



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

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

NAME

Invoke-ProcessASDatabase

SYNOPSIS

Conducts the Process operation on a specified Database with a specific ProcessType or RefreshType depending on the underlying metadata type.

SYNTAX

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

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

[-TenantId <String>] [-Confirm] [-WhatIf]

[<CommonParameters>]

Invoke-ProcessASDatabase [-DatabaseName] <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-ProcessASDatabase [-DatabaseName] <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>]

DESCRIPTION

Conducts the Process operation on a specified Database with a specific ProcessType or RefreshType depending on the underlying metadata type.

Use ProcessType for database with multidimensional metadata (this includes tabular databases with compatibility level less than 1200). Use RefreshType for tabular databases with compatibility level 1200 or higher.

> `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 <Object>

Specifies the Tabular or Multidimensional database to be processed.

Required?	true
Position?	named
Default value	None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-DatabaseName <String>

Specifies the name of the Tabular or Multidimensional database to be processed.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ProcessType <ProcessType>

Specifies the process type for a Multidimensional database or a Tabular database at compatibility levels 1050-1103.

See Processing Options and Settings (Analysis Services)

(/sql/analysis-services/multidimensional-models/processing-options-and-settings-analysis-services)for

descriptions and guidance.

Required? true

Position? 1

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>

Specifies the process type for a Tabular database.

See Process Database, Table, or Partition (Analysis Services)

(/sql/analysis-services/tabular-models/process-database-table-or-partition-analysis-services)for

descriptions and guidance.

Required? true

Position? 1

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>).

INPUTS

System.Object

OUTPUTS

System.Object

NOTES

Supported on all Analysis Services instances

----- Process entire AS tabular database using name -----

```
PS SQLSERVER:\SQLAS\MachineName\Instance\Databases\DB1> Invoke-ProcessASDatabase -DatabaseName "DB1"
-RefreshType "Full"
```

----- Process entire AS tabular database using pipeline -----

```
PS SQLSERVER:\SQLAS\MachineName\Instance\Databases> $db = (gci "DB1")
PS SQLSERVER:\SQLAS\MachineName\Instance\Databases> $db | Invoke-ProcessASDatabase -RefreshType "Full"
```

RELATED LINKS

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

