Powershell

DBATOOLS, DBACHECKS AND POWERSHELL DSC

Scott Miller – MCP, Security+

- IT professional since 1998

- Certifications:
  - MCSE Windows NT (1998)
  - MCSA Windows 2003 (2008)
  - Security+ 2008 (2008)
  - MCP - Querying Microsoft SQL Server 2012/2014 (2015)

- OS/DBA Team Lead – Managed Services/SaaS

- Automation Engineer – Domino's Pizza
  - Managing 11k+ Windows Servers, 5k+ VMs w/SQL 2008

EXPRESS

GITHUB LINK

- Demo code
- Presentation
- More links

Agenda

- What is PowerShell?
- DBATools
- DBAChecks
- Desired State Configuration
- DEMOS!

What is PowerShell?

- **PowerShell** is a task automation and configuration management framework from Microsoft, consisting of a command-line shell and associated scripting language.

- Wikipedia

DBATOOLS

- Open source tool for managing SQL Servers

- Over 500 cmdlets

- Requires PowerShell 3.0+

- Install-Module -Name DBAtools -Scope CurrentUser

https://dbatools.io

DBACHECKS

- **dbachecks** is an open source framework created by and for SQL Server pros who need to validate their environments.

https://dbachecks.io

Pester

- **Pester** is the ubiquitous test and mock framework for PowerShell.

https://github.com/pester/Pester

DESIRED STATE CONFIGURATION

- **DSC** is a management platform in PowerShell that enables you to manage your IT and development infrastructure with configuration as code.

- https://docs.microsoft.com/en-us/powershell/dsc/overview/overview

- DSC consumes MOF files and then applies the configuration ("Make it so")

- https://docs.microsoft.com/en-us/windows/desktop/wmisdk/managed-object-format--mof-
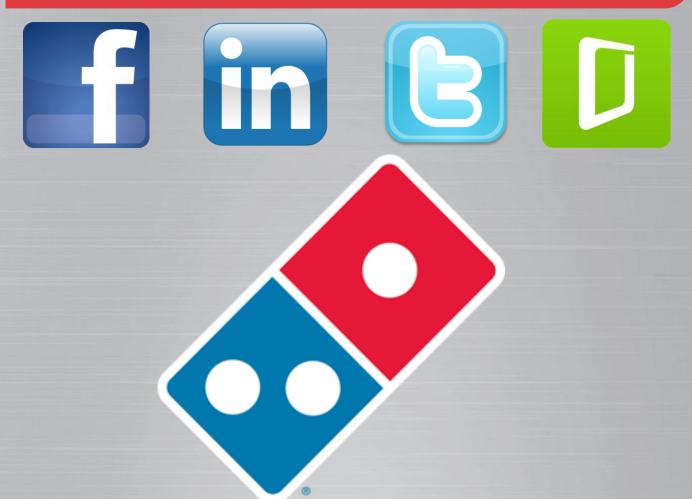
DEMO TIME!

CAREER OPPORTUNITIES

JOBS.DOMINOS.COM

Domino's is hiring!

Data Platform Operations Manager

Overview

The Data Platform Operations Manager is responsible for leading operations and optimization of Domino's data platform. This individual will manage data platform architecture and engineering team in the design, installation, configuration, upgrade, maintenance and overall management of capacity, performance of databases in the Domino's hosting environment. This position will be engaged, accountable and drive delivery execution while collaborating with various stakeholders (Business users, Project Managers, Operations Team, Converged Infrastructure Team, Network Team and Information Security team). Predominant technology stacks this individual will be responsible is SQL Server and Hadoop technologies.

THANK YOU!

Scott Miller

Twitter:

@poshscooter

Email:

poshscooter@outlook.com

Github:

https://github.com/poshscooter