



Windows PowerShell Get-Help on Cmdlet 'New-AzSqlDatabaseDataMaskingRule'

PS: \>Get-HELP New-AzSqlDatabaseDataMaskingRule -Full

NAME

New-AzSqlDatabaseDataMaskingRule

SYNOPSIS

Creates a data masking rule for a database.

SYNTAX

```
New-AzSqlDatabaseDataMaskingRule [-ResourceGroupName] <System.String> [-ServerName] <System.String>
[-DatabaseName] <System.String> -ColumnName <System.String>

[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
-MaskingFunction {NoMasking | Default | Text | Number |
SocialSecurityNumber | CreditCardNumber | Email} [-NumberFrom <System.Nullable`1[System.Double]>] [-NumberTo
<System.Nullable`1[System.Double]>] [-PassThru]

[-PrefixSize <System.Nullable`1[System.UInt32]>] [-ReplacementString <System.String>] -SchemaName
<System.String> [-SuffixSize <System.Nullable`1[System.UInt32]>]

-TableName <System.String> [-Confirm] [-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The New-AzSqlDatabaseDataMaskingRule cmdlet creates a data masking rule for an Azure SQL database. To use the cmdlet, use the ResourceGroupName , ServerName , and

DatabaseName parameters to identify the rule. Provide the TableName and ColumnName to specify the target of the rule and the MaskingFunction parameter to define how

the data is masked. If MaskingFunction has a value of Number or Text, you can specify the NumberFrom and NumberTo parameters, for number masking, or the PrefixSize ,

ReplacementString , and SuffixSize for text masking. If the command succeeds and the PassThru parameter is used, the cmdlet returns an object describing the data

masking rule properties in addition to the rule identifiers. Rule identifiers include, but are not limited to, ResourceGroupName , ServerName , DatabaseName , and

RuleID . This cmdlet is also supported by the SQL Server Stretch Database service on Azure.

PARAMETERS

-ColumnName <System.String>

Specifies the name of the column targeted by the masking rule.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DatabaseName <System.String>

Specifies the name of the database.

Required? true

Position? 2

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

-MaskingFunction <System.String>

Specifies the masking function that the rule uses. The acceptable values for this parameter are: - Default

- NoMasking

- Text

- Number

- SocialSecurityNumber

- CreditCardNumber

- Email

The default value is Default.

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

-NumberFrom <System.Nullable`1[System.Double]>

Specifies the lower bound number of the interval from which a random value is selected. Specify this parameter only if

you specify a value of Number for the

MaskingFunction parameter. The default value is 0.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-NumberTo <System.Nullable`1[System.Double]>

Specifies the upper bound number of the interval from which a random value is selected. Specify this parameter only if

you specify a value of Number for the

MaskingFunction parameter. The default value is 0.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

Returns an object representing the item with which you are working. By default, this cmdlet does not generate any output.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-PrefixSize <System.Nullable`1[System.UInt32]>

Specifies the number of characters at the start of the text that are not masked. Specify this parameter only if you specify a value of Text for the

MaskingFunction parameter. The default value is 0.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ReplacementString <System.String>

Specifies the number of characters in the end of the text that are not masked. Specify this parameter only if you specify a value of Text for the MaskingFunction parameter. The default value is an empty string.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of the resource group to which the database is assigned.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SchemaName <System.String>

Specifies the name of a schema.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ServerName <System.String>

Specifies the name of the server that hosts the database.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-SuffixSize <System.Nullable`1[System.UInt32]>

Specifies the number of characters at the end of the text that are not masked. Specify this parameter only if you specify a value of Text for the MaskingFunction parameter. The default value is 0.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TableName <System.String>

Specifies the name of the database table that contains the masked column.

Required? true

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.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 <System.Management.Automation.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.String

System.Nullable`1[[System.UInt32, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

PublicKeyToken=7cec85d7bea7798e]]

OUTPUTS

Microsoft.Azure.Commands.Sql.DataMasking.Model.DatabaseDataMaskingRuleModel

NOTES

Example 1: Create a data masking rule for a number column in a database

```
New-AzSqlDatabaseDataMaskingRule -ResourceGroupName "ResourceGroup01" -ServerName "Server01"
-DatabaseName "Database01" -SchemaName "Schema01" -TableName "Table01"
-ColumnName "Column01" -MaskingFunction "Number" -NumberFrom 5 -NumberTo 14
```

This command creates a data masking rule for the column named Column01 in the table named Table01 in the schema named Schema01. The database named Database01 contains

all these items. The rule is a number masking rule that uses a random number between 5 and 14 as the mask value.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.sql/new-azsql databasedatamaskingrule>

Get-AzSqlDatabaseDataMaskingRule

Remove-AzSqlDatabaseDataMaskingRule

Set-AzSqlDatabaseDataMaskingRule

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

