

# Intro to Powershell for SQL Server

By

**Sarabpreet Singh**  
MCTS, MCITP:Admin, MCT

# Speaker Details

- **7 Years of enriched experience**
- **Got MCTS, MCITP: Admin, MCT certification**
- **Vice President SQLServerGeeks.com**
- **Conducted more than 25 SQL Server Boot camp Trainings across India.**
- **Expert in handling VLDBs & Disaster Management.**

# Agenda

- **What is Powershell?**
- **Some basic Cmdlets**
- **ABC of PS**
- **PS with SQL Server**
- **Connect to SQL Server using PS**
- **Read SQL data using PS**
- **Create database using PS**

# Powershell

- Powershell (PS) is a command line interface shell and scripting language.
- Built on top of Dot Net framework 2.0
- Works over Managed APIs (i.e., SMO)
- Its very Powerful and almost endless.

# cmdlet

- Cmdlet – Pronounced as Command-Let
- Standard Naming Convention → Verb-Noun pattern
  - Get-help
  - Get-process
  - Get-eventlog
- Can be aliased

# ABC of powershell

**PS has all building blocks of a scripting language like:**

**In-Built Help**

**Variables**

**Arrays**

**Functions**

**Loops**

**Pipes**

**Filter**

**Customization**

**etc.**

# PS in SQL Server

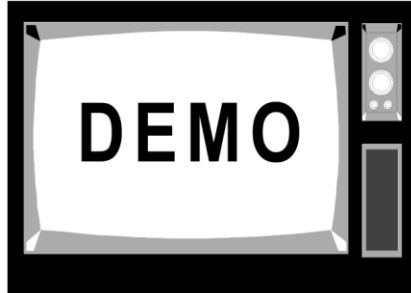
**What is SQLPS?**

**Invoke-sqlcmd?**

**You can browse SQL data and system Databases in PS**

**Helps in formatting SQL data and export SQL data in Text file**

# Demo: Powershell



## Powershell scripting

1. Variables
2. Loops
3. User Input
4. Browsing drives
5. Browsing SQL Databases
6. Exporting SQL Data
7. Creating Database using PS
8. And much more....



**Powershell is very powerful and is a must to learn for all ITPros\Admins.**

# Q&A

Thank you 😊

for suggestions, please email at [Admin@SQLServerGeeks.com](mailto:Admin@SQLServerGeeks.com)

Twitter: @Sarab\_SQLGeek

Email ID: [sarab@SQLServerGeeks.com](mailto:sarab@SQLServerGeeks.com)  
[GodSlave.Preet@Gmail.com](mailto:GodSlave.Preet@Gmail.com)