



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

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

NAME

Invoke-ProcessDimension

SYNOPSIS

Conducts the Process operation on a specified Cube of a specific database with a specific ProcessType value.

SYNTAX

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

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

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

DESCRIPTION

Conducts the Process operation on a specific Dimension of a specific database with a specific ProcessType value depending upon the input values.

> `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

-Database <String>

The database name to which the Dimension belongs to.

Required? true

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseDimension <Dimension>

The Microsoft.AnalysisServices.Dimension object that has to be processed.

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

-Name <String>

Name of the Dimension that has to be processed.

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

-ProcessType <ProcessType>

Analysis Services ProcessType value.

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

-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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.AnalysisServices.Dimension

OUTPUTS

NOTES

Not supported on tabular databases with compatibility level 1200 or higher.

Sometimes a dimension that processed successfully appears as unprocessed when you list the dimensions folder in the PowerShell window. To verify whether a dimension was actually processed, check the dimension properties in SQL Server Management Studio.

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

```
PS SQL SERVER:\sqlas\localhost\default\Databases\AWTEST\Dimensions\Account> Get-Item . |  
Invoke-ProcessDimension -ProcessType ProcessDefault
```

This command retrieves the specified dimension object via the pipeline and processes it.

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

```
PS SQL SERVER:\sqlas\localhost\default\Databases\AWTEST\Dimensions > Invoke-ProcessDimension -Name Customer  
-Database AWTEST -ProcessType ProcessDefault
```

This command identifies a specific dimension that will be processed.

RELATED LINKS

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