Microsoft

Power of PowerShell w/ Amazing Azure

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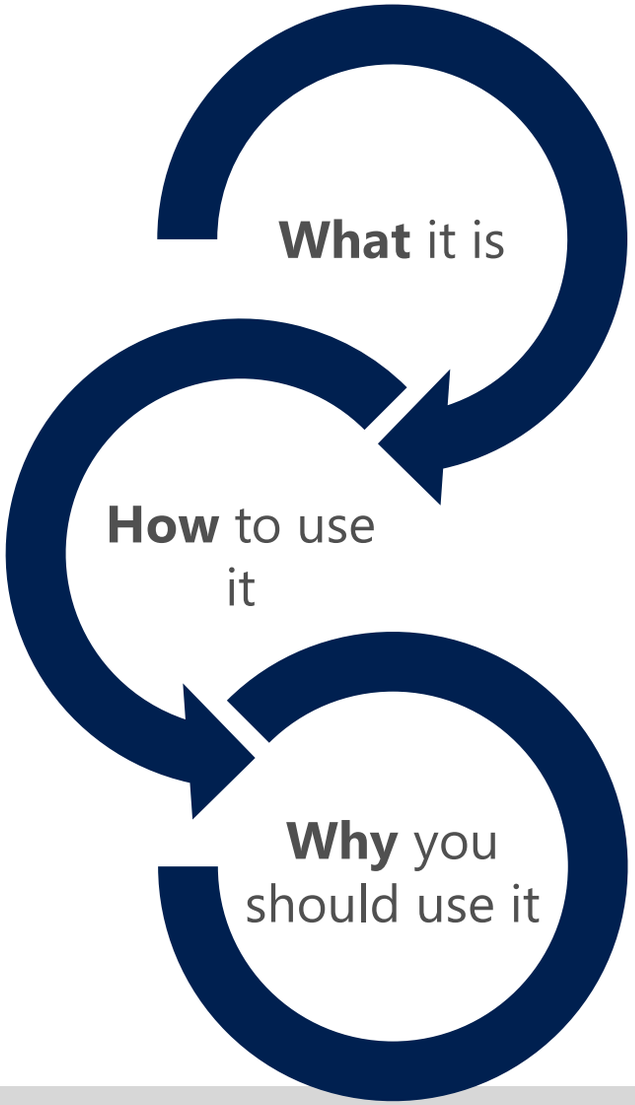
http://aka.ms/mark/psna

Agenda



1. PowerShell
2. Azure
3. PowerShell w/ Azure

PowerShell

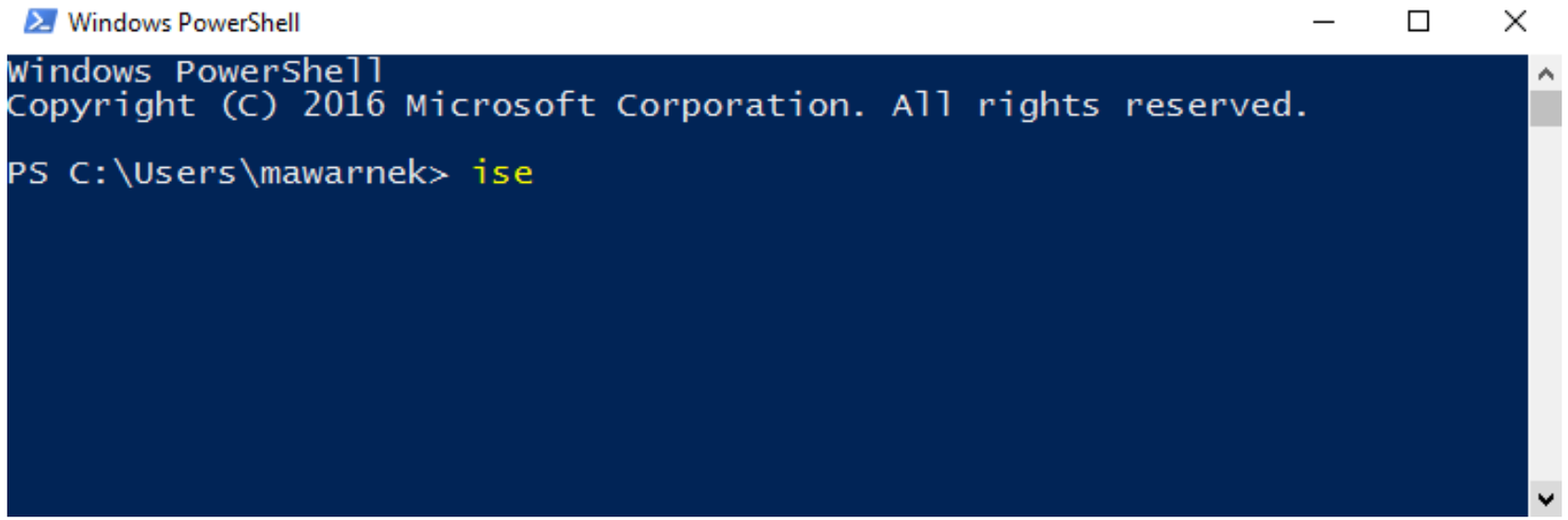
What

- task automation
- configuration management
- command-line shell
- scripting language
- built on the .NET Framework

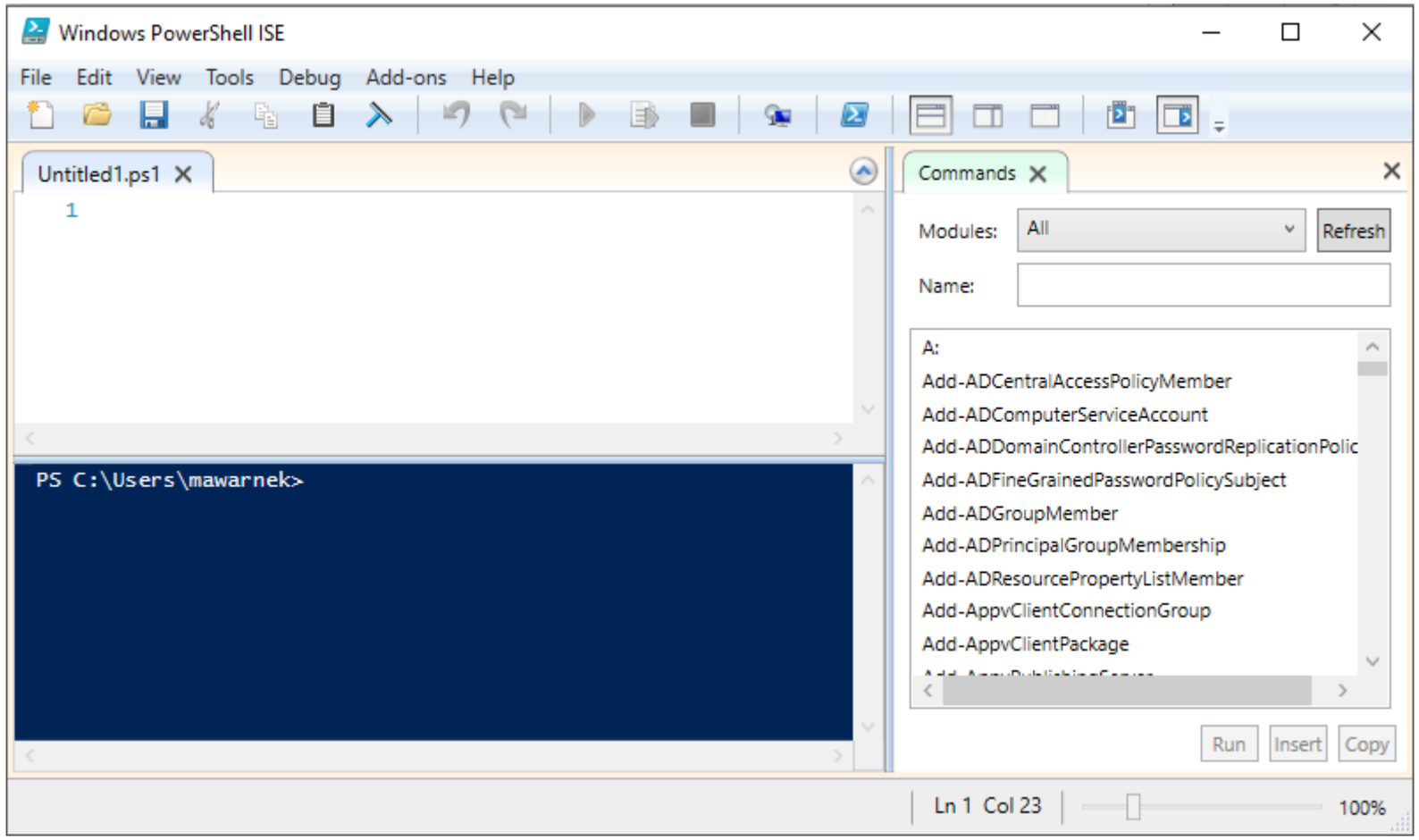
https://en.wikipedia.org/wiki/**PowerShell**

How

+ R type “PowerShell”



PowerShell Integrated Scripting Environment

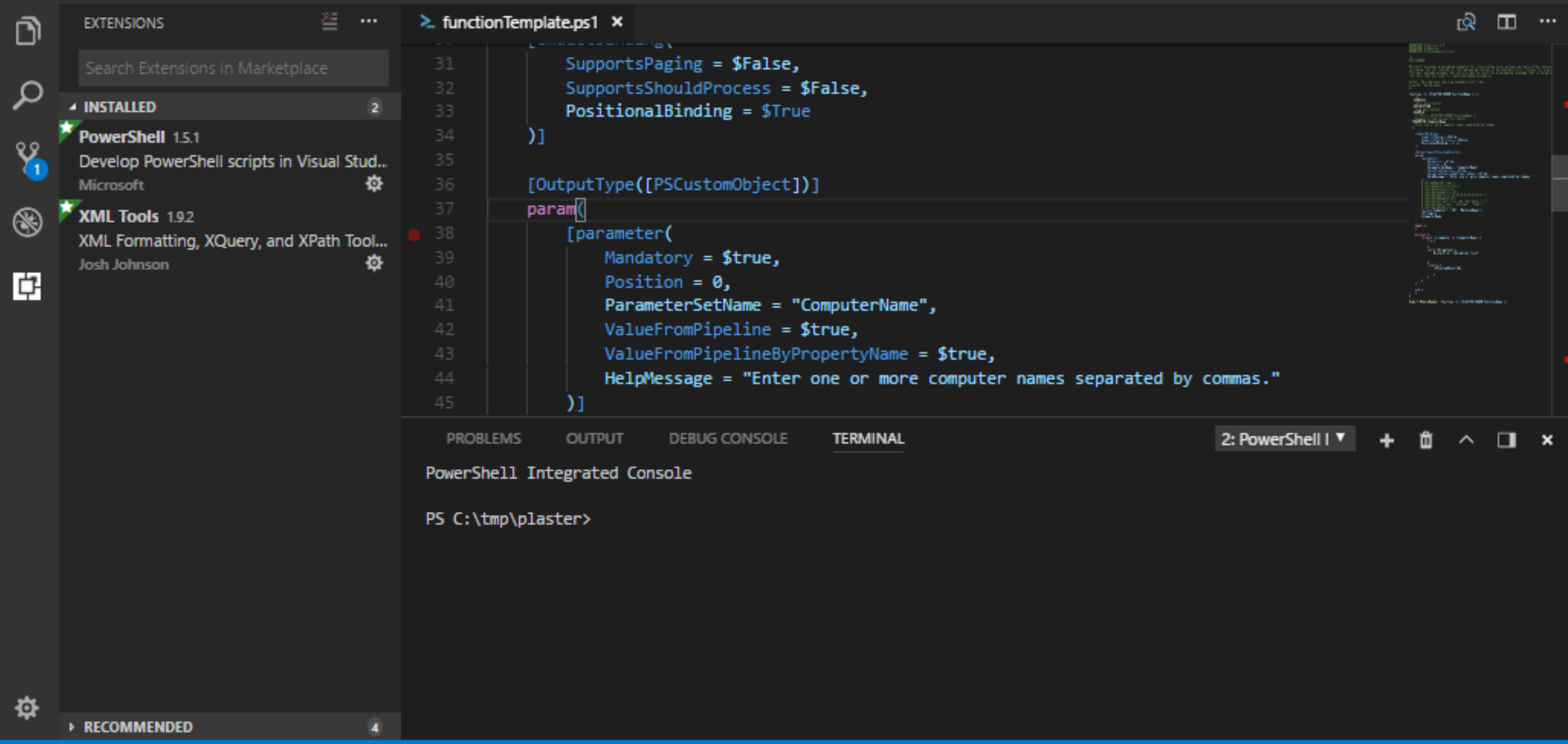


Scripting

Commands

Save

Visual Studio Code



Syntax

Verb-Noun

Piping “|”

Get | Do | Out methodology

.NET Framework

Syntax

Verb-Noun

do Something
“dash”
with Something

“Get-”
Command

Piping

putting an output
as an input for another command

Demo

Why

- ✓ fast
- ✓ sharable
- ✓ reliable

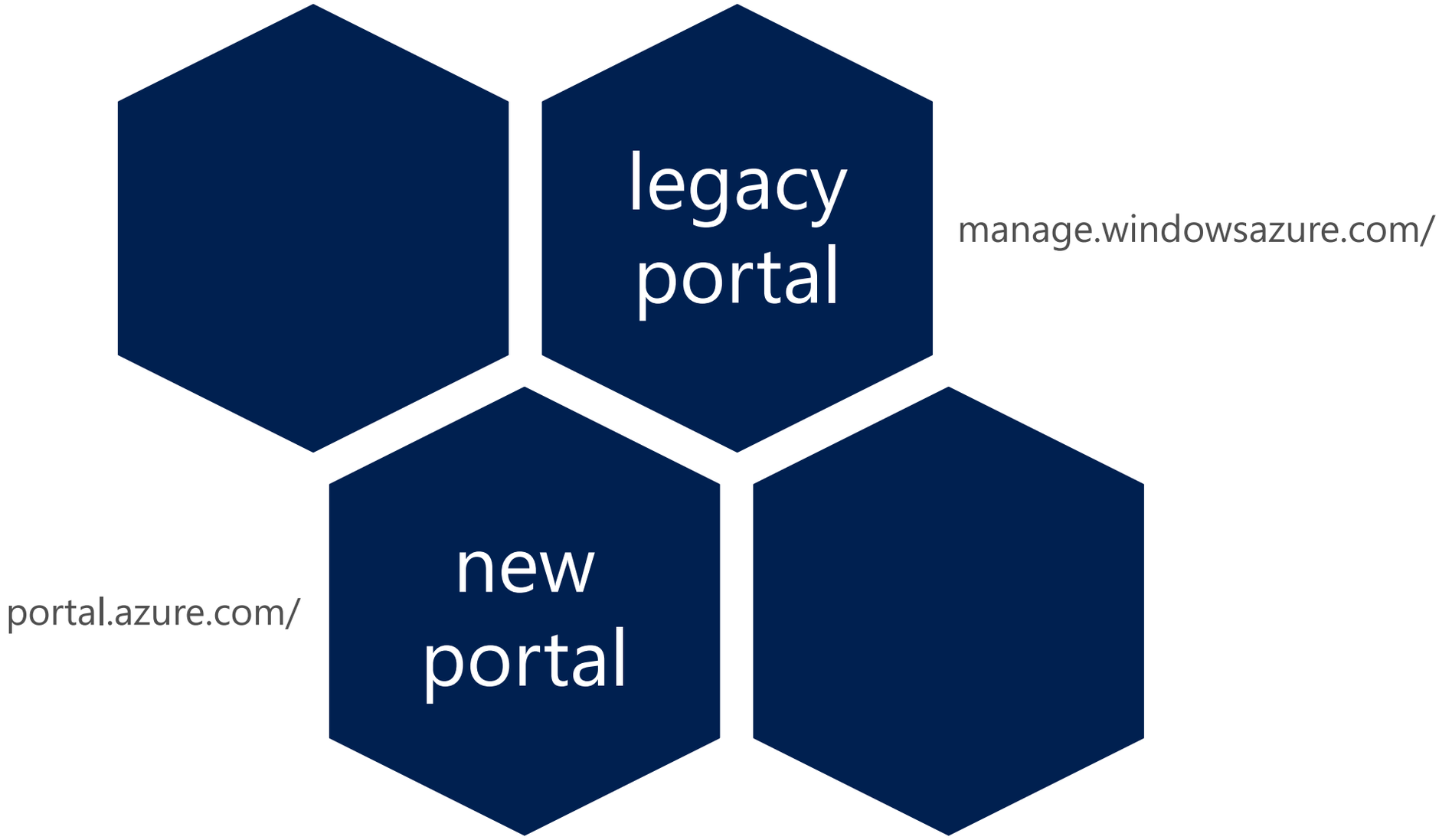
Azure

What

- IaaS
- PaaS
- SaaS

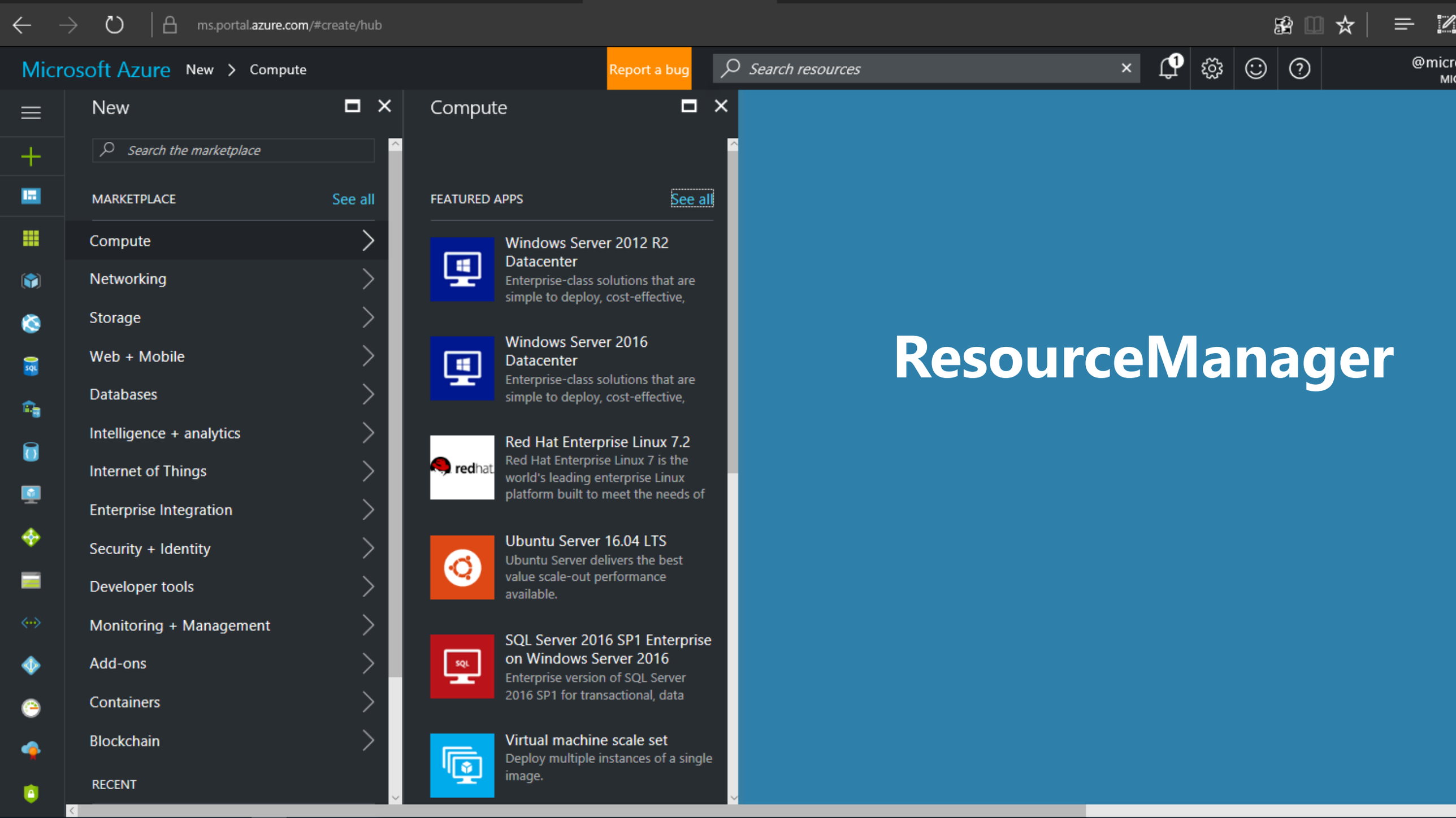
*as a Service

How



manage.windowsazure.com/

portal.azure.com/


ms.portal.azure.com/#create/hub
Microsoft Azure
New
Compute
Report a bug
Search resources
New
Search the marketplace
MARKETPLACE
See all
Compute
Networking
Storage
Web + Mobile
Databases
Intelligence + analytics
Internet of Things
Enterprise Integration
Security + Identity
Developer tools
Monitoring + Management
Add-ons
Containers
Blockchain
RECENT
Compute
FEATURED APPS
See all
Windows Server 2012 R2 Datacenter
Enterprise-class solutions that are simple to deploy, cost-effective,
Windows Server 2016 Datacenter
Enterprise-class solutions that are simple to deploy, cost-effective,
Red Hat Enterprise Linux 7.2
Red Hat Enterprise Linux 7 is the world's leading enterprise Linux platform built to meet the needs of
Ubuntu Server 16.04 LTS
Ubuntu Server delivers the best value scale-out performance available.
SQL Server 2016 SP1 Enterprise on Windows Server 2016
Enterprise version of SQL Server 2016 SP1 for transactional, data
Virtual machine scale set
Deploy multiple instances of a single image.
ResourceManager

Why

- ✓ computing & storage
- ✓ development
- ✓ lab-environment

Leverage the power of PowerShell
with the amazingness of Azure

What

Use PowerShell to manage Azure

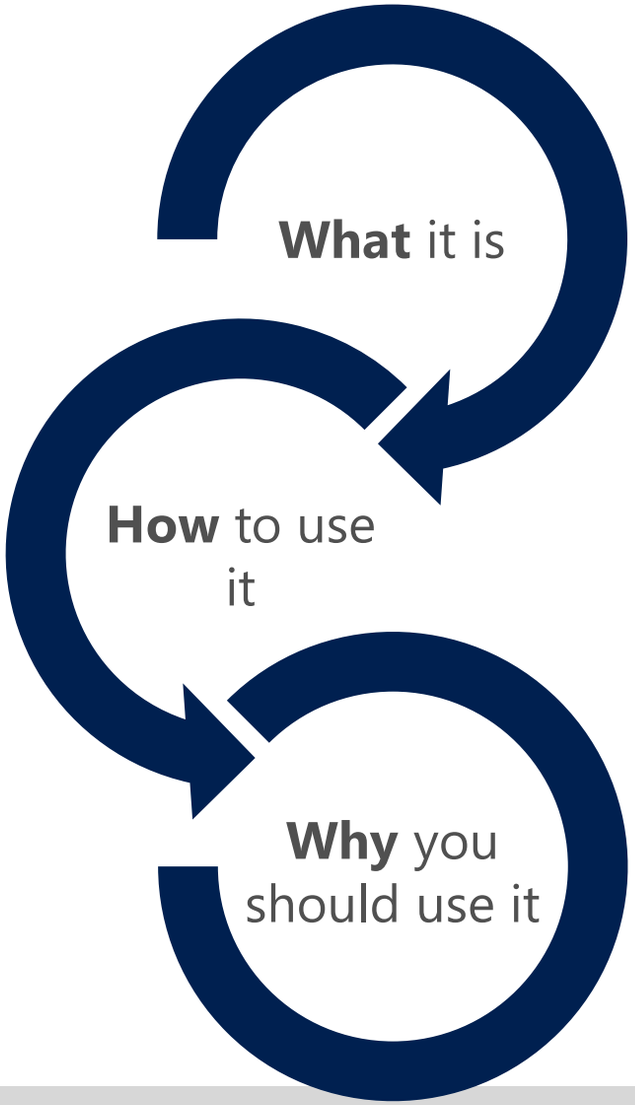
Demo

https://aka.ms/mark/kahoot/psna

Why

- ✓ shareable
- ✓ fast
- ✓ reliable

Summary - PowerShell w/ Azure



Increase productivity, efficiency and effectives

Call To Action

Remoting with PowerShell
Scripting with PowerShell

Manage Azure w/ Unix

aka.ms/mark/psna/voice

let me know what you think!

Resources

- https://azure.microsoft.com/en-us/downloads/

- https://docs.microsoft.com/en-us/powershell/azureps-cmdlets-docs/

Install the Azure Resource Manager modules from the PowerShell Gallery
- Install-Module AzureRM

Install Azure Resource Manager on Linux / Mac
- https://github.com/Azure/azure-cli

Local Git Deployment to Azure App Service
- https://docs.microsoft.com/en-us/azure/app-service-web/app-service-deploy-local-git

- https://msdn.microsoft.com/en-us/powershell/scripting/core-powershell/running-remote-commands

Thanks!

Microsoft

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