ListAvailable

Namespace	ResourceType	Aliases
-----	-----	-----
...	...	...

Microsoft.KeyVault	locations/deleteVirtualNetworkOrSubnets	{}
--------------------	---	----

Microsoft.Network	virtualNetworks
-------------------	-----------------


```
{Microsoft.Network/virtualNetworks/subnets[*].routeTable.id,...
```

```
Microsoft.Network virtualNetworkGateways
```

```
{Microsoft.Network/virtualNetworkGateways/sku.name, Microsof...
```

```
Microsoft.Network locations/virtualNetworkAvailableEndpointServices {}
```

```
... ...
```

Lists all provider resource types whose resource type matches 'virtual', including those without aliases.

----- Example 6 -----

```
Get-AzPolicyAlias -NamespaceMatch 'compute' -ResourceTypeMatch 'virtual'
```

Namespace	ResourceType	Aliases
-----	-----	-----
Microsoft.Compute	virtualMachines	{Microsoft.Compute/licenseType, Microsoft.Compute/virtualMachines/availabilitySet.id, Microsoft.Compute/virtualMachines/extensions/provisioningState, Microsoft.Compute/virtualMachineScaleSets/sku.name, Microsoft.Compute/virtualMachineScaleSets/extensions/provisioningState, Microsoft.Compute/virtualMachineScaleSets/...

Lists all provider resource types whose namespace matches 'compute' and resource type matches 'virtual' and contain an alias. Note: -NamespaceMatch and -ResourceTypeMatch provide exclusive matches, whereas the others are inclusive.

----- Example 7 -----

```
Get-AzPolicyAlias -AliasMatch 'virtual'
```

Namespace	ResourceType	Aliases
-----	-----	-----
Microsoft.Compute	virtualMachines	{Microsoft.Compute/licenseType, Microsoft.Compute/virtualMachines/availabilitySet.id, Mi...
Microsoft.Compute	virtualMachines/extensions	{Microsoft.Compute/virtualMachines/extensions/provisioningState, Microsoft.Compute/virtu...
Microsoft.Compute	virtualMachineScaleSets	{Microsoft.Compute/VirtualMachineScaleSets/sku.name, Microsoft.Compute/VirtualMachineSca...
Microsoft.Compute	virtualMachineScaleSets/extensions	{Microsoft.Compute/virtualMachineScaleSets/extensions/provisioningState, Microsoft.Compu...
Microsoft.DocumentDB	databaseAccounts	{Microsoft.DocumentDB/databaseAccounts/sku.name, Microsoft.DocumentDB/databaseAccounts/v...
Microsoft.HDInsight	clusters	{Microsoft.HDInsight/clusters/clusterVersion, Microsoft.HDInsight/clusters/osType, Micro...
Microsoft.KeyVault	vaults	{Microsoft.KeyVault/vaults/sku.name, Microsoft.KeyVault/vaults/sku.family, Microsoft.Key...
Microsoft.Network	virtualNetworks	{Microsoft.Network/virtualNetworks/subnets[*].routeTable.id, Microsoft.Network/virtualNe...
Microsoft.Network	virtualNetworkGateways	{Microsoft.Network/virtualNetworkGateways/sku.name, Microsoft.Network/virtualNetworkGate...
Microsoft.Network	virtualNetworks/subnets	{Microsoft.Network/virtualNetworks/subnets/routeTable.id, Microsoft.Network/virtualNetwo...
Microsoft.Network	virtualNetworks/virtualNetworkPeerings	{Microsoft.Network/virtualNetworks/virtualNetworkPeerings/remoteVirtualNetwork.id}
Microsoft.Sql	servers/virtualNetworkRules	{Microsoft.Sql/servers/virtualNetworkRules/virtualNetworkSubnetId, Microsoft.Sql/servers...
Microsoft.Storage	storageAccounts	{Microsoft.Storage/storageAccounts/accountType, Microsoft.Storage/storageAccounts/sku.na...

Lists all provider resource types that contain an alias matching 'virtual'.

----- Example 8 -----

```
Get-AzPolicyAlias -AliasMatch 'virtual' -PathMatch 'network'
```

Namespace	ResourceType	Aliases
-----	-----	-----
Microsoft.Compute	virtualMachines	{Microsoft.Compute/licenseType,
Microsoft.Compute/virtualMachines/availabilitySet.id, Mi...		
Microsoft.Compute	virtualMachines/extensions	
{Microsoft.Compute/virtualMachines/extensions/provisioningState, Microsoft.Compute/virtu...		
Microsoft.Compute	virtualMachineScaleSets	{Microsoft.Compute/VirtualMachineScaleSets/sku.name,
Microsoft.Compute/VirtualMachineSca...		
Microsoft.Compute	virtualMachineScaleSets/extensions	
{Microsoft.Compute/virtualMachineScaleSets/extensions/provisioningState, Microsoft.Compu...		
Microsoft.DocumentDB	databaseAccounts	{Microsoft.DocumentDB/databaseAccounts/sku.name,
Microsoft.DocumentDB/databaseAccounts/v...		
Microsoft.HDInsight	clusters	{Microsoft.HDInsight/clusters/clusterVersion,
Microsoft.HDInsight/clusters/osType, Micro...		
Microsoft.KeyVault	vaults	{Microsoft.KeyVault/vaults/sku.name,
Microsoft.KeyVault/vaults/sku.family, Microsoft.Key...		
Microsoft.Network	virtualNetworks	{Microsoft.Network/virtualNetworks/subnets[*].routeTable.id,
Microsoft.Network/virtualNe...		
Microsoft.Network	networkInterfaces	{Microsoft.Network/networkInterfaces/ipconfigurations[*].subnet.id,
Microsoft.Network/ne...		
Microsoft.Network	networkSecurityGroups	
{Microsoft.Network/networkSecurityGroups/securityRules[*].protocol, Microsoft.Network/ne...		
Microsoft.Network	virtualNetworkGateways	{Microsoft.Network/virtualNetworkGateways/sku.name,
Microsoft.Network/virtualNetworkGate...		
Microsoft.Network	virtualNetworks/subnets	{Microsoft.Network/virtualNetworks/subnets/routeTable.id,
Microsoft.Network/virtualNetwo...		
Microsoft.Network	virtualNetworks/virtualNetworkPeerings	
{Microsoft.Network/virtualNetworks/virtualNetworkPeerings/remoteVirtualNetwork.id}		
Microsoft.Sql	servers/virtualNetworkRules	{Microsoft.Sql/servers/virtualNetworkRules/virtualNetworkSubnetId,

Microsoft.Sql/servers...

Microsoft.Storage	storageAccounts	{Microsoft.Storage/storageAccounts/accountType,
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Microsoft.Storage/storageAccounts/sku.na...

Lists all provider resource types that contain an alias matching 'virtual' or an alias with a path matching 'network'.

----- Example 9 -----

Get-AzPolicyAlias -ApiVersionMatch 'alpha'

Namespace	ResourceType	Aliases
-----	-----	-----
Microsoft.Cache	Redis	{Microsoft.Cache/Redis/sku.name, Microsoft.Cache/Redis/sku.family,
Microsoft.Cache/Redis/sku.capacity, Micros...		
	Microsoft.Cache	Redis/firewallrules {Microsoft.Cache/Redis/firewallrules/startIP,
Microsoft.Cache/Redis/firewallrules/endIP}		
Microsoft.Security alerts		{Microsoft.Security/alerts/state}
Microsoft.Security pricings		{Microsoft.Security/pricings/pricingTier}
Microsoft.Security complianceResults		{Microsoft.Security/complianceResults/resourceStatus}

Lists all provider resource types with alpha api version or containing an alias with an alpha api version.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.resources/get-azpolicyalias>