



Windows PowerShell Get-Help on Cmdlet 'Backup-ASDatabase'

PS:\>Get-HELP Backup-ASDatabase -Full

NAME

Backup-ASDatabase

SYNOPSIS

Enables a database administrator to take the backup of Analysis Service Database to a file.

SYNTAX

Backup-ASDatabase [-BackupFile] <String> [-Name] <String> [-AllowOverwrite] [-ApplicationId <String>]
[-ApplyCompression] [-BackupRemotePartitions]

[-CertificateThumbprint <String>] [-Credential <PSCredential>] [-FilePassword <SecureString>] [-ProgressAction
<ActionPreference>] [-Server <String>]

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

Backup-ASDatabase [-AllowOverwrite] [-ApplyCompression] [-BackupRemotePartitions] -Database <Database[]>
[-FilePassword <SecureString>] [-ProgressAction
<ActionPreference>] [-Confirm] [-WhatIf] [<CommonParameters>]

Backup-ASDatabase [-ApplicationId <String>] [-CertificateThumbprint <String>] [-Credential <PSCredential>]
[-ProgressAction <ActionPreference>] [-Server <String>]

`[-ServicePrincipal] [-TenantId <String>] [-Confirm] [-WhatIf] [<CommonParameters>]`

`Backup-ASDatabase [-ApplicationId <String>] [-CertificateThumbprint <String>] [-Credential <PSCredential>]
[-ProgressAction <ActionPreference>] [-Server <String>]`

`[-ServicePrincipal] [-TenantId <String>] [-Confirm] [-WhatIf] [<CommonParameters>]`

`Backup-ASDatabase [-ApplicationId <String>] [-CertificateThumbprint <String>] [-Credential <PSCredential>]
[-ProgressAction <ActionPreference>] [-Server <String>]`

`[-ServicePrincipal] [-TenantId <String>] [-Confirm] [-WhatIf] [<CommonParameters>]`

DESCRIPTION

Enables a database administrator to take the backup of Analysis Service Database to a file. If only backup file name is mentioned without the location, the default

backup location specified during the installation will be considered. Database Administrator can also pass multiple databases through pipeline and perform the backup operation.

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

PARAMETERS

`-AllowOverwrite [<SwitchParameter>]`

Indicates whether the destination files can be overwritten during backup.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

`-ApplicationId <String>`

The application Id for the service principal.

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

-ApplyCompression [<SwitchParameter>]

Indicates whether the backup file will be compressed or not.

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

-BackupFile <String>

The backup file path/name where database will be backed up. If only backup file name is mentioned without the location, the default backup location specified

during the installation will be considered. This parameter will only be used if the database to backup is specified with the Name parameter, not if it is passed in with the Database parameter.

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

-BackupRemotePartitions [<SwitchParameter>]

Indicates whether remote partitions will be backed up or not.

Required?	false
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Position? named
Default value False
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 <Database[]>

The Database or Databases to be backed up. The filename of the backup will be the same as the database.

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

-FilePassword <SecureString>

The password to be used with backup file encryption

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Name <String>

Analysis Services Database Name that has to be backed up.

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

-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

Microsoft.AnalysisServices.Database[]

OUTPUTS

System.Object

NOTES

Supported on all Analysis Services instances Currently unsupported by the PowerBI Premium Product. It will be supported in the future.

----- Example 1: Backup database by name -----

```
Backup-ASDatabase mydb.abf mydatabase
```

----- Example 2: Backup database with compression -----

```
Backup-ASDatabase "D:\MyFolder\mydb.abf" mydatabase -AllowCompression
```

-- Example 3: Backup database with compression and encrypted --

```
Backup-ASDatabase "D:\MyFolder\mydb.abf" mydatabase -AllowCompression -FilePassword:$pwd
```

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/sqlserver/backup-asdatabase>