

Serverless Computing on Azure



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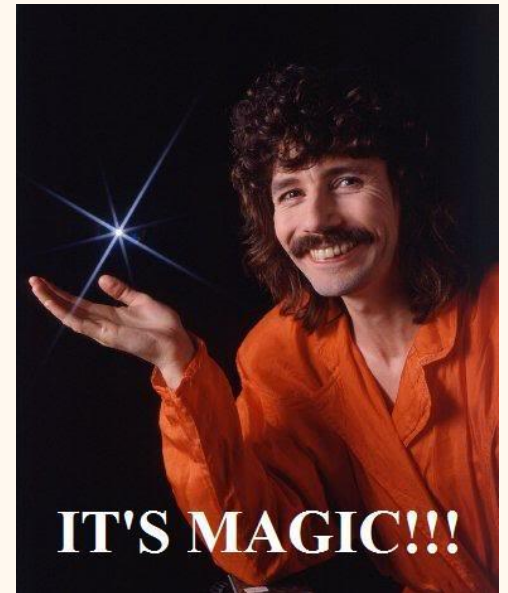


PLURALSIGHT



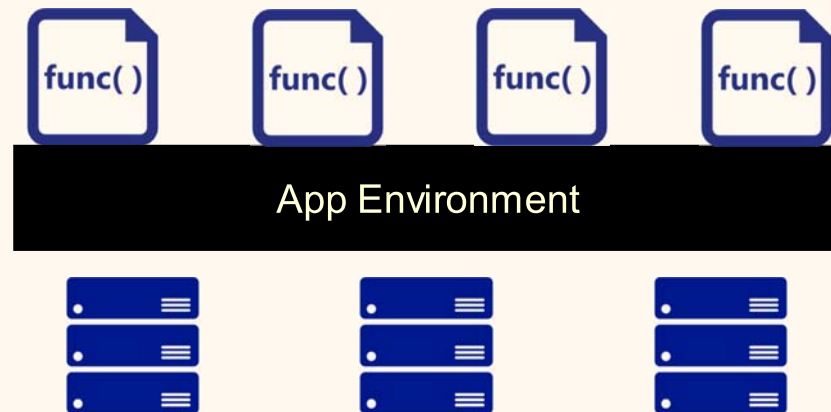
Serverless?

How can my code run without a computer?



Serverless Computing

- Yes there are servers
- Code and deploy to an environment
- Scale is handled for you
 - No instance management

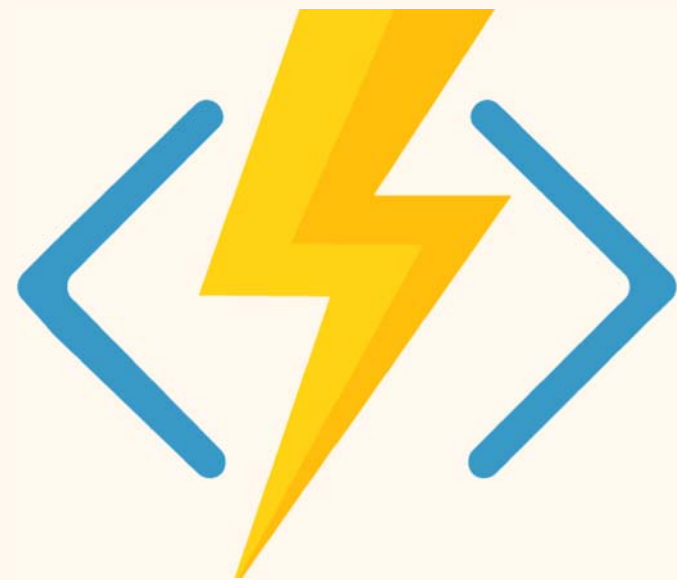


Azure Functions

Event-driven code

Run on demand

No infrastructure to manage



Azure Functions

- Write and deploy a “Function”
- Choose your language
 - C#, F#, JavaScript
 - PHP, Python, Bash, Batch, PowerShell



Working with Resources

Triggers

- Events start your function
- HTTP/WebHook
- Timer
- Messaging

Bindings

- Inputs & outputs
- Simplifies resource access



Local Dev/Debug

- Local Runtime Environment



Visual Studio Code



Visual Studio

Hosting Azure Functions

Consumption

- Pay for what you use
- Scales automatically

App Service

- Host with other app services
- Choose “Always On”
- Control scale of App Service Plan



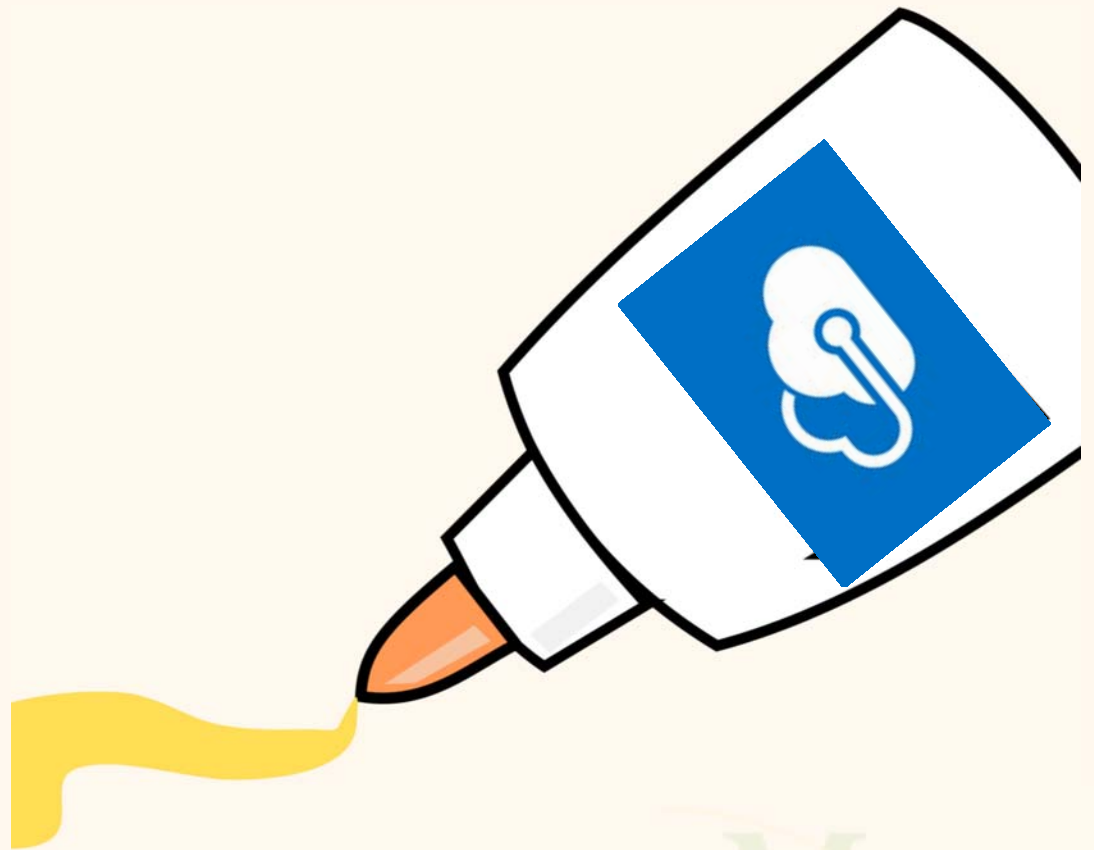
Preview Features

- Deployment Slots
- Proxies
 - Proxy functions, static content, logic apps, etc.
- API Definition
 - Export to PowerApps and Flow

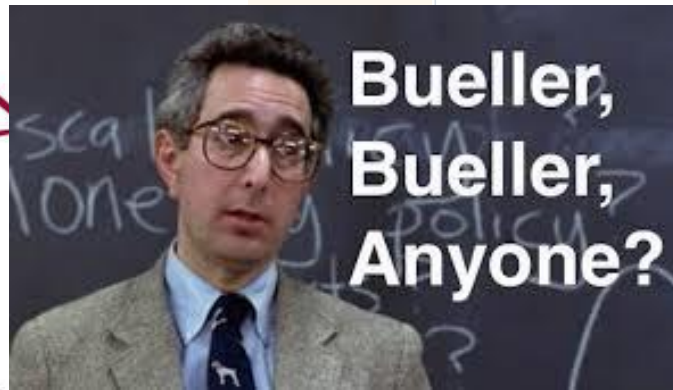


Logic Apps

- The glue to bind your code
- Declarative model
- Control flow



BizTalk & Windows Workflow



Working with Resources

Triggers

- Start the logic app
- Provide data inputs
- Polling, Push, Interval

Actions

- APIs
- Azure Functions
- Work with resources
- B2B functionality



Using Logic Apps

- Enterprise B2B
 - EDI, AS2
 - XML, Flat Files
 - Business Rules
 - Transformations
- Hybrid Solutions
 - Data gateway
 - Hybrid connections



Logic App Pricing

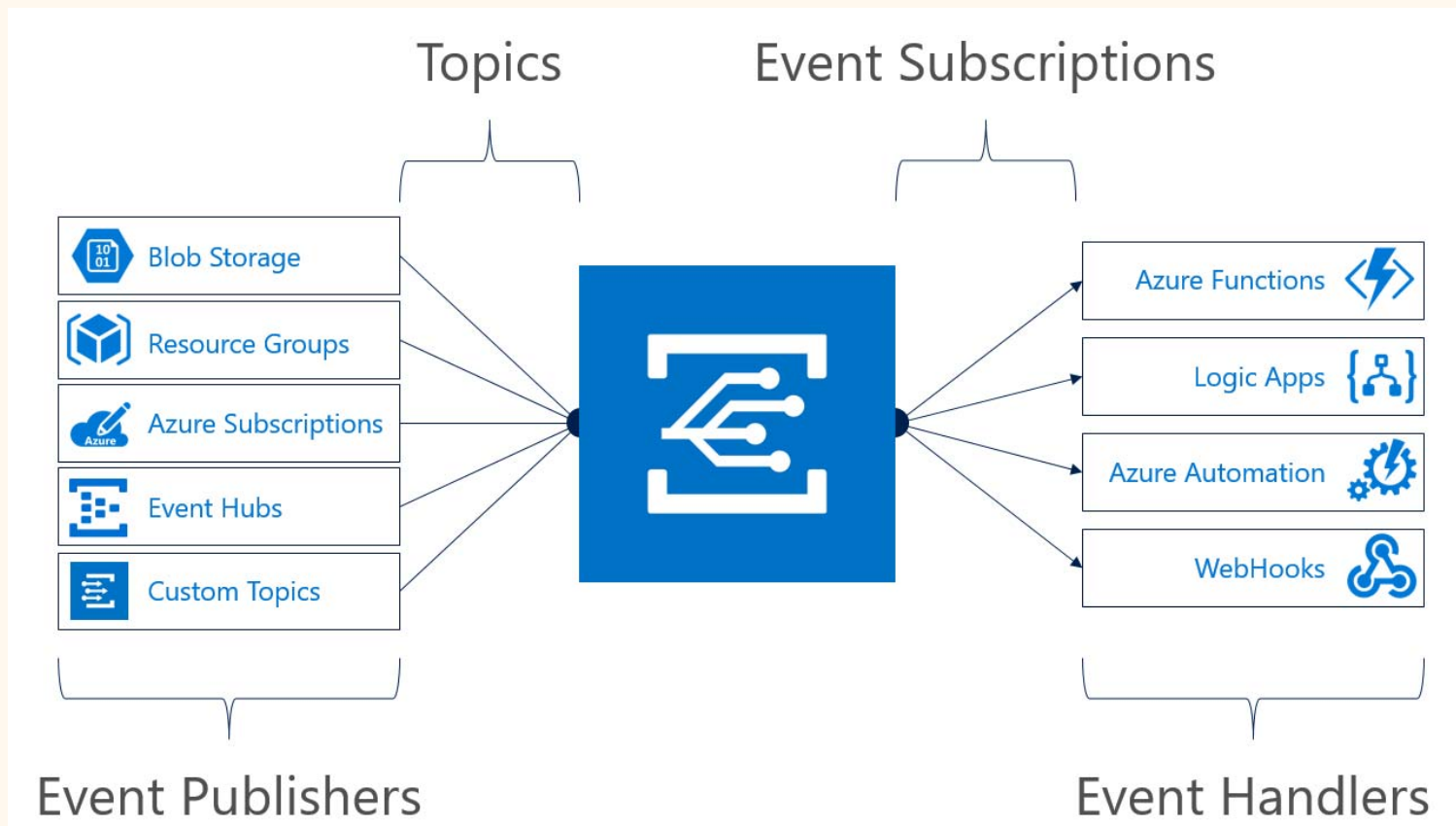
Standard Consumption Based

- Pay per-action
- Cost/Action lessens as scale increases

Integration Account

- \$1,000 / Month
 - EDI, AS2, Flat File, etc.
- \$800 / Month for enterprise connectors (SAP, MQ)
- Dev/Test = 50% discount

Event Grids



To Think About

Security

Monitoring

Questions?



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