
POWERSHELL TIPS AND TRICKS FOR SQL SERVER DBAS



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SQL Server®

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Data Platform



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Get-Agenda

Using the Powershell Pipeline

Leveraging Powershell in SQL Agent Jobs

Things you can do with the SQLPS provider

Powershell functions and the profile

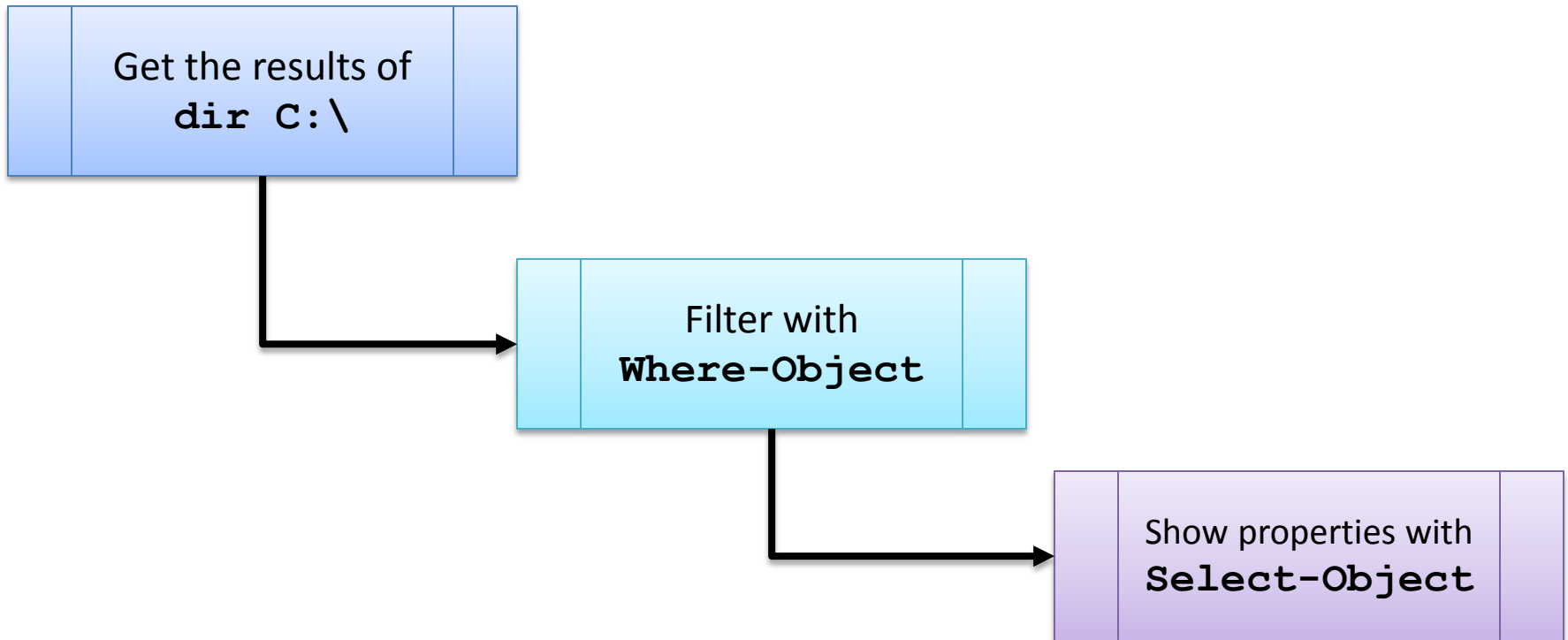
Powershell modules, writing and using them

Pipeline



How does it work?

```
dir C:\ | Where-Object {$_.PsIsContainer -eq $true} |  
Select-Object name
```



Practical Use

Powershell in SQL Agent Jobs



**Use SQL Agent to manage jobs
Easily integrate Powershell with your tasks**

Practical Use

Using the SQLPS Provider



Practical Use

Re-using your code



Code Re-use: Functions

You can package code into functions

```
function Function-Name{ }
```

Functions can be parameterized like scripts

They can also be called within a script

```
Get-Help about_Functions
```

Different Profiles, Different Reasons

- For you in the current host
- For you in all hosts
- For everyone in the current host
- For everyone in all hosts

`$Profile + $PSHome`

Get-Help about_Profiles

Practical Use

Modular Construction



Code Re-use: Module

Contains functions

No special syntax, just save as a .psm1

Install to either:

C:\Users\<<user>\Documents\WindowsPowerShell

C:\Program Files\WindowsPowerShell

Get-Help about_Modules

Resources

- [Powershell In A Month of Lunches](#)
- [GitHub Repository](#) (<https://github.com/MikeFal/PowerShell>)
- Bloggers
 - [Ben Miller](#)
(<http://www.dbaduck.com/>)
 - [Allen White](#)
(http://sqlblog.com/blogs/allen_white/)
 - [Kendal Van Dyke](#)
(<http://www.kendalvandyke.com/>)
 - [Laerte Junior](#)
(<https://www.simple-talk.com/author/laerte-junior/>)

Questions

HUH?

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