



Windows PowerShell Get-Help on Cmdlet 'Invoke-ProcessPartition'

PS:\>Get-HELP Invoke-ProcessPartition -Full

NAME

Invoke-ProcessPartition

SYNOPSIS

Conducts the Process operation on a specific Partition of a specific database having a specific Cube name and a MeasureGroup name with a specific ProcessType value.

SYNTAX

```
Invoke-ProcessPartition [-Name] <String> [-Database] <String> [-ProcessType] {ProcessFull | ProcessAdd | ProcessUpdate | ProcessIndexes | ProcessData | ProcessDefault | ProcessClear | ProcessStructure | ProcessClearStructureOnly | ProcessScriptCache | ProcessRecalc | ProcessDefrag} [-CubeName] <String> [-MeasureGroupName] <String> [-ApplicationId <String>] [-CertificateThumbprint <String>] [-Credential <PSCredential>] [-ProgressAction <ActionPreference>] [-Server <String>] [-ServicePrincipal] [-TenantId <String>] [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Invoke-ProcessPartition [-PartitionName] <String> [-Database] <String> [-TableName] <String> [-RefreshType] {Full | ClearValues | Calculate | DataOnly | Automatic | Add | Defragment} [-ApplicationId <String>] [-CertificateThumbprint <String>] [-Credential <PSCredential>]
```

```

[-ProgressAction <ActionPreference>] [-Server <String>]
[-ServicePrincipal] [-TenantId <String>] [-Confirm] [-WhatIf] [<CommonParameters>]

Invoke-ProcessPartition [-ProcessType] {ProcessFull | ProcessAdd | ProcessUpdate | ProcessIndexes | ProcessData |
ProcessDefault | ProcessClear | ProcessStructure |
ProcessClearStructureOnly | ProcessScriptCache | ProcessRecalc | ProcessDefrag} [-ApplicationId <String>]
[-CertificateThumbprint <String>] [-Credential
<PSCredential>] -DatabasePartition <Object> [-ProgressAction <ActionPreference>] [-Server <String>] [-ServicePrincipal]
[-TenantId <String>] [-Confirm] [-WhatIf]
[<CommonParameters>]

Invoke-ProcessPartition [-RefreshType] {Full | ClearValues | Calculate | DataOnly | Automatic | Add | Defragment}
[-ApplicationId <String>] [-CertificateThumbprint
<String>] [-Credential <PSCredential>] -DatabasePartition <Object> [-ProgressAction <ActionPreference>] [-Server
<String>] [-ServicePrincipal] [-TenantId <String>]
[-Confirm] [-WhatIf] [<CommonParameters>]

```

DESCRIPTION

Conducts the Process operation on a specific Partition of a specific database having a specific Cube name and a MeasureGroup name with a specific ProcessType value.

> `Module requirements: version 21+ on PowerShell 5.1; version 21 (recent preview) or version 22+ on PowerShell 7.x.`

PARAMETERS

-ApplicationId <String>

The application Id for the service principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CertificateThumbprint <String>

The certificate thumbprint for the service principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Credential <PSCredential>

If this parameter is specified, the user name and password passed will be used to connect to specified Analysis Server instance.

If no credentials are specified default windows account of the user who is running the tool will be used.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-CubeName <String>

Cube name to which the MeasureGroup belongs to. (Multidimensional metadata only)

Required? true

Position? 3

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Database <String>

Database name to which the cube belongs to. (Multidimensional and tabular metadata)

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-DatabasePartition <Object>

Microsoft.AnalysisServices.Partition or Microsoft.AnalysisService.Tabular.Partition object that has to be processed.

(Multidimensional and tabular metadata
respectively)

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-MeasureGroupName <String>

MeasureGroup name to which the Partition belongs to.(Multidimensional metadata only)

Required? true
Position? 4
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-Name <String>

Name of the Partition that has to be processed. (Multidimensional metadata only)

Required? true
Position? 0

Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PartitionName <String>

The name of the partition.

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

-ProcessType <ProcessType>

Specifies the process type (Multidimensional metadata only)

Required? true
Position? 2
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-ProgressAction <ActionPreference>

Determines how PowerShell responds to progress updates generated by a script, cmdlet, or provider, such as the progress bars generated by the Write-Progress

cmdlet. The Write-Progress cmdlet creates progress bars that show a command's status.

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

-RefreshType <RefreshType>

The type of refresh.

Required? true

Position? 2

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Server <String>

Optionally specifies the server instance to connect to if not currently in the SQLAS Provider directory.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ServicePrincipal [<SwitchParameter>]

Specifies that this connection is using service principal.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-TableName <String>

Specifies the name of the table.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-TenantId <String>

The tenant Id for the service principal.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Confirm [<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 [<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

OUTPUTS

NOTES

Supported on all Analysis Services instances

----- Process partition from pipeline -----

PS

```
SQLSERVER:\SQLAS\MachineName\Instance\Databases\DB1\Cubes\myCube\MeasureGroups\myMeasureGroup\Partition  
s\Partition1> Get-Item . | Invoke-ProcessPartition  
-ProcessType ProcessDefault
```

This command pipes in the identity of the partition to be processed.

----- Process partition using name -----

```
PS SQL SERVER:\SQLAS\MachineName\Instance\Databases\AWTEST\Cubes\Adventure Works\MeasureGroups>  
Invoke-ProcessPartition ?Name "Total_Orders_2003" ?MeasureGroupname  
"Sales Order" ?CubeName "Adventure Works" ?database "AWTEST" ?ProcessType "ProcessFull"
```

This command processes the partition 'Total_Orders_2003' in the 'Sales Orders' measure group of the 'AWTEST' database.

----- Process tabular metadata partition -----

```
PS SQLSERVER:\SQLAS\MachineName\Instance\Databases\DB1> Invoke-ProcessPartition -PartitionName  
"myPartition" -TableName "myTable" -Database "DB1" -RefreshType "Full"
```


-- Process tabular metadata partition using enum refresh type --

```
PS SQLSERVER:\SQLAS\MachineName\Instance\Databases\DB1> Invoke-ProcessPartition -PartitionName  
"myPartition" -TableName "myTable" -Database "DB1" -RefreshType  
[Microsoft.AnalysisServices.Tabular.RefreshType]::Full
```

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/invoke-processpartition>