

Restore Database To SQL Managed Instance

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In this post we will see how we can easily restore database in Azure SQL ManagedInstance. There are two ways to do this, using T-SQL and Powershell.

Using Powershell

Before executing the following Powershell Script to restore the database we must be sure for the following prerequisites:

- Powershell command line Shell
- SqlServer Powershell module
- SQL Managed Instance
- Azure Storage Account

Install Or Update SqlServer PS module

To install the SqlServer module execute the following command:

```
#Install The SqlServer module if not installed
Install-Module -Name SqlServer

#Alternatively Use The "-AllowClobber" parameter if previous version of the
SqlServer module is already installed
Install-Module -Name SqlServer -AllowClobber

#Update The SqlServer module if already installed
Update-Module -Name SqlServer

#Type the Managed instance admin login
$Username = "#####"

#Type the Managed instance admin password
$Password = '#####'

#Type the Full Managed instance name
$ManagedInstance = "#####.9ab5d2b08bb9.database.windows.net"

#Leave this parameter as is
$Database = "master"

#Before execute the Invoke-Sqlcmd, type the address with the full database backup
path

Invoke-Sqlcmd -ServerInstance $ManagedInstance -Database `
$Database -Username `
$Username -Password $Password `
-Query "RESTORE DATABASE [mydb] FROM URL =
'https://#####.blob.core.windows.net/files/databases/mydb.bak'"
```

Using T-SQL

Before executing the following T-SQL Script to restore the database we must be sure for the following prerequisites:

- SSMS (SQL Server Management Studio)
- SQL Managed Instance
- Azure Storage Account

```
CREATE CREDENTIAL [https://#####.blob.core.windows.net/databases]
WITH IDENTITY = 'SHARED ACCESS SIGNATURE'
, SECRET = 'sv=2018-03-28&ss=bfqt&srt=sco&sp=rwdlacup&se=2019-01-
31T20:41:49Z&st=2019-01-
01T12:41:49Z&spr=https&sig=#####'
```

```
RESTORE DATABASE [Chinook] FROM URL =
'https://#####.blob.core.windows.net/databases/mydb.bak'
```