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PowerShell para DBAs SQL Server

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[SQLCrespi](https://github.com/SQLCrespi)







PS SQLSERVER:\> _

Get-Schedule

- Básico e Rápido;
- Provider e Drive;
- Conexão Remota;
- Agendamento;



Básico e Rápido

- .NET Framework;
- WMF;

The screenshot shows a web browser window with the URL `docs.microsoft.com/en-us/powershell/wmf/5.1/release-notes`. The Microsoft logo and navigation menu are visible at the top. The main content area features a sidebar on the left with a search filter and a list of navigation items. The main article title is "Windows Management Framework (WMF) 5.1 Release Notes", dated 8/4/2017, with a 1-minute read time and several contributors. The article text states that WMF 5.1 includes PowerShell, WMI, WinRM, and Software Inventory Logging (SIL) components, and provides improvements over WMF 5.0 RTM.

← → ↻ | 🔒 docs.microsoft.com/en-us/powershell/wmf/5.1/release-notes

Microsoft Technologies Documentation Resources

Docs Windows Microsoft Azure Visual Studio Office More

Filter

Windows Management Framework (WMF) Overview

▼ WMF 5.1

- > New Scenarios and Features
- Install and Configure
- Known Issues

Windows Management Framework (WMF) 5.1 Release Notes

8/4/2017 • 1 min to read • Contributors all

WMF 5.1 includes the PowerShell, WMI, WinRM, and Software Inventory Logging (SIL) components that were released with Windows Server 2016. WMF 5.1 can be installed on Windows 7, Windows 8.1, Windows Server 2008 R2, 2012, and 2012 R2, and provides a number of improvements over WMF 5.0 RTM including:

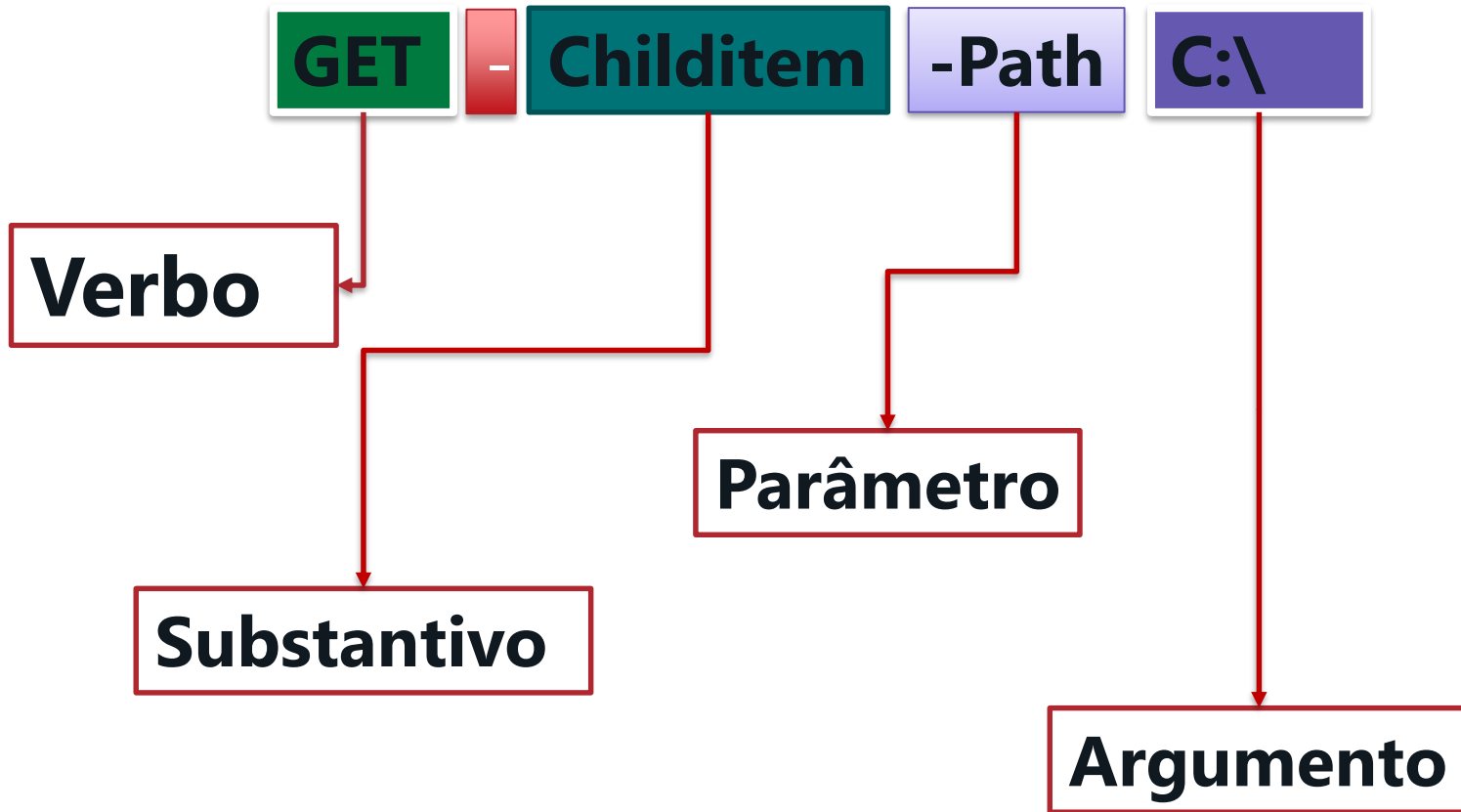


Usando PS

- Linha de comando ad hoc;
- Scripts (.ps1);
- Interfaces de Dev;



Command-Lets (CMDLET)



PipeLine

```
PS C:\> Get-ChildItem c:\ | Format-Table name, Length
```

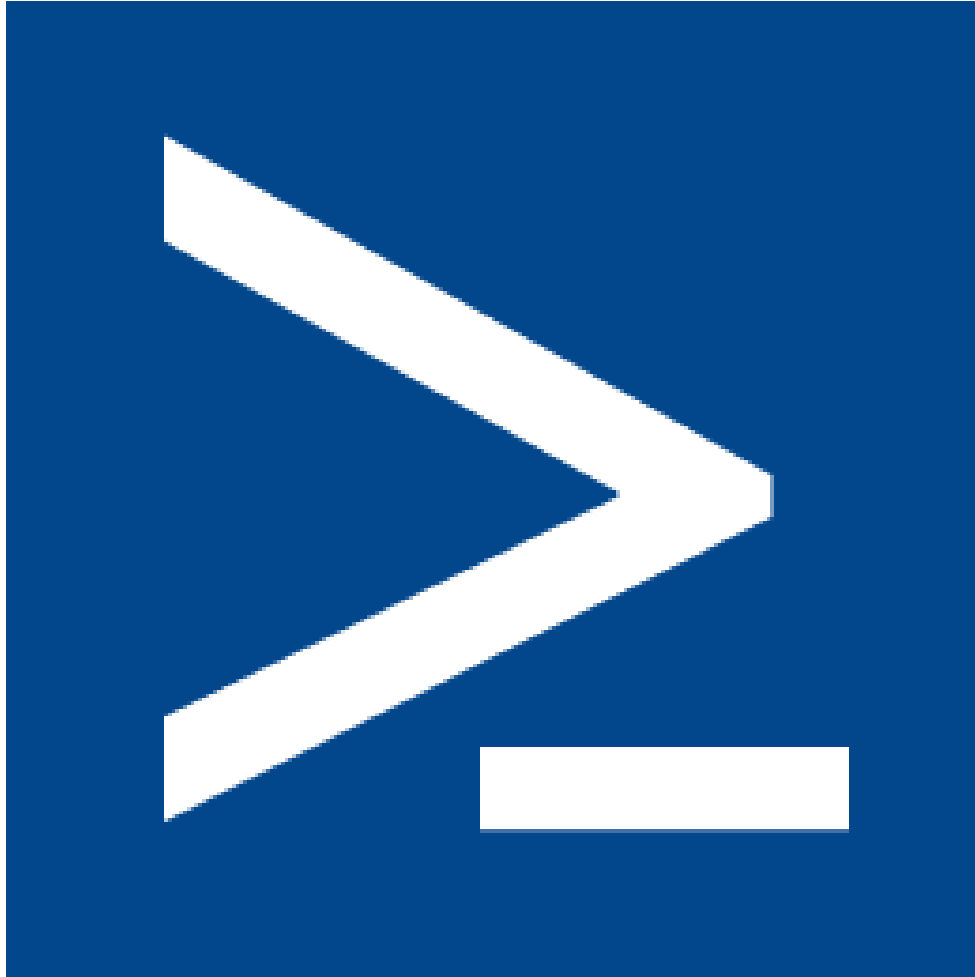
Name	Length
doc	
HP_Color_LaserJet_Pro_MFP_M277	
Intel	
PerfLogs	
PERU	
Program Files	
Program Files (x86)	
Projetos	
psql	
Recovery	
scripts	
share	
sqlsat616	
SymCache	
temp	
Users	
vm	
windows	
x	
queriedisco.rpt	4797
teste	34014

Integração com SQL Server

- (.net framework);
- Módulos;
 - SQLPS;
 - Outros da comunidade;



Get-Demo Módulo, SQLPS –full



Provider e Drive

```
PS C:\> Get-PSProvider | Select-Object name, drives | Format-Table -AutoSize
```

Name	Drives
Registry	{HKLM, HKCU}
Alias	{Alias}
Environment	{Env}
FileSystem	{C, D, E}
Function	{Function}
Variable	{Variable}

```
PS C:\> Get-PSDrive | Select-Object name, Provider | ft -AutoSize
```

Name	Provider
Alias	Microsoft.PowerShell.Core\Alias
C	Microsoft.PowerShell.Core\FileSystem
Cert	Microsoft.PowerShell.Security\Certificate
D	Microsoft.PowerShell.Core\FileSystem
E	Microsoft.PowerShell.Core\FileSystem
Env	Microsoft.PowerShell.Core\Environment
Function	Microsoft.PowerShell.Core\Function
HKCU	Microsoft.PowerShell.Core\Registry
HKLM	Microsoft.PowerShell.Core\Registry
Variable	Microsoft.PowerShell.Core\Variable
WSMan	Microsoft.WSMan.Management\WSMan

Get-Demo Provider, Drive



IDE

- ISE



- VSCode



- Visual Studio

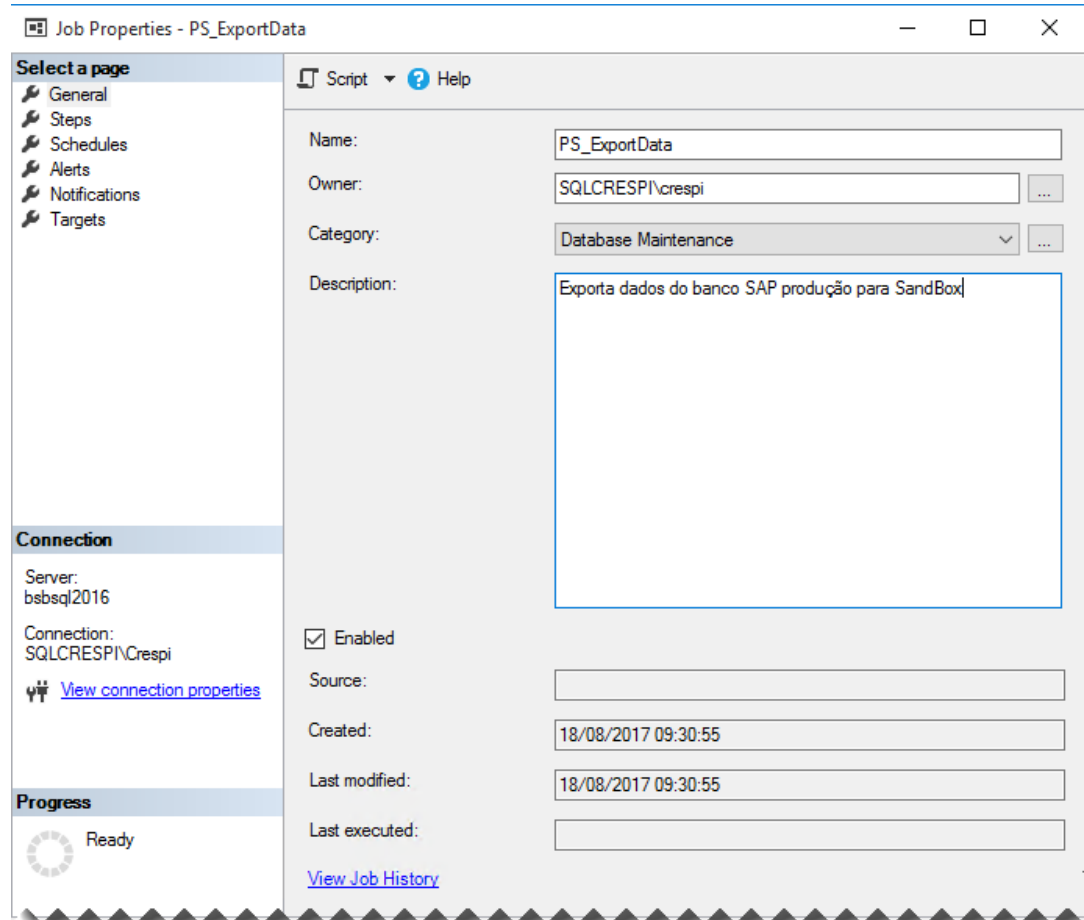


Conexão Remota



SQLAgent & PS

Agendamento



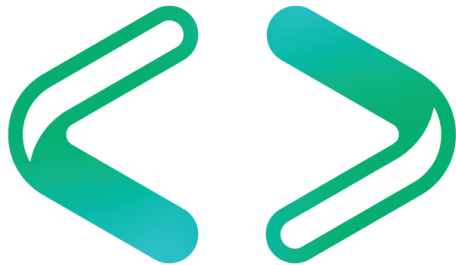
GET-DEMO IDE, Conexão, Agendamento





Dúvidas?

Próximos eventos



SQLSATURDAY

 PASS

- RIO DE JANEIRO #663 | OUT 21
- SALVADOR #677 | NOV 18

Saiba mais em: <http://sqlsaturday.com/>



Obrigado!

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*PASS

SQLSATURDAY

SÃO PAULO | 30 SEP 2017