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

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

NAME

Get-SqlSensitivityRecommendations

SYNOPSIS

Get recommended sensitivity labels and information types for columns in the database.

SYNTAX

Get-SqlSensitivityRecommendations -ConnectionString <String> [-ProgressAction <ActionPreference>] [<CommonParameters>]

Get-SqlSensitivityRecommendations [-Credential <PSCredential>] -DatabaseName <String> [-ProgressAction <ActionPreference>] -ServerInstance <PSObject>
[<CommonParameters>]

Get-SqlSensitivityRecommendations -InputObject <Database> [-ProgressAction <ActionPreference>] [<CommonParameters>]

Get-SqlSensitivityRecommendations -Path <String> [-ProgressAction <ActionPreference>] [<CommonParameters>]

Get-SqlSensitivityRecommendations [-ProgressAction <ActionPreference>] [-SuppressProviderContextWarning] [<CommonParameters>]

DESCRIPTION

The Get-SqlSensitivityRecommendations gets the recommended sensitivity labels and information types for columns in the database. The cmdlet does not return values for

columns that already have sensitivity label or information type defined.

The sensitivity labels and information types of columns can be viewed using SQL Server Management Studio (SSMS) (/sql/ssms/sql-server-management-studio-ssms) release

17.5 and above, the [Extended Properties catalog view](/sql/relational-databases/security/sql-data-discovery-and-classification?view=sql-server-2017#subheading-3), or

the Get-SqlSensitivityClassification cmdlet.

The sensitivity labels and information types of columns can be set using SQL Server Management Studio (SSMS) (/sql/ssms/sql-server-management-studio-ssms)release 17.5

and above, or with the Set-SqlSensitivityClassification cmdlet.

> `Module requirements: version 21+ on PowerShell 5.1; version 22+ on PowerShell 7.x.`

PARAMETERS

-ConnectionString <String>

Specifies a connection string to connect to the database. If this parameter is present, other connection parameters will be ignored

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Credential <PSCredential>

Specifies a credential used to connect to the database.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-DatabaseName <String>

Specifies the name of a database. This cmdlet connects to this database in the instance that is specified in the ServerInstance parameter.

If the DatabaseName parameter is not specified, the database that is used depends on whether the current path specifies both the SQLSERVER:\SQL folder and a

database name. If the path specifies both the SQL folder and a database name, this cmdlet connects to the database that is specified in the path.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-InputObject <Database>

Specifies a SQL Server Management Object (SMO) that represent the database that this cmdlet uses.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Path <String>

Specifies the path to the instance of SQL Server on which this cmdlet runs the operation. If you do not specify a value for this parameter, the cmdlet uses the

current working location.

Required? true

Position? named

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

-ServerInstance <PSObject>

Specifieseither the name of the server instance (a string) or SQL Server Management Objects (SMO) object that specifies the name of an instance of the Database

Engine. For default instances, only specify the computer name: MyComputer. For named instances, use the format ComputerName\InstanceName.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-SuppressProviderContextWarning [<SwitchParameter>]

Indicates that this cmdlet suppresses the warning that this cmdlet has used in the database context from the current SQLSERVER:\SQL path setting to establish the

database context for the cmdlet.

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.SqlServer.Management.Smo.Database

OUTPUTS

System.Object

NOTES

Example 1: Get information type and sensitivity label recommendations for database using Windows authentication

```
PS C:\> Get-SqlSensitivityRecommendations -ServerInstance "MyComputer\MainInstance" -Database "myDatabase"

Column                          InformationType SensitivityLabel    SensitivityRank
------                          --------------- -----------------    ---------------
Sales.Customers.email               Contact Info    Confidential        Medium
Sales.Customers.first_name          Name            Confidential - GDPR Medium
Sales.Customers.ip_address          Networking      Confidential        Medium
Sales.Customers.last_name           Name            Confidential - GDPR Medium
Sales.Orders.AccountNumber          Financial       Confidential        Medium
Sales.Orders.CreditCardApprovalCode Credit Card     Confidential        Medium
Sales.Orders.CreditCardID           Credit Card     Confidential        Medium
Sales.Orders.CurrencyRateID         Financial       Confidential        Medium
```

Get the recommended information type and sensitivity label for columns in `myDatabase`. The cmdlet will return columns for which the classification algorithm was able

to match the column to an information type. Columns that already have an information type or a sensitivity label are not returned by this cmdlet.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/sqlserver/get-sqlsensitivityrecommendations

SQL Data Discovery and Classification