



jaapbrasser.com/about



- Technical Marketing Engineer at Rubrik
- PowerShell Conference EU/Asia
- Dutch PowerShell User Group
- Speaker / Blogger / Tech Enthusiast
- PowerShell Gallery
- TechNet / MSTechCommunity





Agenda

What are Azure Functions

How do they work?

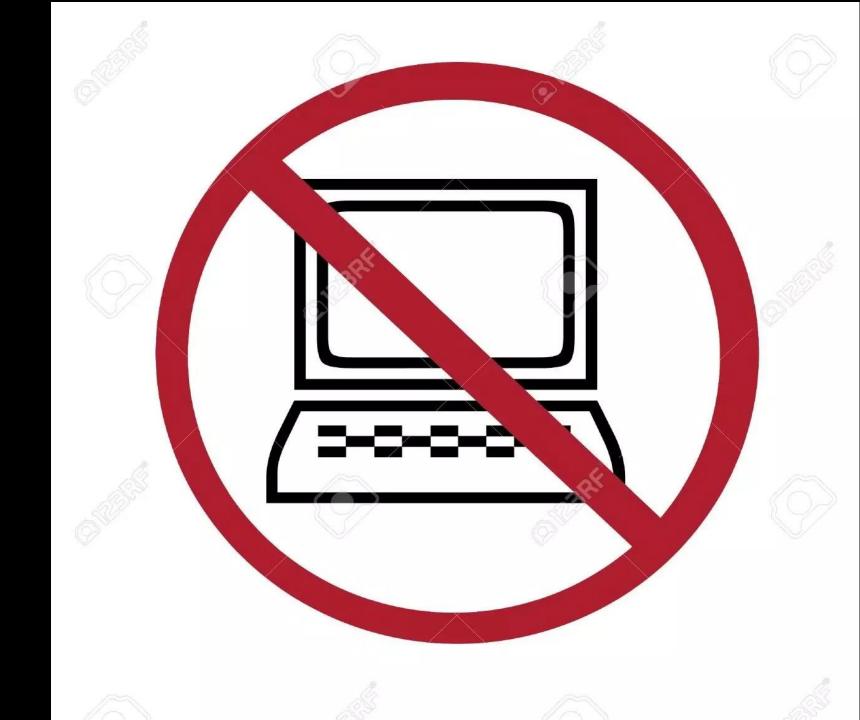
What can we do with PowerShell

Demos

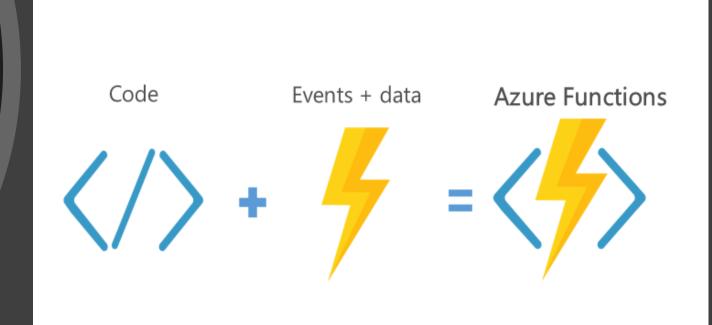
Questions



What is serverless?



What are Azure Functions



Azure Web Apps



Advantages of Azure Functions

Pay for what you use

No Infrastructure to manage

No maintenance of servers

Can be placed in existing subscriptions

Simplify code writing

What are we solving?

Using our scripting skills in the cloud

Re-using existing code / scripts

Faster deployment

Less maintenance

Demo 1

Exploring Azure Functions

Demo Summary

- Triggers available
- Scenarios available
- Experimental flag
- How to create Azure Function
- Delete Azure Function



Experimental Language Support: Enabled

PowerShell language support is still experimental

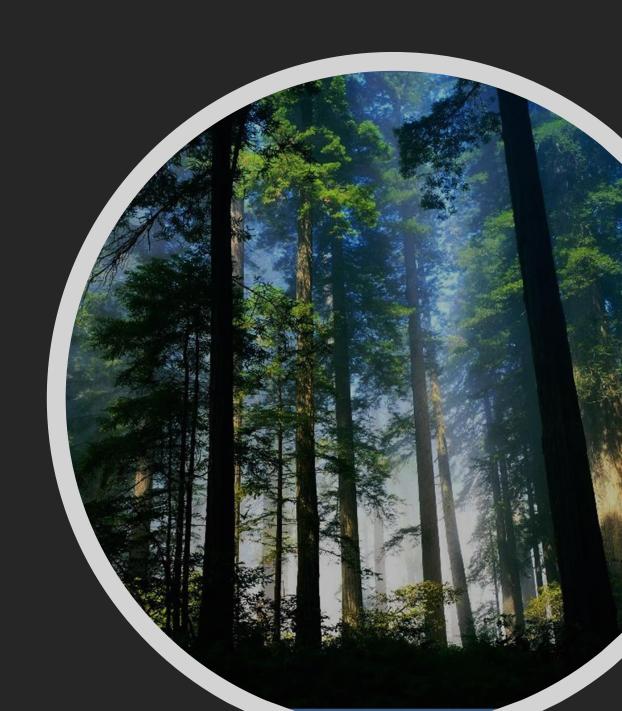


Demo 2

Create timed function

Demo Summary

- Create PowerShell function
- Used cron notation



Demo 3

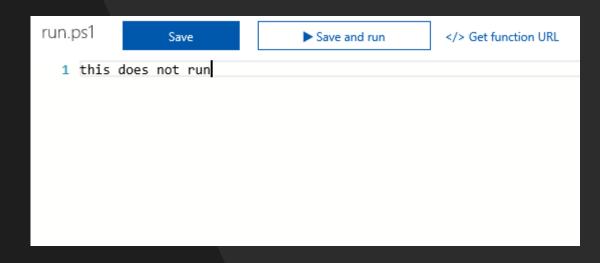
Azure PowerShell Function

Demo Summary

- Which PowerShell version
- What variables are defined
- Saw the variables & files
- Reconfigured function.json
- Used Invoke-RestMethod to run



Error handling





Invocation log 2 Refresh	
Function	Status
HttpTriggerPowerShell2 (Method: POST, Uri:)	×
HttpTriggerPowerShell2 (Method: POST, Uri:)	×
HttpTriggerPowerShell2 (Method: POST, Uri:)	×

Demo 4

Azure Function Errors

Demo Summary

- Had our function fail
- Looked at different error logs
- Fixed the code based on output





Which tools?



VS Code

PowerShell best practices

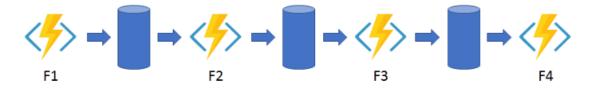
Develop code in proper tools

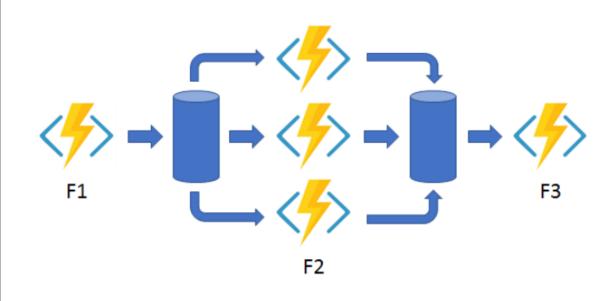
Use source control

Run script analyzer for coding practices

Keep your code simple

Write tests





Durable Functions scenarios

Durable Functions

Open source on GitHub

Task orchestration

Extension of Azure Functions

github.com/Azure/durabletask

No experimental languages

Summary

Use existing PowerShell skills

Develop serverless code

Interact with other services

Free tier

functions.azure.com

