



Windows PowerShell Get-Help on Cmdlet 'New-AzStorageBlobInventoryPolicyRule'

PS:\>Get-HELP New-AzStorageBlobInventoryPolicyRule -Full

NAME

New-AzStorageBlobInventoryPolicyRule

SYNOPSIS

Creates a blob inventory policy rule object, which can be used in Set-AzStorageBlobInventoryPolicy.

SYNTAX

```
New-AzStorageBlobInventoryPolicyRule [-Name] <System.String> -BlobSchemaField {Name | Creation-Time |
Last-Modified | Content-Length | Content-MD5 | BlobType |
AccessTier | AccessTierChangeTime | Expiry-Time | hdi_isfolder | Owner | Group | Permissions | Acl | Metadata |
LastAccessTime | AccessTierInferred | Tags | Etag |
Content-Type | Content-Encoding | Content-Language | Content-CRC64 | Cache-Control | Content-Disposition |
LeaseStatus | LeaseState | LeaseDuration | ServerEncrypted
| Deleted | RemainingRetentionDays | ImmutabilityPolicyUntilDate | ImmutabilityPolicyMode | LegalHold | CopyId |
CopyStatus | CopySource | CopyProgress |
CopyCompletionTime | CopyStatusDescription | CustomerProvidedKeySha256 | RehydratePriority | ArchiveStatus |
x-ms-blob-sequence-number | EncryptionScope |
IncrementalCopy | DeletionId | DeletedTime | TagCount} -BlobType {blockBlob | pageBlob | appendBlob}
[-CreationTimeLastNDay <System.Int32>] [-DefaultProfile
```

```

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -Destination
<System.String> [-Disabled] [-ExcludePrefix <System.String[]>]
-Format {Csv | Parquet} [-IncludeBlobVersion] [-IncludeDeleted] [-IncludeSnapshot] [-PrefixMatch <System.String[]>]
-Schedule {Daily | Weekly} [<CommonParameters>]

New-AzStorageBlobInventoryPolicyRule [-Name] <System.String> -ContainerSchemaField {Name | Last-Modified |
Metadata | LeaseStatus | LeaseState | LeaseDuration |
PublicAccess | HasImmutabilityPolicy | HasLegalHold | Etag | DefaultEncryptionScope | DenyEncryptionScopeOverride |
ImmutableStorageWithVersioningEnabled | Deleted |
Version | DeletedTime | RemainingRetentionDays} [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-Destination <System.String> [-Disabled] [-ExcludePrefix <System.String[]>] -Format {Csv | Parquet} [-PrefixMatch
<System.String[]>] -Schedule {Daily | Weekly}
[<CommonParameters>]

```

DESCRIPTION

The New-AzStorageBlobInventoryPolicyRule cmdlet creates a blob inventory policy rule object, which can be used in Set-AzStorageBlobInventoryPolicy.

PARAMETERS

-BlobSchemaField <System.String[]>

Specifies the fields and properties of the Blob object to be included in the inventory. Valid values include: Name, Creation-Time, Last-Modified, Content-Length,

Content-MD5, BlobType, AccessTier, AccessTierChangeTime, Expiry-Time, hdi_isfolder, Owner, Group, Permissions, Acl, Metadata, LastAccessTime, AccessTierInferred,

Tags. 'Name' is a required schemafield. Schema field values 'Expiry-Time, hdi_isfolder, Owner, Group, Permissions, Acl' are valid only for HierarchicalNamespace

enabled accounts.'Tags' field is only valid for non HierarchicalNamespace accounts. If specify '-IncludeSnapshot', will include 'Snapshot' in the inventory. If

specify '-IncludeBlobVersion', will include 'VersionId, 'IsCurrentVersion' in the inventory.

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

-BlobType <System.String[]>

Sets the blob types for the blob inventory policy rule. Valid values include blockBlob, appendBlob, pageBlob. Hns accounts does not support pageBlobs.

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

-ContainerSchemaField <System.String[]>

Specifies the fields and properties of the container object to be included in the inventory. Valid values include: Name, Last-Modified, Metadata, LeaseStatus, LeaseState, LeaseDuration, PublicAccess, HasImmutabilityPolicy, HasLegalHold. 'Name' is a required schemafield.

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

-CreationTimeLastNDay <System.Int32>

Filter the objects which has creation time in last N days. The valid value is between 1 to 36500. Inventory schema 'Creation-Time' is mandatory with this filter.

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

-Destination <System.String>

The container name where blob inventory files are stored. Must be pre-created.

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

-Disabled <System.Management.Automation.SwitchParameter>

The rule is disabled if set it.

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

-ExcludePrefix <System.String[]>

Sets an array of strings with maximum 10 blob prefixes to be excluded from the inventory.

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

-Format <System.String>

Specifies the format for the inventory files. Possible values include: 'Csv', 'Parquet'

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

-IncludeBlobVersion <System.Management.Automation.SwitchParameter>

The rule is disabled if set it.

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

-IncludeDeleted <System.Management.Automation.SwitchParameter>

Includes deleted blob in blob inventory. When include delete blob, for ContainerSchemaFields, must include 'Deleted, Version, DeletedTime and

RemainingRetentionDays'. For BlobSchemaFields, on HNS enabled storage accounts, must include 'DeletionId, Deleted, DeletedTime and RemainingRetentionDays', and on

Hns disabled accounts must include 'Deleted and RemainingRetentionDays', else they must be excluded.

Required? false

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

-IncludeSnapshot <System.Management.Automation.SwitchParameter>

The rule is disabled if set it.

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

-Name <System.String>

A rule name can contain any combination of alpha numeric characters. Rule name is case-sensitive. It must be unique within a policy.

Required? true
Position? 0
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PrefixMatch <System.String[]>

Sets an array of strings for blob prefixes to be matched..

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

-Schedule <System.String>

This field is used to schedule an inventory formation. Possible values include: 'Daily', 'Weekly'

Required? true

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.Management.Storage.Models.PSBlobInventoryPolicyRule

NOTES

Example 1: Create blob inventory policy rule objects, then sets blob inventory policy with the rule objects.

\$rule1 = New-AzStorageBlobInventoryPolicyRule -Name Test1 -Destination \$containerName -Disabled -Format Csv

-Schedule Daily -ContainerSchemaField

Name,Metadata,PublicAccess,Last-Modified,LeaseStatus,LeaseState,LeaseDuration,HasImmutabilityPolicy,HasLegalHold

-PrefixMatch con1,con2

```
$rule2 = New-AzStorageBlobInventoryPolicyRule -Name Test2 -Destination $containerName -Format Parquet -Schedule  
Weekly -IncludeSnapshot -BlobType  
blockBlob,appendBlob -PrefixMatch aaa,bbb `  
-BlobSchemaField
```

name,Creation-Time,Last-Modified,Content-Length,Content-MD5,BlobType,AccessTier,AccessTierChangeTime,Expiry-Time,
hdi_isfolder,Owner,Group,Permissions,Acl,Metadata

-CreationTimeLastNDay 30

```
$rule3 = New-AzStorageBlobInventoryPolicyRule -Name Test3 -Destination $containerName -Format Parquet -Schedule  
Weekly -IncludeSnapshot -IncludeDeleted -BlobType  
blockBlob,appendBlob -PrefixMatch aaa,bbb `  
-ExcludePrefix ccc,ddd -BlobSchemaField
```

name,Last-Modified,BlobType,AccessTier,AccessTierChangeTime,Content-Type,Content-CRC64,CopyId,DeletionId,Deleted,
DeletedTime,RemainingRetentionDays

```
$policy = Set-AzStorageBlobInventoryPolicy -ResourceGroupName "myresourcegroup" -AccountName  
"mystorageaccount" -Disabled -Rule $rule1,$rule2
```

\$policy

StorageAccountName : mystorageaccount

ResourceGroupName : myresourcegroup

Name : DefaultInventoryPolicy

Id :

/subscriptions/{subscription-Id}/resourceGroups/myresourcegroup/providers/Microsoft.Storage/storageAccounts/mystoragea
ccount/inventoryPolicies/default

Type : Microsoft.Storage/storageAccounts/inventoryPolicies

LastModifiedTime : 5/12/2021 8:53:38 AM

Enabled : False

Rules : {Test1, Test2, Test3}

\$policy.Rules

Name	Enabled	Destination	ObjectType	Format	Schedule	IncludeSnapshots	IncludeBlobVersions	IncludeDeleted
BlobTypes		PrefixMatch	ExcludePrefix					
SchemaFields				CreationTime				
-----	-----	-----	-----	-----	-----	-----	-----	-----
-----	-----	-----	-----	-----	-----	-----	-----	-----
Test1	False	containername	Container	Csv	Daily			{con1, con2}
{Name,								
Metadata, PublicAccess, Last-Modified...}								
Test2	True	containername	Blob	Parquet	Weekly	True		{blockBlob, appendBlob} {aaa,
bbb}								{Name,
Creation-Time, Last-Modified, Content-Length...} LastNDays=30								
Test3	True	containername	Blob	Parquet	Weekly	True	True	{blockBlob, appendBlob}
{aaa, bbb} {ccc, ddd} {Name,								
Last-Modified, BlobType, AccessTier...}								

This first 3 commands create 3 BlobInventoryPolicy rule objects: rule "Test1" for container inventory; rule "Test2" for blob inventory; rule "Test3" for blob

inventory with more schema fields, excludePrefix specified, and IncludeDeleted enabled. The following command sets blob inventory policy to a Storage account with the

3 rule objects, then show the updated policy and rules properties.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.storage/new-azstorageblobinventorypolicyrule>

