



Windows PowerShell Get-Help on Cmdlet 'Set-AzSqlServerTransparentDataEncryptionProtector'

PS:\>Get-HELP Set-AzSqlServerTransparentDataEncryptionProtector -Full

NAME

Set-AzSqlServerTransparentDataEncryptionProtector

SYNOPSIS

Sets the Transparent Data Encryption (TDE) protector for a SQL server.

SYNTAX

```
Set-AzSqlServerTransparentDataEncryptionProtector [-ResourceGroupName] <System.String> [-ServerName]
<System.String> [-Type] {AzureKeyVault | ServiceManaged}
[[-KeyId] <System.String>] [-AsJob] [-AutoRotationEnabled <System.Nullable`1[System.Boolean]>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Force] [-Confirm]
[-WhatIf] [<CommonParameters>]
```

DESCRIPTION

The Set-AzSqlServerTransparentDataEncryptionProtector cmdlet sets the TDE protector for a SQL server. Changing the TDE protector type will rotate the protector.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-AutoRotationEnabled <System.Nullable`1[System.Boolean]>

The key auto rotation opt-in status.

Required? false

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

-Force <System.Management.Automation.SwitchParameter>

Skip confirmation message for performing the action

Required? false

Position? named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-KeyId <System.String>

The Azure Key Vault KeyId.

Required? false
Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ResourceGroupName <System.String>

The name of the resource group

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-ServerName <System.String>

The Azure Sql Server name.

Required? true
Position? 1
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Type <Microsoft.Azure.Commands.Sql.TransparentDataEncryption.Model.EncryptionProtectorType>

The Azure Sql Database TDE protector type.

Required? true
Position? 2
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

OUTPUTS

Microsoft.Azure.Commands.Sql.TransparentDataEncryption.Model.AzureSqlServerTransparentDataEncryptionProtectorModel

NOTES

Example 1: Set the Transparent Data Encryption (TDE) protector type to ServiceManaged

```
Set-AzSqlServerTransparentDataEncryptionProtector -Type ServiceManaged -ServerName 'ContosoServer'
-ResourceGroupName 'ContosoResourceGroup'
```

ResourceGroupName	ServerName	Type	ServerKeyVaultKeyName
ContosoResourceGroup	ContosoServer	ServiceManaged	ServiceManaged

This command updates a server's TDE protector type to Service Managed.

Example 2: Set the Transparent Data Encryption protector type to Azure Key Vault

```
'https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901'
```

```
-ServerName 'ContosoServer' -ResourceGroupName 'ContosoResourceGroup'
```

```
ResourceGroupName  ServerName          Type ServerKeyVaultKeyName
```

```
-----
```

```
ContosoResourceGroup  ContosoServer
```

```
AzureKeyVault
```

```
contoso_contosokey_01234567890123456789012345678901
```

This command updates a server to use the Server Key Vault Key with Id

'https://contoso.vault.azure.net/keys/contosokey/01234567890123456789012345678901' as the TDE

protector.

----- Example 3 -----

```
Set-AzSqlServerTransparentDataEncryptionProtector -AutoRotationEnabled $false -KeyId
```

```
'https://contoso.vault.azure.net/keys/contosokey/00000000000000000000000000000000' -ResourceGroupName
```

```
'ContosoResourceGroup' -ServerName 'ContosoServer' -Type
```

```
AzureKeyVault
```

RELATED LINKS

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

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