

The purpose of the **SQL Server** sample scripts is to demonstrate the scripting capabilities of PowerShell for performing DBA tasks against SQL Server.

Important:

Samples are provided for educational purposes only. They are not intended to be used in a production environment and have not been tested in a production environment. Idera does not provide technical support for these samples. Sample applications should not be connected to or used with your production environment without the permission of the SQL Server administrator.

Scenario

The sample scripts demonstrate various techniques for gathering and managing SQL Server objects using PowerShell. The scripts can work against a local or remote SQL Server (See Prerequisites for more information).

Each script is designed to be loaded and run using parameters against a SQL Server instance. Please load each script into a compatible PowerShell editor, such as PowerShellPlus Professional Edition, and review before running. After running each script, use the PowerShell Integrated Console to supply inputs for the script and review the results.

Tip:

In PowerShellPlus, the Integrated Console can be opened for viewing while editing a script or you can click on the Console tab in the Code Editor.

Languages

PowerShell – recommended version is v5.0 or higher (For Azure SQL Database scripts v5.0 is required).

Prerequisites

Before running this sample, make sure the following software is installed all on the same computer:

- SQL Server 2008, 2012, 2014, 2016 and 2017
- PowerShell
- SQLPS (see Initialize-ISqlPSxxxx scripts)
- AzureRM module (see Initialize-IAzureRM script in the AzureSQLDB folder)

What's New in v6 of these scripts

Azure SQL Database automation scripts. To learn more about using PowerShell for Azure SQL Database, see this Quick Start – Create a single Azure SQL database using PowerShell

(<https://docs.microsoft.com/en-us/azure/sql-database/sql-database-get-started-powershell>) and an Overview of Azure PowerShell (<https://docs.microsoft.com/en-us/powershell/azure/overview?view=azurermps-6.3.0>).

Running the Samples

The following procedure shows how to run the samples in PowerShellPlus.

1. From PowerShellPlus Script Editor, open **any sample** script.
2. Select the Execution tab and Click **Run**.