



Windows PowerShell Get-Help on Cmdlet 'Get-AzSqlDatabaseAdvisor'

PS:\>Get-HELP Get-AzSqlDatabaseAdvisor -Full

NAME

Get-AzSqlDatabaseAdvisor

SYNOPSIS

Gets one or more Advisors for an Azure SQL Database.

SYNTAX

```
Get-AzSqlDatabaseAdvisor [-ResourceGroupName] <System.String> [-AdvisorName <System.String>] -DatabaseName  
<System.String> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]  
[-ExpandRecommendedActions] -ServerName <System.String> [<CommonParameters>]
```

DESCRIPTION

The Get-AzSqlDatabaseAdvisor cmdlet gets one or more Azure SQL Database Advisors for an Azure SQL Database.

PARAMETERS

-AdvisorName <System.String>

Specifies the name of the advisor that this cmdlet gets.

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

-DatabaseName <System.String>

Specifies the name of the database for which this cmdlet requests the Advisor.

Required?	true
Position?	named
Default value	None
Accept pipeline input?	True (ByPropertyName)
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

-ExpandRecommendedActions <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet gets the recommended actions with the response.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group of the server that contains this database.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServerName <System.String>

Specifies the name of the server that contains the database.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

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.String

System.Management.Automation.SwitchParameter

OUTPUTS

Microsoft.Azure.Commands.Sql.Advisor.Model.AzureSqlDatabaseAdvisorModel

NOTES

* Keywords: azure, azurerm, arm, resource, management, manager, sql, database, mssql, advisor

- Example 1: List all the advisors for the specified database -

```
Get-AzSqlDatabaseAdvisor -ResourceGroupName "WIRunnersProd" -ServerName "wi-runner-australia-east"  
-DatabaseName "WIRunner"
```

```
DatabaseName      : WIRunner  
ResourceGroupName : WIRunnersProd  
ServerName        : wi-runner-australia-east  
AdvisorName       : CreateIndex  
AdvisorStatus     : GA  
AutoExecuteStatus : Disabled  
AutoExecuteStatusInheritedFrom : Database  
LastChecked       : 8/1/2016 2:36:47 PM  
RecommendationsStatus : Ok  
RecommendedActions : {}
```

```
DatabaseName      : WIRunner  
ResourceGroupName : WIRunnersProd  
ServerName        : wi-runner-australia-east  
AdvisorName       : DropIndex  
AdvisorStatus     : PublicPreview  
AutoExecuteStatus : Disabled
```

AutoExecuteStatusInheritedFrom : Database

LastChecked : 7/31/2016 8:41:19 PM

RecommendationsStatus : Ok

RecommendedActions : {}

DatabaseName : WIRunner

ResourceGroupName : WIRunnersProd

ServerName : wi-runner-australia-east

AdvisorName : DbParameterization

AdvisorStatus : PublicPreview

AutoExecuteStatus : Disabled

AutoExecuteStatusInheritedFrom : Default

LastChecked : 7/31/2016 2:46:58 PM

RecommendationsStatus : NoDbParameterizationIssue

RecommendedActions : {}

DatabaseName : WIRunner

ResourceGroupName : WIRunnersProd

ServerName : wi-runner-australia-east

AdvisorName : SchemaIssue

AdvisorStatus : PublicPreview

AutoExecuteStatus : Disabled

AutoExecuteStatusInheritedFrom : Default

LastChecked : 8/1/2016 3:01:41 PM

RecommendationsStatus : SchemasConsistent

RecommendedActions : {}

This command gets lists all the advisors for the database named WIRunner that belongs to the server named wi-runner-australia-east.

-- Example 2: Get a single advisor for the specified database --

```
Get-AzSqlDatabaseAdvisor -ResourceGroupName "WIRunnersProd" -ServerName "wi-runner-australia-east"
-DatabaseName "WIRunner" -AdvisorName "CreateIndex"
```

```
DatabaseName      : WIRunner
ResourceGroupName : WIRunnersProd
ServerName        : wi-runner-australia-east
AdvisorName       : CreateIndex
AdvisorStatus     : GA
AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Database
LastChecked       : 8/1/2016 2:36:47 PM
RecommendationsStatus : Ok
RecommendedActions : {}
```

This command gets the Advisor named CreateIndex for the database named WIRunner.

Example 3: List all the advisors with their recommended actions included in the response

```
Get-AzSqlDatabaseAdvisor -ResourceGroupName "WIRunnersProd" -ServerName "wi-runner-australia-east"
-DatabaseName "WIRunner" -ExpandRecommendedActions
```

```
DatabaseName      : WIRunner
ResourceGroupName : WIRunnersProd
ServerName        : wi-runner-australia-east
AdvisorName       : CreateIndex
AdvisorStatus     : GA
AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Database
LastChecked       : 8/1/2016 2:36:47 PM
RecommendationsStatus : Ok
RecommendedActions : {IR_[test_schema]_[test_table_0.0361551]_6C7AE8CC9C87E7FD5893,
                     IR_[test_schema]_[test_table_0.236046]_6C7AE8CC9C87E7FD5893,
```

IR_[test_schema]_[test_table_0.239359]_6C7AE8CC9C87E7FD5893,
IR_[test_schema]_[test_table_0.437714]_6C7AE8CC9C87E7FD5893...}

DatabaseName : WIRunner
ResourceGroupName : WIRunnersProd
ServerName : wi-runner-australia-east
AdvisorName : DropIndex
AdvisorStatus : PublicPreview
AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Database
LastChecked : 7/31/2016 8:41:19 PM
RecommendationsStatus : Ok
RecommendedActions : {IR_[test_schema]_[test_table_0.0288891]_38724E1DCF2178318957,
IR_[test_schema]_[test_table_0.140264]_38724E1DCF2178318957,
IR_[test_schema]_[test_table_0.412191]_38724E1DCF2178318957,
IR_[test_schema]_[test_table_0.442075]_38724E1DCF2178318957...}

DatabaseName : WIRunner
ResourceGroupName : WIRunnersProd
ServerName : wi-runner-australia-east
AdvisorName : DbParameterization
AdvisorStatus : PublicPreview
AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Default
LastChecked : 7/31/2016 2:46:58 PM
RecommendationsStatus : NoDbParameterizationIssue
RecommendedActions : {}

DatabaseName : WIRunner
ResourceGroupName : WIRunnersProd
ServerName : wi-runner-australia-east
AdvisorName : SchemaIssue
AdvisorStatus : PublicPreview

AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Default
LastChecked : 8/1/2016 3:04:26 PM
RecommendationsStatus : SchemalsConsistent
RecommendedActions : {}

This command gets all the advisors for the database named 'WIRunner' with their recommended actions included in the response. Since the command uses the

ExpandRecommendedActions parameter, the cmdlet gets the recommended actions with the response.

Example 4: Get a single advisor with its recommended actions included in the response

```
Get-AzSqlDatabaseAdvisor -ResourceGroupName "WIRunnersProd" -ServerName "wi-runner-australia-east"  
-DatabaseName "WIRunner" -AdvisorName "CreateIndex"  
-ExpandRecommendedActions
```

DatabaseName : WIRunner
ResourceGroupName : WIRunnersProd
ServerName : wi-runner-australia-east
AdvisorName : CreateIndex
AdvisorStatus : GA
AutoExecuteStatus : Disabled
AutoExecuteStatusInheritedFrom : Database
LastChecked : 8/1/2016 2:36:47 PM
RecommendationsStatus : Ok
RecommendedActions : {IR_[test_schema]_[test_table_0.0361551]_6C7AE8CC9C87E7FD5893,
IR_[test_schema]_[test_table_0.236046]_6C7AE8CC9C87E7FD5893,
IR_[test_schema]_[test_table_0.239359]_6C7AE8CC9C87E7FD5893,
IR_[test_schema]_[test_table_0.437714]_6C7AE8CC9C87E7FD5893...}

This command gets the Advisor named CreateIndex from the database named WIRunner with its recommended actions included in the response. Since the command uses the

ExpandRecommendedActions parameter, the cmdlet gets the recommended actions with the response.

Example 5: List all the advisors for the specified database using filtering

```
Get-AzSqlDatabaseAdvisor -ResourceGroupName "WIRunnersProd" -ServerName "wi-runner-australia-east"  
-DatabaseName "WIRunner" -AdvisorName d*
```

```
DatabaseName      : WIRunner  
ResourceGroupName : WIRunnersProd  
ServerName       : wi-runner-australia-east  
AdvisorName      : DropIndex  
AdvisorStatus    : PublicPreview  
AutoExecuteStatus : Disabled  
AutoExecuteStatusInheritedFrom : Database  
LastChecked      : 7/31/2016 8:41:19 PM  
RecommendationsStatus : Ok  
RecommendedActions : {}
```

```
DatabaseName      : WIRunner  
ResourceGroupName : WIRunnersProd  
ServerName       : wi-runner-australia-east  
AdvisorName      : DbParameterization  
AdvisorStatus    : PublicPreview  
AutoExecuteStatus : Disabled  
AutoExecuteStatusInheritedFrom : Default  
LastChecked      : 7/31/2016 2:46:58 PM  
RecommendationsStatus : NoDbParameterizationIssue  
RecommendedActions : {}
```

This command gets lists all the advisors for the database named WIRunner that belongs to the server named wi-runner-australia-east and start with the letter "d".

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.sql/get-azsqldatabaseadvisor>

`Get-AzSqlServerAdvisor`

`Get-AzSqlElasticPoolAdvisor`

`Get-AzSqlDatabaseRecommendedAction`

`Set-AzSqlDatabaseAdvisorAutoExecuteStatus`

SQL Database Documentation <https://learn.microsoft.com/azure/sql-database/>