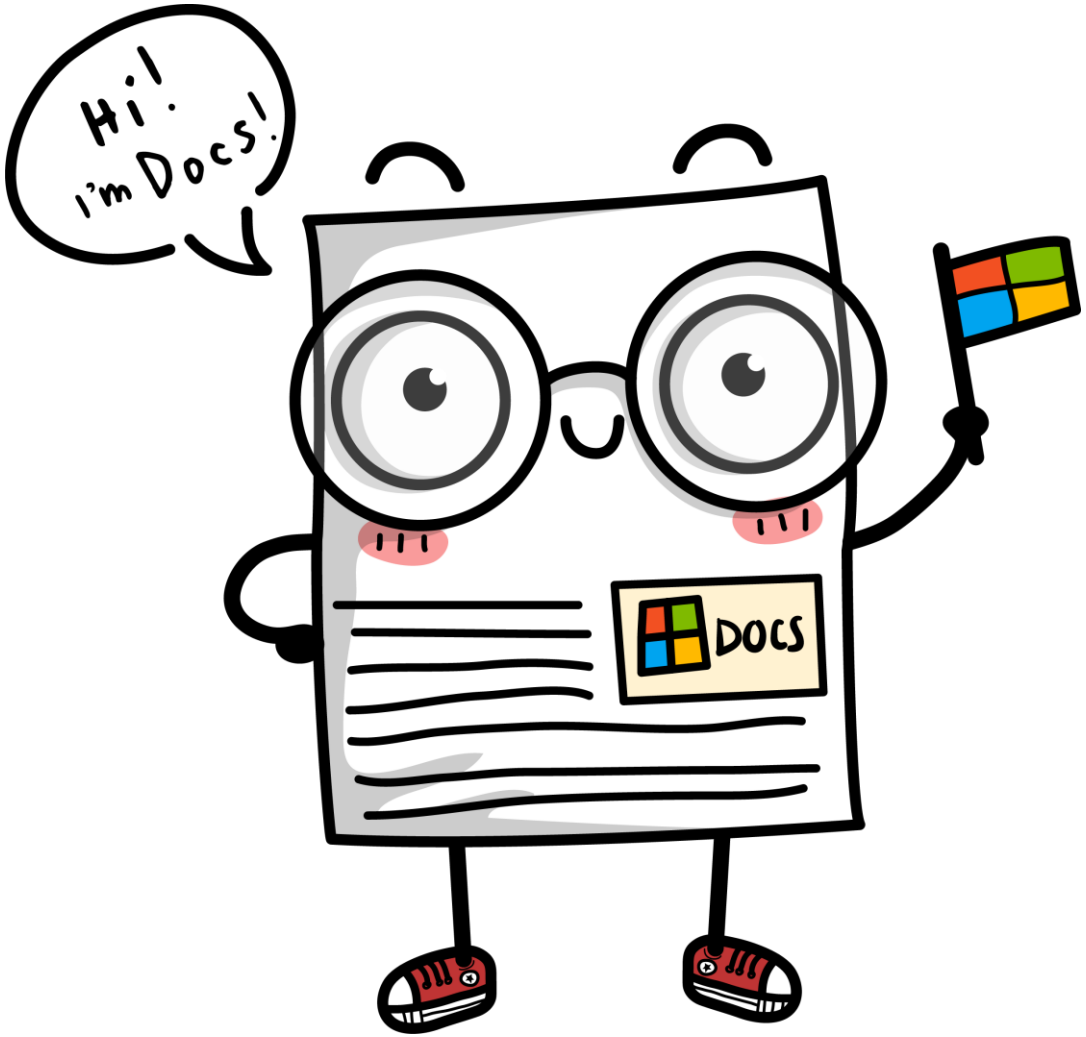
Microsoft

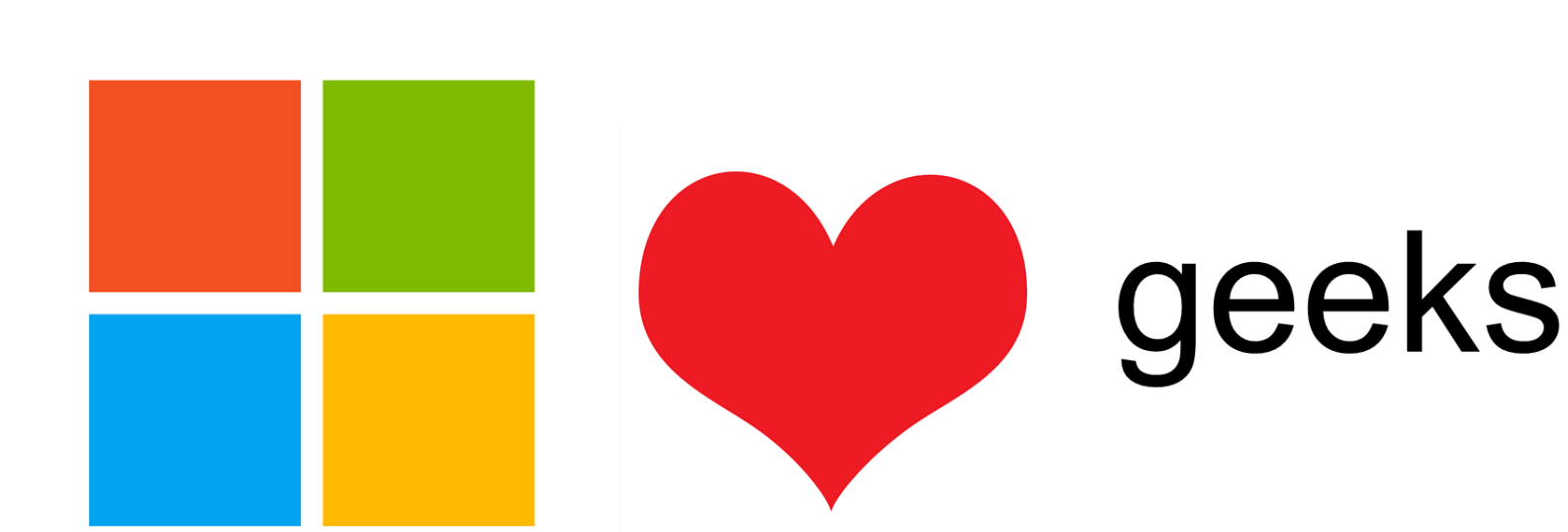


Powershell quick starts, tutorials, API reference, and code examples!

Advance your career with hands-on training at **docs.Microsoft.com**

Check it out here:

Microsoft



We really do!

Show some love and join the conversation by tweeting
@MicrosoftTech

Developing Serverless Applications with Azure Functions

Jaap Brasser

jaap_brasser

MVP Microsoft Most Valuable Professional
SAPIEN Technologies, Inc.
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Blogs	@ jaapbrasser.com
Works	Tech Marketeer @ Rubrik.com
Does	Blogger, Speaker, Tech Enthusiast
Likes	Cloud Automation, Scripting & Security

rubrik

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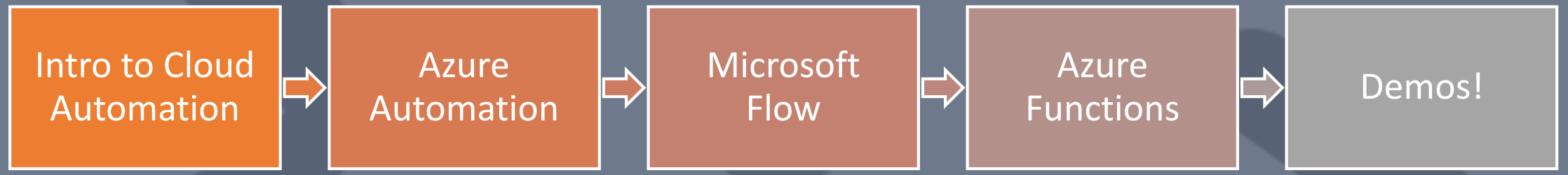
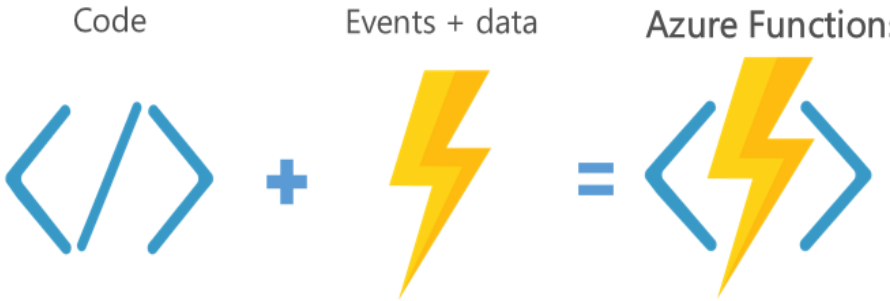
Agenda

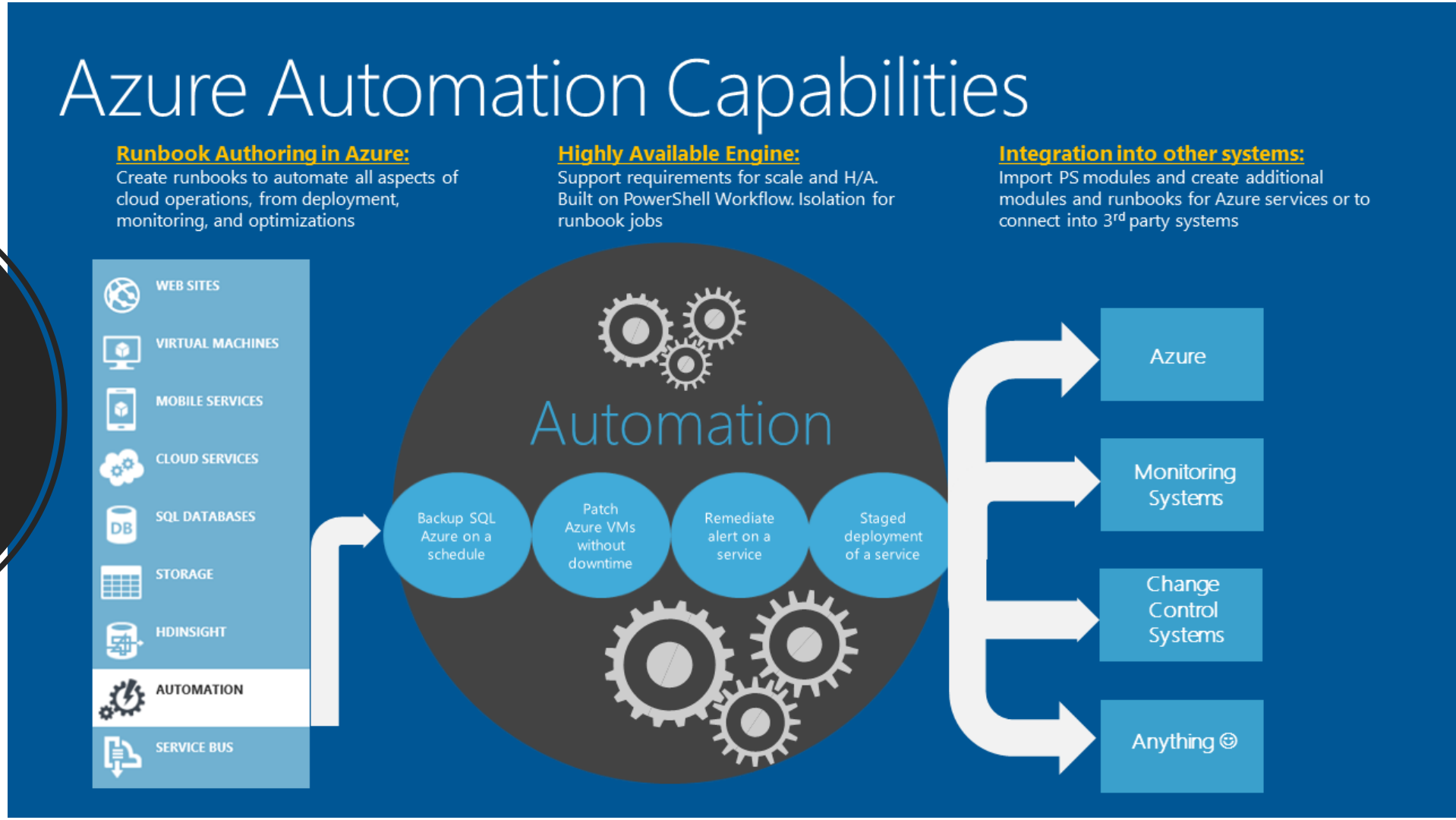

Intro to Cloud Automation
Azure Automation
Microsoft Flow
Azure Functions
Demos!

Cloud Automation

Microsoft Flow



Azure Automation



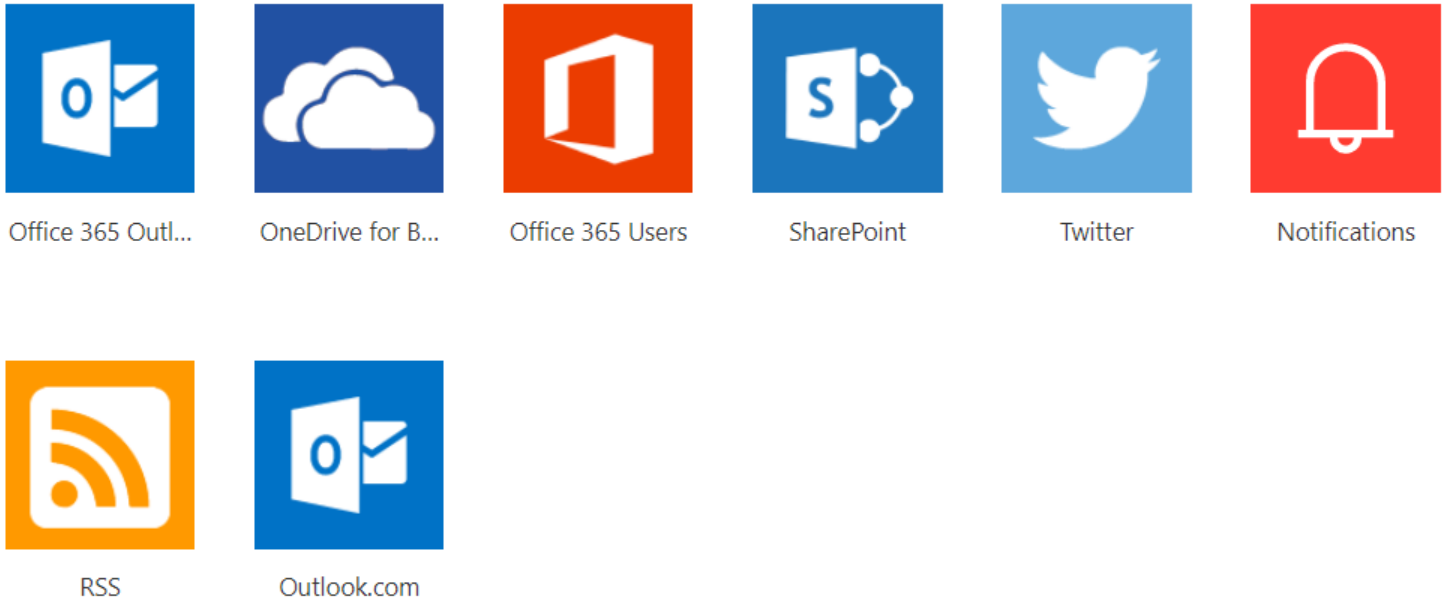
Azure Automation Summary

- Automate processes
- Cross-platform configuration management
- Download example runbooks and scripts
- Event grid integration
- Hybrid Runbook Worker
- 500 free minutes

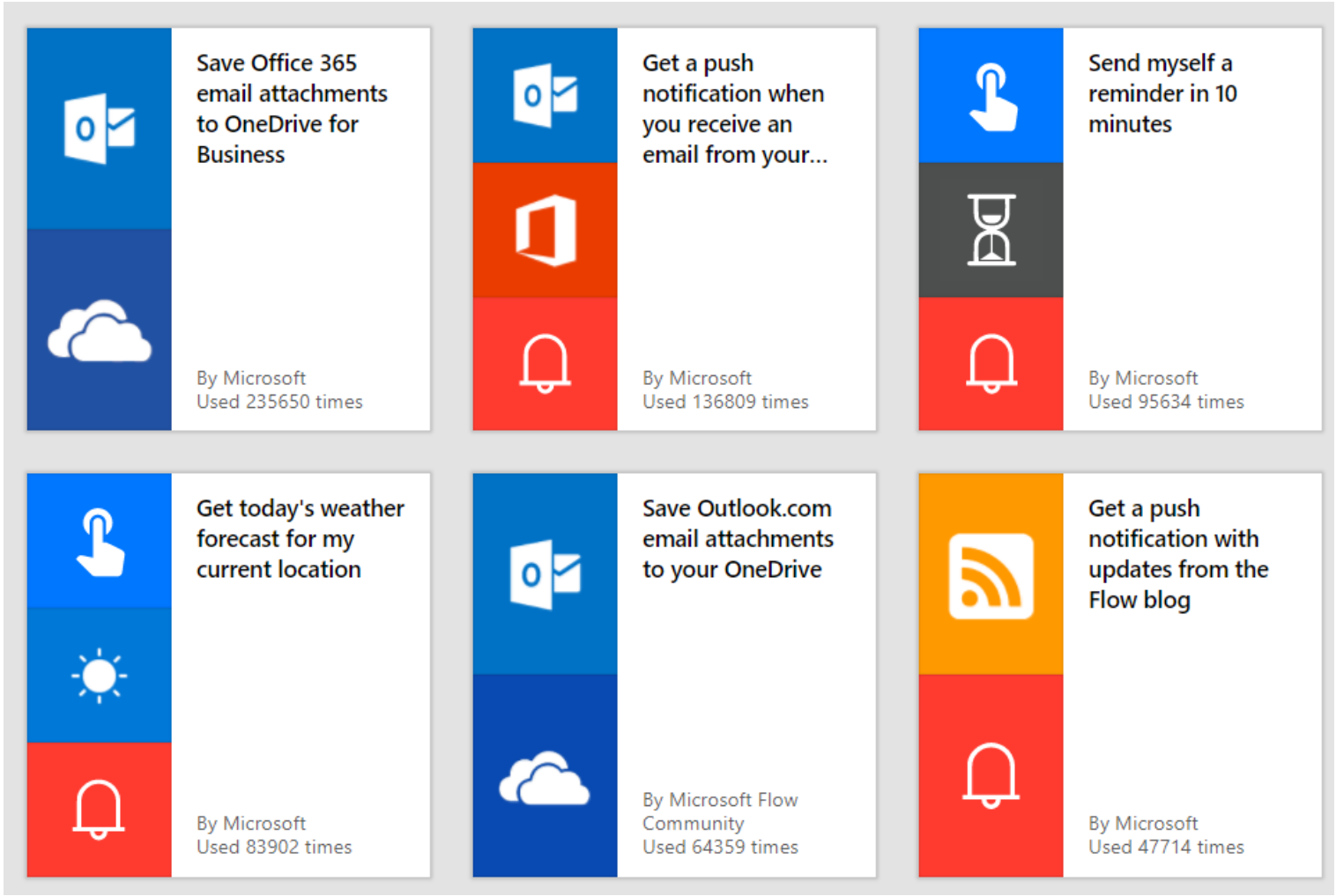
What is Microsoft Flow

Microsoft Flow

Connectors


Office 365 Outl...
OneDrive for B...
Office 365 Users
SharePoint
Twitter
Notifications
RSS
Outlook.com
Recently added connectors
AtBot Admin
Marketing Cont...
Pitney Bowes T...
Excel Online (B...
Excel Online (O...
Azure SQL Data...

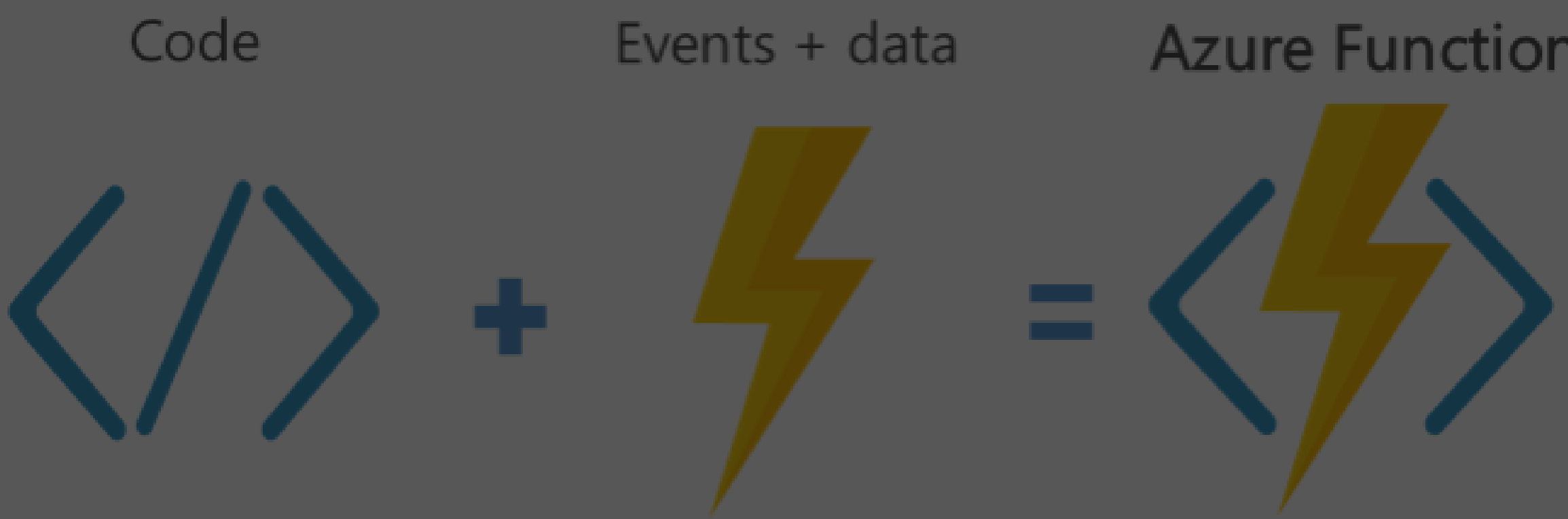
Flow Templates



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?

Re-using existing skills

Re-using existing code / scripts

Faster deployment

Less maintenance

Demo

Exploring Azure Functions

Demo Summary

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

Experimental Language Support: Enabled

PowerShell language support is still experimental

Demo

Create timed function

Demo Summary

- Create PowerShell function
- Used cron notation

Demo

Azure PowerShell Function

Demo Summary

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

Summary

- Use existing PowerShell skills
- Develop serverless code
- Interact with other services
- Free tier
- functions.azure.com

Questions

- Twitter:
  - @jaap_brasser
  - #PSConfAsia #PowerShell
- GitHub
  - github.com/jaapbrasser/events

Don’t Forget!

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- Grab the Speakers for a chat – they all have time for you!
- Let everyone know what they are missing on Social Media

  #PowerShell

  #PSConfAsia

  @Psconf.Asia

Photos of Marina Bay Credit: Sebastian Szumigalski

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