From PowerShell Function to Serverless code with Azure Functions



Jaap Brasser

Tweets @ jaap_brasser

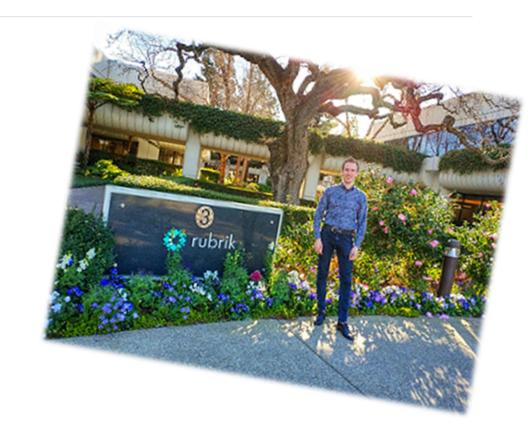
Blogs @ jaapbrasser.com

Works Tech Marketeer @ Rubrik.com

Does Blogger, Speaker, Tech Enthusiast

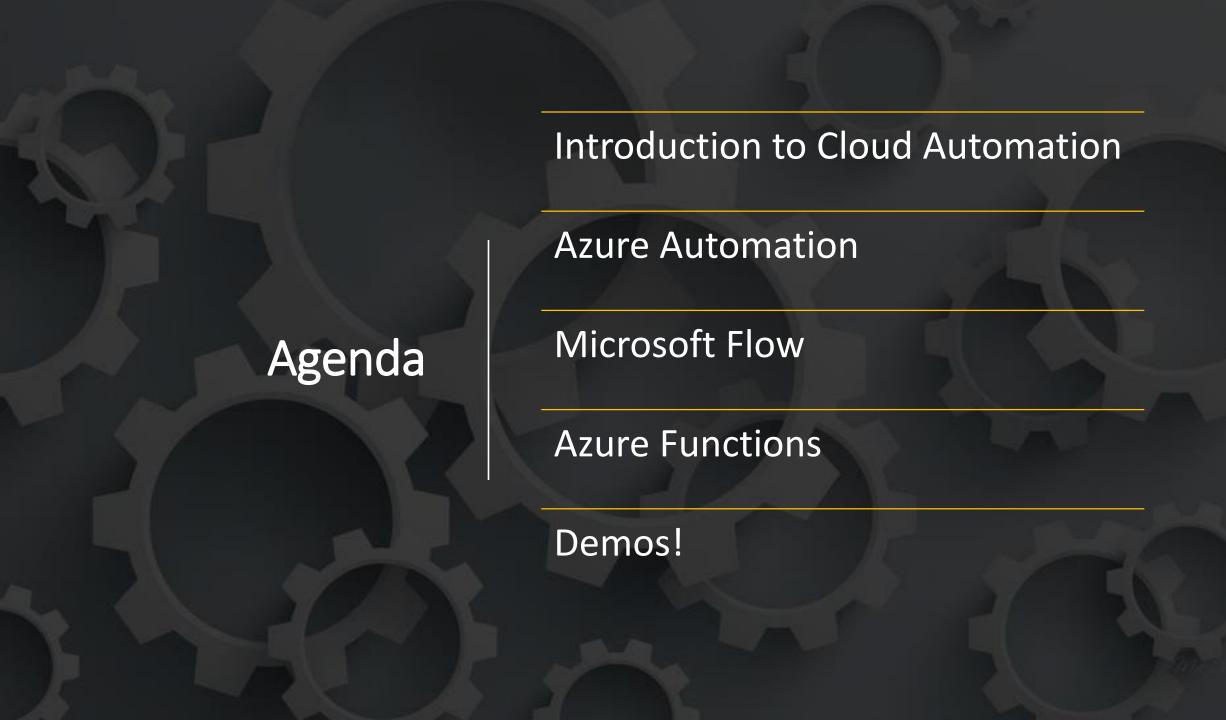
Likes Cloud Automation, Scripting &

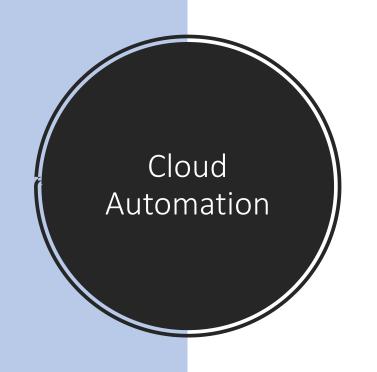
Security







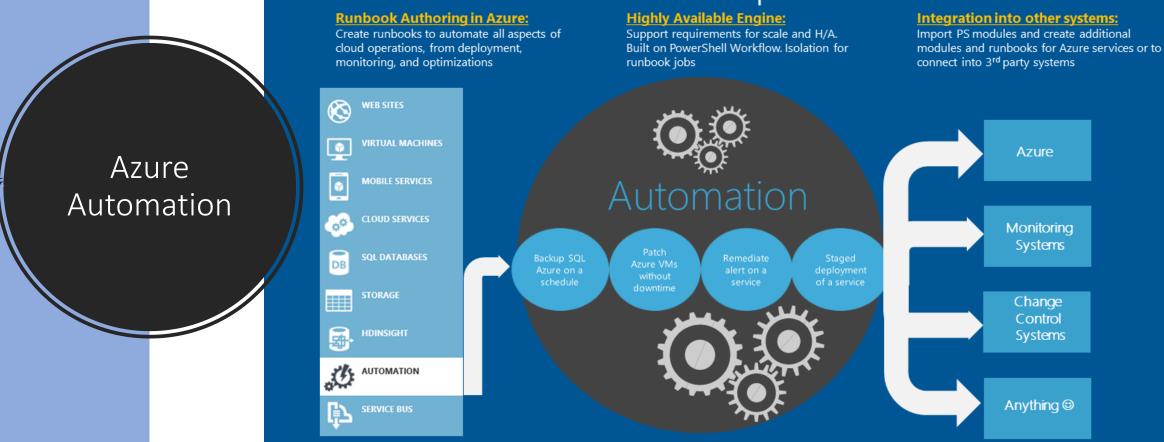








Azure Automation Capabilities



Azure Automation Summary

Automate processes

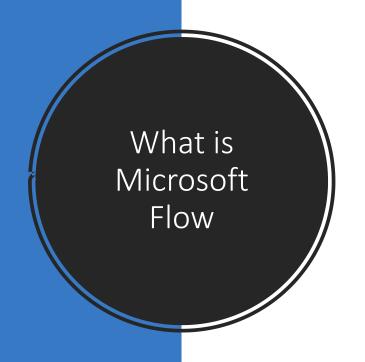
Cross-platform configuration management

Download example runbooks and scripts

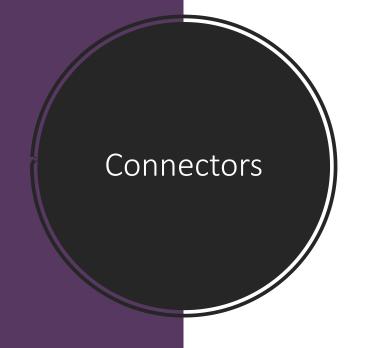
Event grid integration

Hybrid Runbook Worker

500 free minutes



















Office 365 Outl...

OneDrive for B...

Office 365 Users

SharePoint

Twitter

Notifications



RSS



Outlook.com

Recently added connectors







Marketing Cont...



Pitney Bowes T...



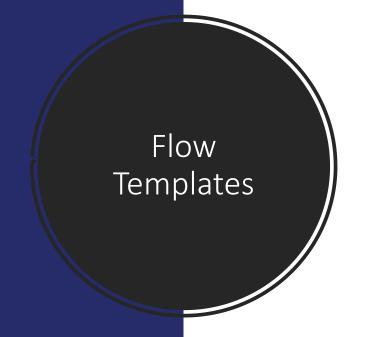
Excel Online (B...

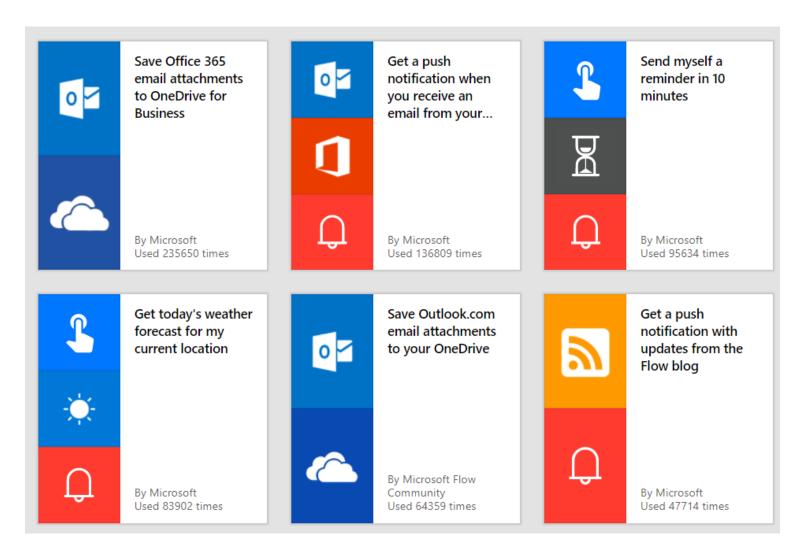


Excel Online (O...



Azure SQL Data...





Microsoft Flow Summary

Use Connectors to get data

Create triggers based on this data

Build workflows

Integrate and combine different services

Approval flows

Long runtime of flows

What are Azure Functions





What is serverless?

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 trying to solve?

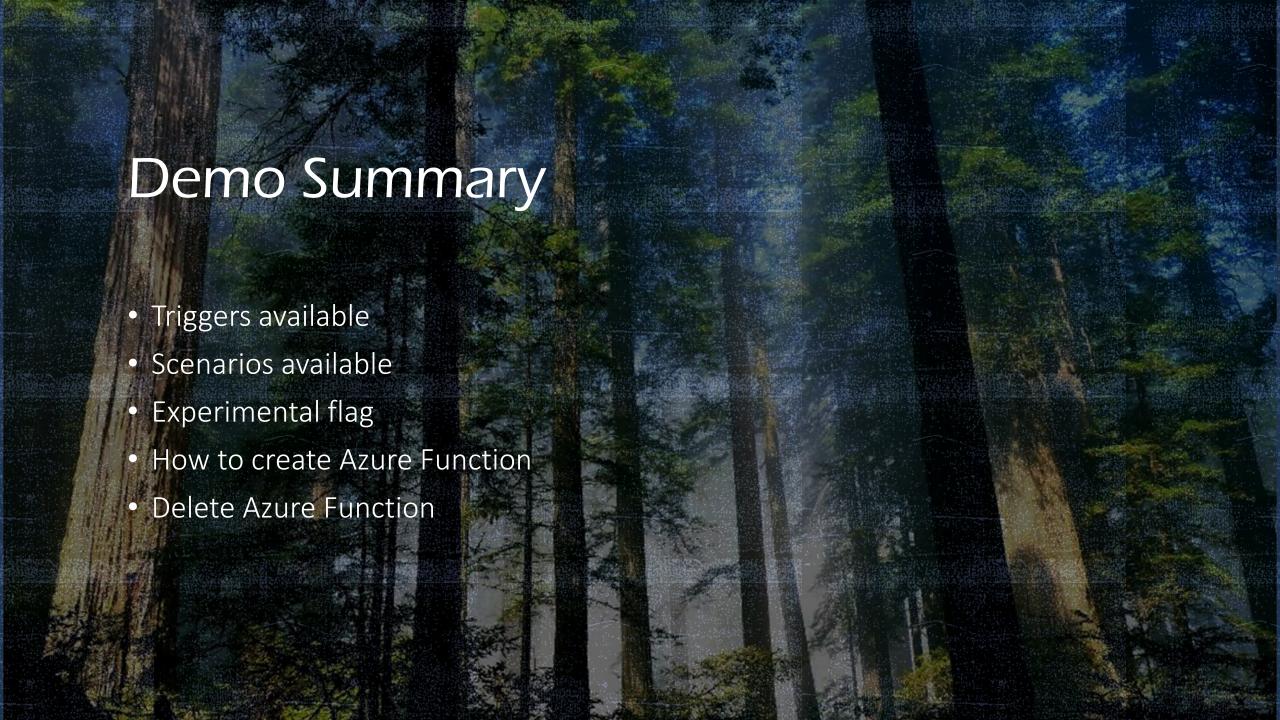
Using our scripting skills in the cloud

Re-using existing code / scripts

Faster deployment

Less maintenance

Exploring Azure Functions



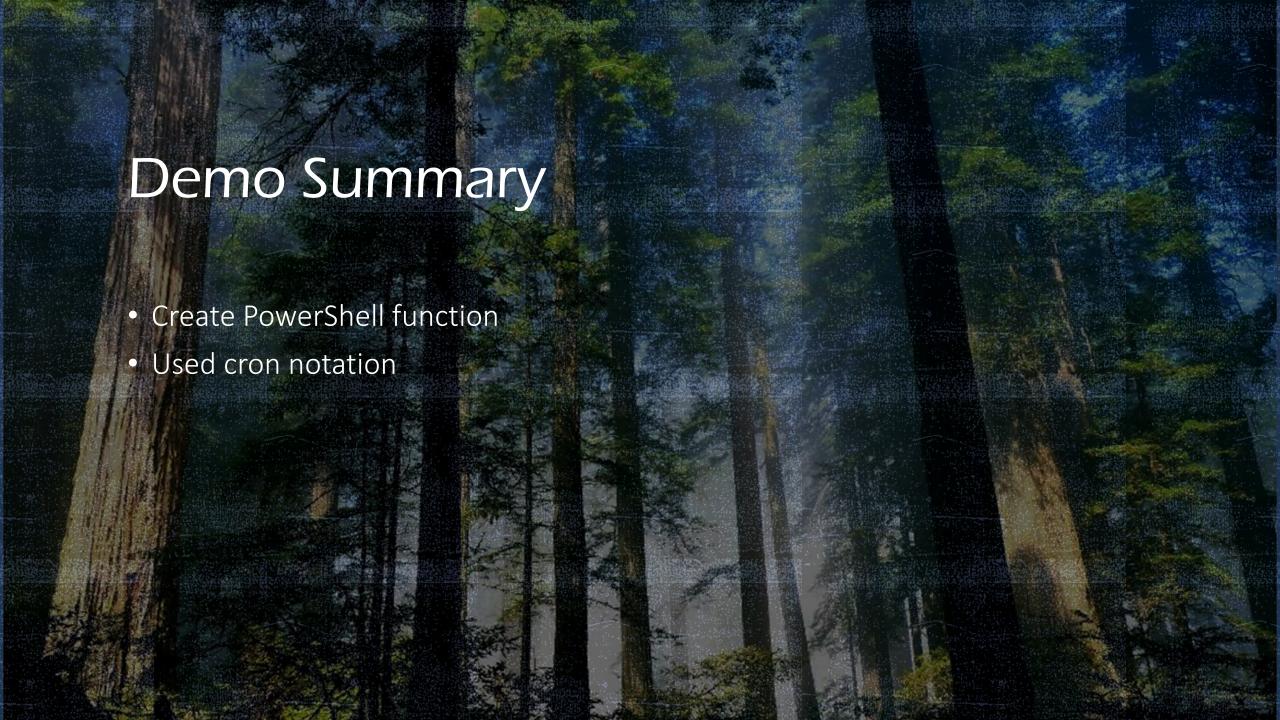


Experimental Language Support:

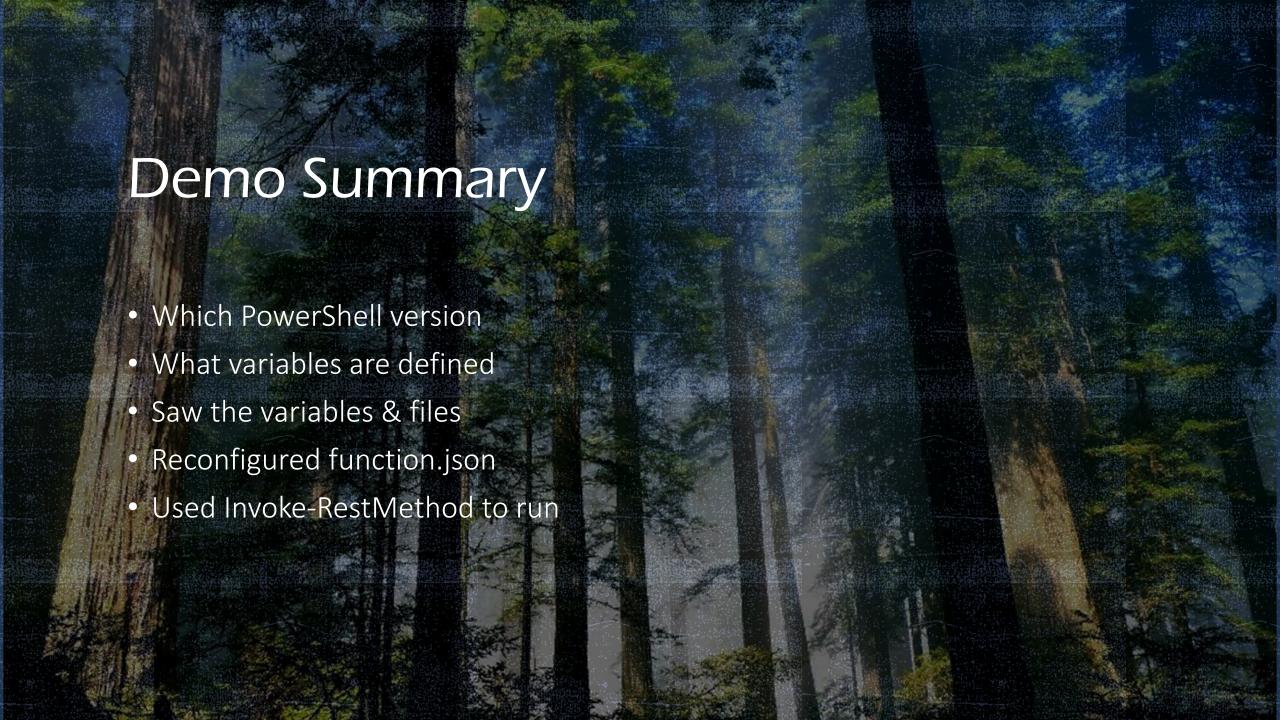


PowerShell language support is still experimental

Create timed function



Azure PowerShell Function



+ FullyQualifiedErrorId : CommandNotFoundException

Error handling

```
Invocation log Refresh
```

Function

HttpTriggerPowerShell2 (Method: POST, Uri: ...)

HttpTriggerPowerShell2 (Method: POST, Uri: ...)

Status 484265-3137-4bd3-a077-f548272d3704", fd": "7b3168a5-7494-4825-9ef6-73764f3f4ab7", Code": 500,

Status: 500 Internal Ser

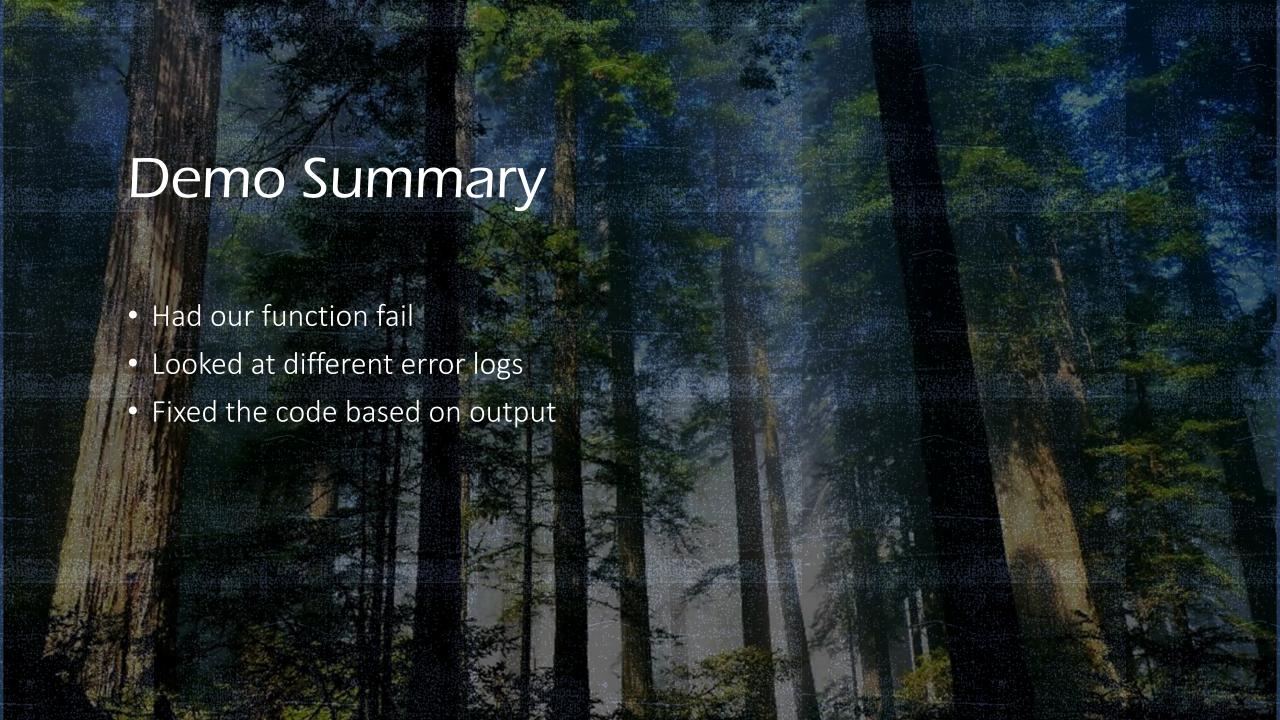
Code": 0.

sage": "An error has occurred. For more information, pl

/18-04-23T13:31:48.973 [Error] Exception while executing function: Functions.HttpTriggerP 2018-04-23T13:31:49.005 [Error] Function completed (Failure, Id=abbf3cc1-b7c2-4d19-8358-32

the logs for error ID 2fd84265-3137-4bd3-a077-f548272d3

Azure Function Errors











Other Deployment methods

Summary

Use existing PowerShell skills

Develop serverless code

Interact with other services

Free tier

functions.azure.com

