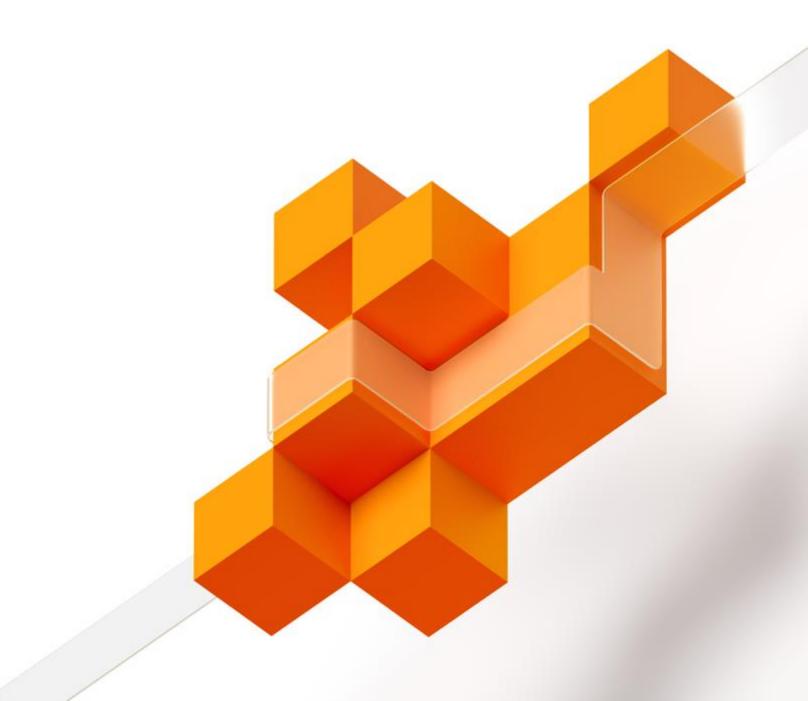


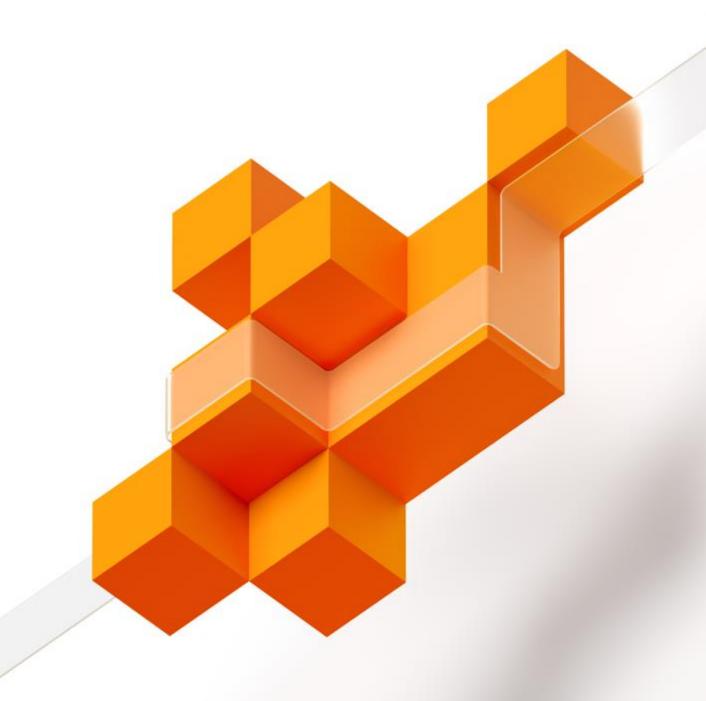
Microsoft Ignite





Building a PowerShell module with Azure Automation

Jaap Brasser | Developer Advocate







Jaap Brasser

Tweets jaap_brasser

Works Dev Advocate @ Rubrik

Does Blogger, Speaker

Likes Cloud Automation & Quokkas





Agenda

PowerShell Module Development

Module Development Considerations

Introduction to Azure Automation

Demo

PowerShell Module Development





Source Control





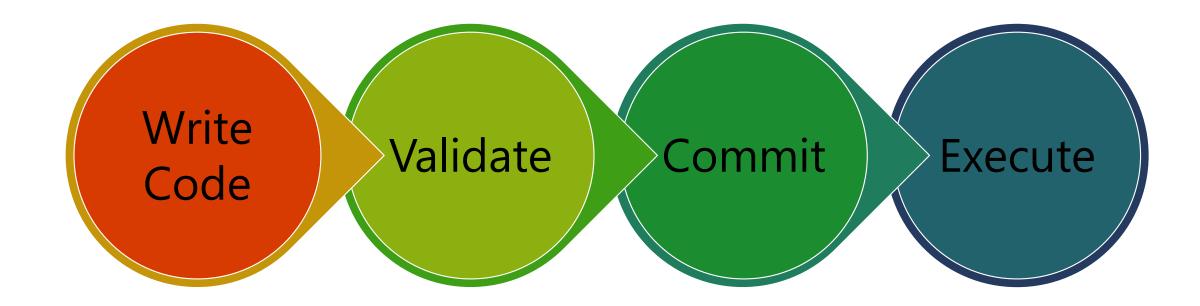
Use Source Control

Collaborate with others

Version Control

Share your scripts

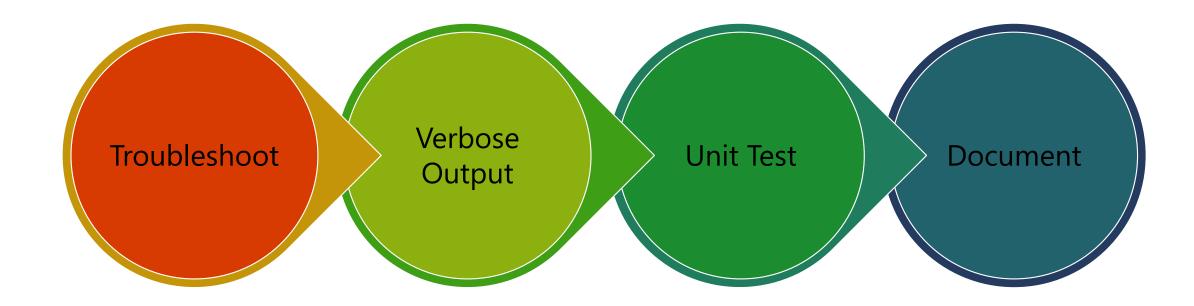
Code Validation



Module Development Considerations



Module Design



Demo



Introduction into Azure Automation



Azure Automation



Process Automation

Orchestrate processes using graphical, PowerShell, and Python runbooks



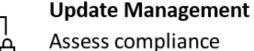
Configuration Management

Collect inventory
Track changes
Configure desired state



Shared capabilities

Role based access control
Secure, global store for variables,
credentials, certificates, connections
Flexible scheduling
Shared modules
Source control support
Auditing
Tags



Schedule update installation



Heterogenous

Windows & Linux
Azure and on-premises



Azure Automation Summary

Cross Platform

Config Mgmt

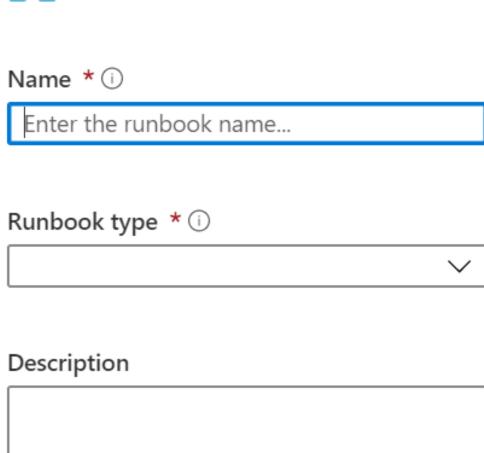
External Modules

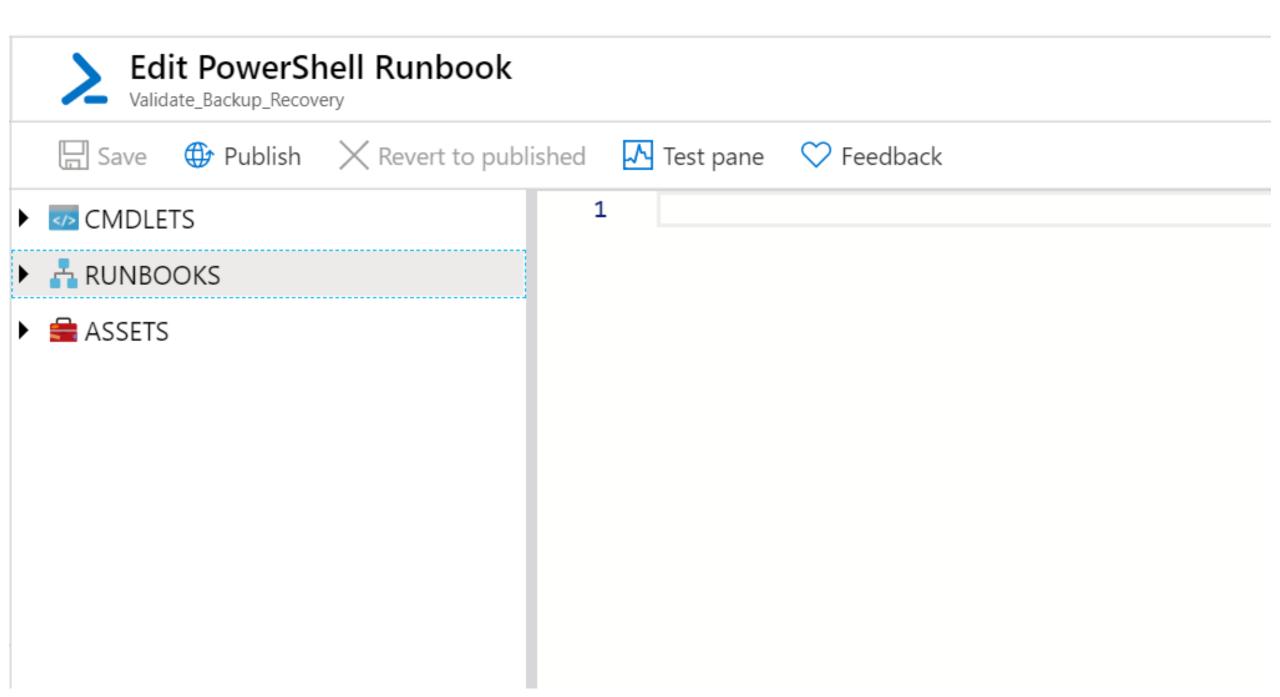
Hybrid Runbook Worker

Demo











- Modules

 ${\sf Computer Management Dsc}$

Automation Account

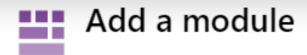
Automation Account			
Search (Ctrl+/)	«		
Jobs	•		
Runbooks gallery			
Hybrid worker groups			
Watcher tasks			
Shared Resources			
Schedules			
Modules			
Modules gallery			
Python 2 packages			
Credentials			
Connections			
	Search (Ctrl+/) Jobs Runbooks gallery Hybrid worker groups Watcher tasks ared Resources Schedules Modules Modules Modules gallery Python 2 packages Credentials		

+ Add a module 🗘 Update Azure	e modules 🔀 Learn about module	updates 🖺 Browse gallery 💍 F	Refresh
Search modules			
Name	Last modified	Status	Version
AuditPolicyDsc	10/1/2019, 4:53 PM	Available	1.1.0.0
Azure	10/1/2019, 4:45 PM	Available	1.0.3
Azure.Storage	10/1/2019, 4:50 PM	Available	1.0.3
AzureRM.Automation	10/1/2019, 4:48 PM	Available	1.0.3
AzureRM.Compute	10/1/2019, 4:47 PM	Available	1.2.1
AzureRM.Profile	10/1/2019, 4:48 PM	Available	1.0.3
AzureRM.Resources	10/1/2019, 4:49 PM	Available	1.0.3
AzureRM.Sql	10/1/2019, 4:49 PM	Available	1.0.3
AzureRM.Storage	10/1/2019, 4:50 PM	Available	1.0.3

Available

5.0.0.0

10/1/2019, 4:50 PM





1 Importing a module may take several minutes.

Upload File (.zip format, 100 MB max size) * (i)

Select a file



 \bigcirc

Uploaded module

8:43 AM

Uploaded module 'Rubrik'. Import in progress.





0



8,254

Downloads

613

Downloads of 4.0.0.509

View full stats

9/23/2019

Last Published

Info

Project Site License Info Contact Owners Report

Rubrik 4.0.0.509

This is a community project that provides a Windows PowerShell module for managing and monitoring Rubrik's (Data Management platform.

Minimum PowerShell version 4.0

✓ Installation Options

Install Module Azure Automation Manual Download

Copy and Paste the following command to install this package using PowerShellGet More Info

PS> Install-Module -Name Rubrik





Rubrik

This is a community project that provides a Windows PowerShell module for managing and monitoring Rubrik's Cloud Data Management platform.

Tags: Rubrik Cloud_Data_Management CDM Backup Recovery Data_Protection PSModule

Created by: chriswahl, Rubrik_Build

8246 downloads

Last updated: 9/23/2019



RubrikBackupValidation

This module helps with verifying, validating and creating PowerShell Backup Validation configurations

Tags: Rubrik Converged_Data_Management CDM Backup Backup_Validation PSModule

Created by: JaapBrasser, Rubrik_Build

111 downloads

Last updated: 4/12/2019



PoshBot.Rubrik

This module is a plugin for PoshBot that allows for the command and control of a Rubrik cluster.

Tags: Rubrik Converged_Data_Management CDM Backup Recovery Data_Protection PSModule

Created by: chriswahl,Rubrik_Build

56 downloads

Last updated: 7/24/2019

Summary



Summary

01

Use Source Control 02

Validate your Code

03

Log your actions

04

Automate every step

Summary



Don't Backup. Go Forward.

