



How to manage a PostgreSQL Server with PowerShell



postgres=> \echo 'SQLCrespi'

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[SQLCrespi](https://www.youtube.com/channel/UC...)



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





Pq Powershell?

- ◇ Utiliza o .NET Core;
- ◇ Mult-Plataforma;
- ◇ POO;



Featured Server Snaps

These are popular snaps in server environments. Select or deselect with SPACE, press ENTER to see more details of the package, publisher and versions available.

microk8s	canonical	Kubernetes for workstations and appliances
nextcloud	nextcloud	Nextcloud Server - A safe home for all your data
wekan	xet7	Open-Source Kanban
kata-containers	katacontainers	Lightweight virtual machines that seamlessly plug into the containers
docker	canonical	Docker container runtime
canonical-livepatch	canonical	Canonical Livepatch Client
rocketchat-server	rocketchat	Group chat server for 100s, installed in seconds.
mosquitto	ralight	Eclipse Mosquitto MQTT broker
etcd	tyansteenburgh	Resilient key-value store by CoreOS
* powershell	microsoft-powershell	PowerShell for every system!
crossing	ching-hornet-keels	Attest to ready, stress test and benchmark a computer system
sabnzbd	safilhre	SABnzbd
wormhole	snapcrafters	get things from one computer to another, safely
aws-cli	aws	Universal Command Line Interface for Amazon Web Services
google-cloud-sdk	google-cloud-sdk	Command-line interface for Google Cloud Platform products and services
slcli	softlayer	Python based SoftLayer API Tool.
doctl	digitalocean	DigitalOcean command line tool
conjure-up	canonical	Package runtime for conjure-up spells
minidns-secconf	secconf	Configure software with the aim of being fully compliant with DIN 64420/ISO 27001
* postgresql10	cmd	PostgreSQL is a powerful, open source object-relational database system
heroku	heroku	CLI client for Heroku
keepalived	sabdf1	High availability VRRP and load-balancing for Linux
prometheus	canonical-is-snaps	The Prometheus monitoring system and time series database
juju	canonical	juju client

[Done]
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“PowerShell for Every System!” – Instalação do Ubuntu 18.4 LTS

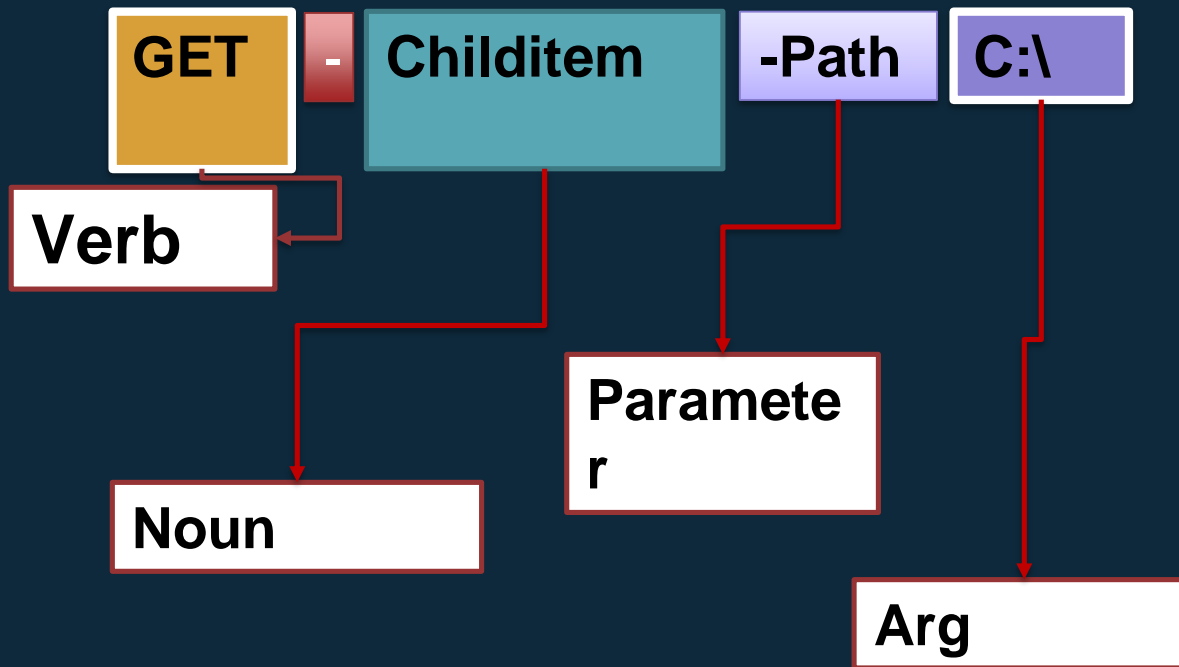


Basics for PowerShell

- ◇ cmdlets;
- ◇ .net framework;
- ◇ modular;



Command-Lets (CMDLET)



PipeLine

```
sqlcrespi@CDB-Rodrigo: /bin
sqlcrespi@CDB-Rodrigo:/bin$ pwsh
PowerShell 6.2.0
Copyright (c) Microsoft Corporation. All rights reserved.

https://aka.ms/pscore6-docs
Type 'help' to get help.

PS /bin> Get-ChildItem | Select-Object name, length

Name                               Length
----                               -
bash                                1113504
btrfs                                716464
btrfs-debug-tree                    375952
btrfs-find-root                     371856
btrfs-image                          396432
btrfs-map-logical                   375952
btrfs-select-super                  371856
btrfs-zero-log                      371856
btrfsck                              5
btrfstune                           375952
bunzip2                              34888
busybox                             2062296
bzip2                                34888
bzip3                                6
bzip64                              2140
bzegrep                              6
bzexe                                4877
```

Provider and 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 Módulo, PostgreSQL -full



PostgreSQL



Básico

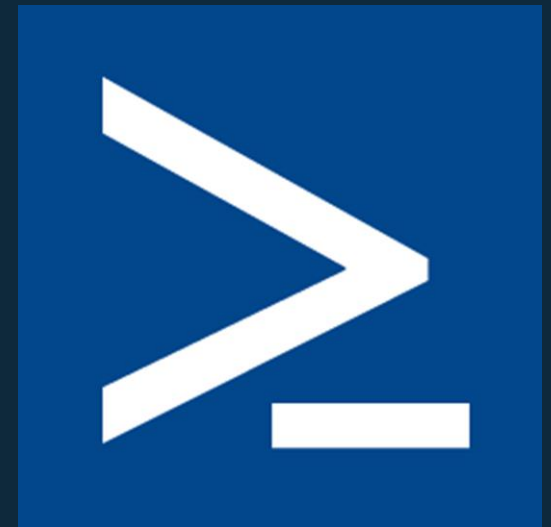
Export / Import

GridView

Vaccun

Get-Demo Módulo, PostgreSQL -full

How to work with PowerShell



Obrigado!



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