Diving Deeper into PowerShell

Matt Elliott – Developer Advocate

Mike Preston – Developer Advocate



Jaro Brasser

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Works Dev Advocate @ Rubrik

Does Blogger, Speaker Ton Enthusiast

Likes Cloud Autor Luon & Quokkas



Get Well Soon, Jaap!



Matt Elliott

Tweets NetworkBrouhaha

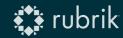
Codes Shamsway

Works Developer Advocate @ Rubrik

Does Coding, Learning, Parenting

Likes **Tech, Getting Outdoors, Live Music**





Mike Preston

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Works Developer Advocate @ Rubrik

Coding, Writing, Talking Does

Maple Syrup and Hockey Likes





Agenda

What is PowerShell

PowerShell Security

PowerShell in the Cloud

Q&A

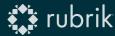


What is PowerShell



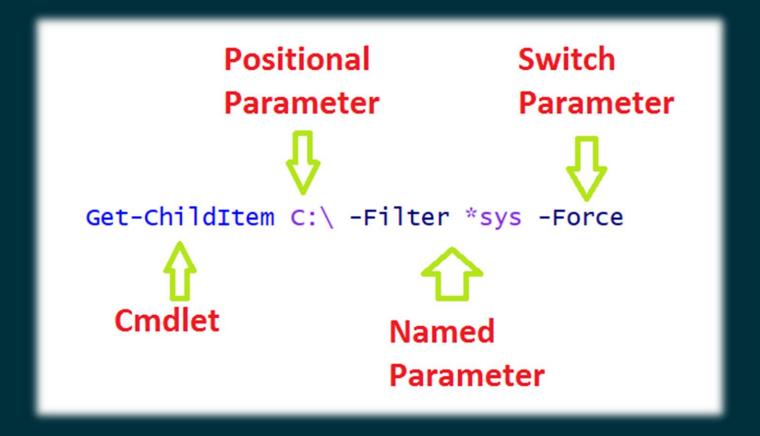
What is PowerShell

- Microsoft Automation Language
- Available on Windows by default
- Shell
- Open Source
- Cross Platform





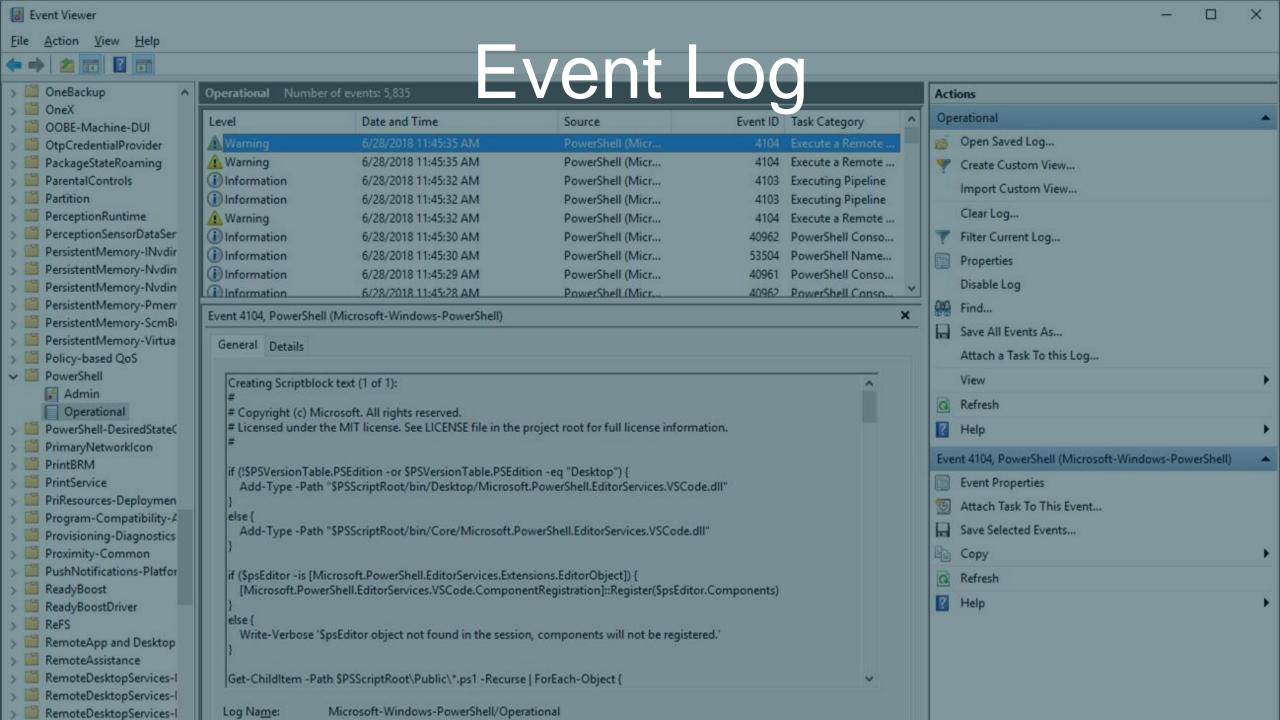
PowerShell Language

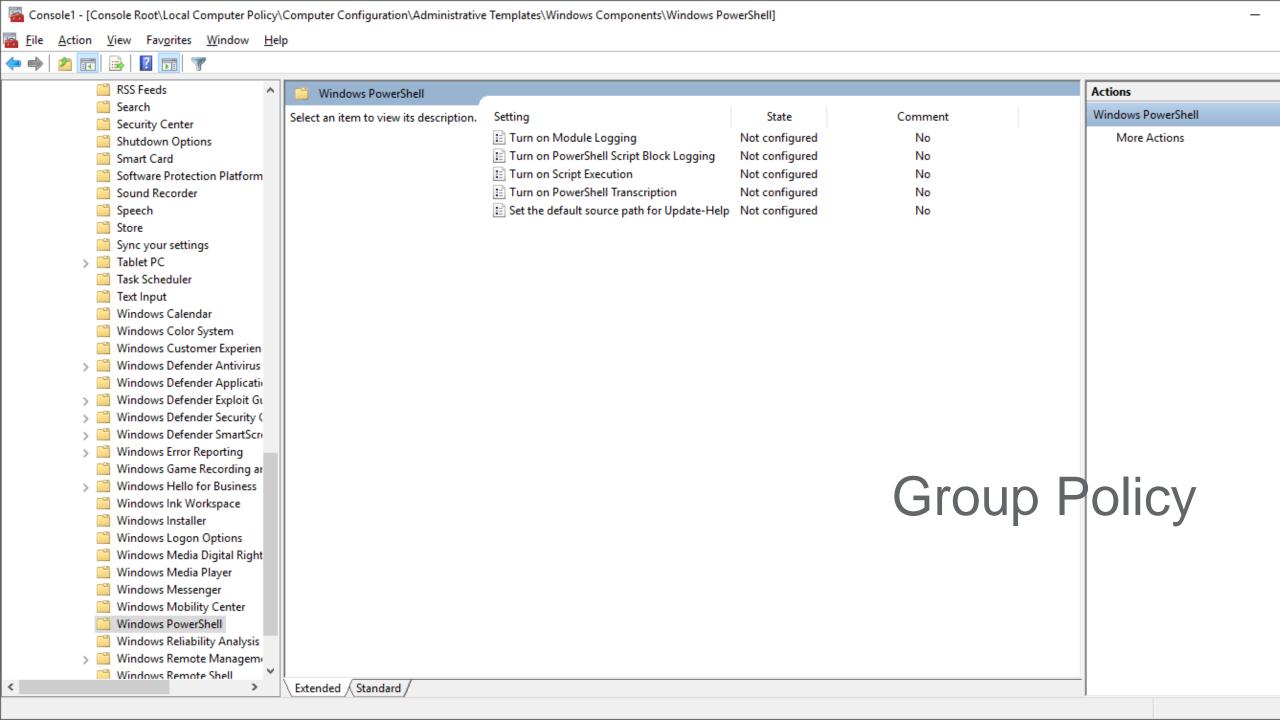




PowerShell Security







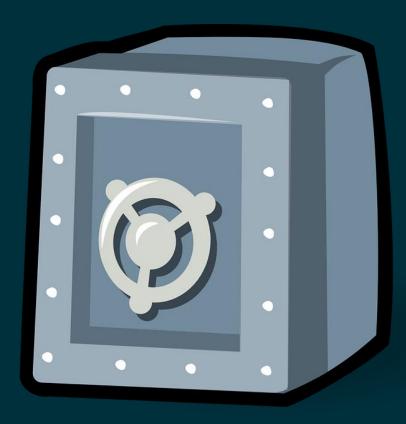
Just Enough Administration (JEA)



Secrets Management

Export-CliXml

- Encrypt credential objects
- Store within files on the local filesystem
- Accessible to specific user on specific computer
- Windows specific (Data Protection API)
- Dev release of SecretsManagement Module
 - Create and store secrets in vaults
 - Default Built-In Vault included
 - Store string, bytes, credentials, hashtables, etc.





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PowerShell in the Cloud



PowerShell Gallery

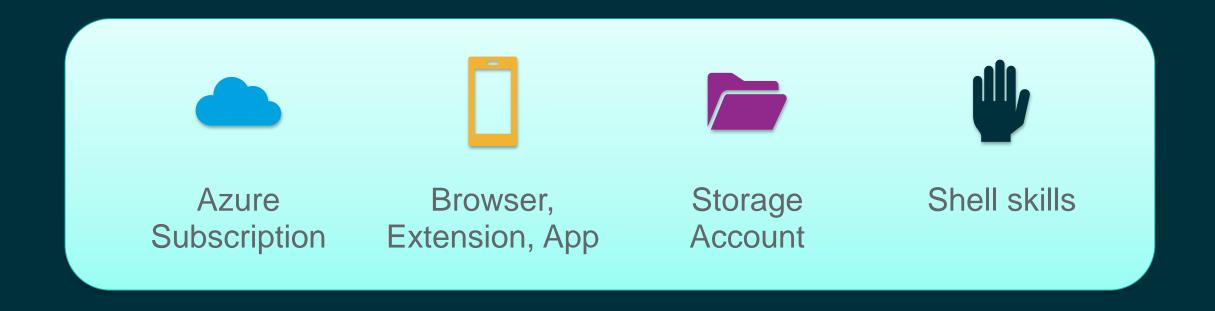


- Install Modules from PowerShell
- Curated and Secured
- Best-practices enforced

Cloud Shell



Requirements



Browser Support



CloudDrive in Cloud Shell

Command

clouddrive mount

:Mount an Azure file share to Cloud Shell.

Mount enables mounting and associating an Azure file share to Cloud Sh Cloud Shell will automatically attach this file share on each session

Cloud Shell persists files with both methods below:

- 1. Create a disk image of your \$HOME directory to persist files within This disk image is saved in your specified file share as 'acc_jcjbrass'//<storageaccount>.file.storage.windows.net/<fileshare>/.cloudconsole
 2. Mount specified file share as 'clouddrive' in \$HOME for file sharing
- 2. Mount specified file share as 'clouddrive' in \$HOME for file sharing
 '/home/jcjbrasser/clouddrive' maps to '//<storageaccount>.file.storage

Arguments

```
[Required]:Subscription ID or name.

-g | --resource-group group [Required]:Resource group name.

-n | --storage-account name [Required]:Storage account name.

-f | --file-share name [Required]:File share name.

-d | --disk-size size :Disk size in GB. (default 5)

-F | --force :Skip warning prompts.

-? | -h | --help :Shows this usage text.
```

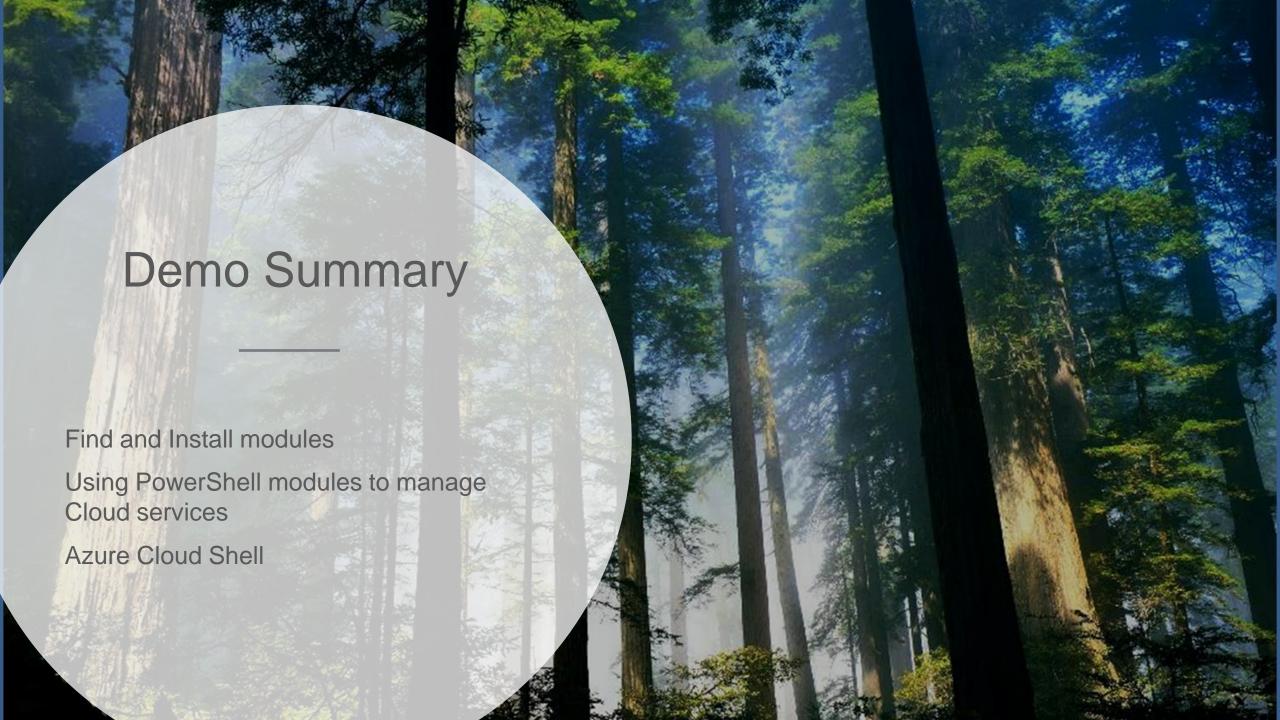
Cloud Shell machines exist in the following regions:	
Area	Region
Americas	East US, South Central US, West US
Europe	North Europe, West Europe
Asia Pacific	India Central, Southeast Asia



OPERATOR CLASSES ---

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Build the Future of Cloud Data Management



Software **Development Kits**





PowerShell >

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Python >



Tooling Integrations

Ansible >



VMware vRealize >



Monitor Rubrik with Splunk >

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Use Cases



Roxie, Rubrik's Intelligent Personal As... >



Backup Validation with PowerShell >



Provision and Protect with vRealize >

VIEW ALL USE CASES

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Q&A - Discussion

