Azure Functions in an enterprise environment

Barbara Forbes

Azure MVP, GitHub Star

Azure Technical Lead @ OGD

4bes.nl





Many thanks to our sponsors:













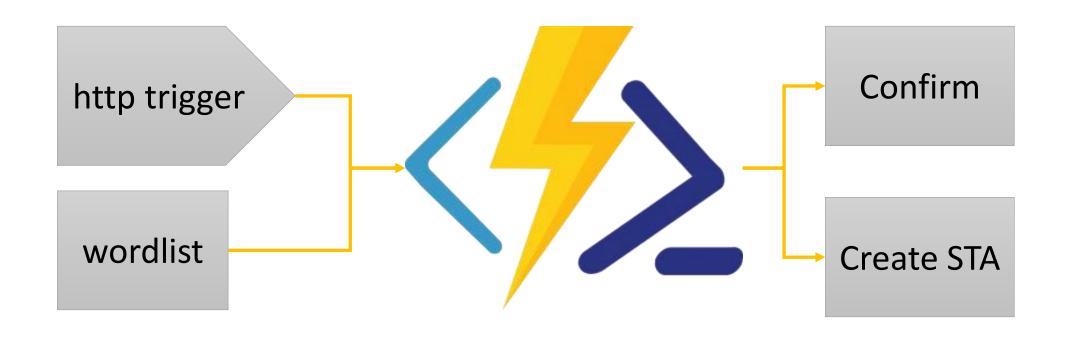
The difference between playing around and enterprise....

Scale

Security

Deployment

(and documentation)



```
PowerShell
   Windows Terminal can be set as the default terminal application in your settings. Open Settings
[2ms]C: > $Body = @{}
>> ResourceGroupName = "AzureFunctionsEnterprise"
>> }
[3ms]C: > $URL = "https://generatestorageaccount01.azurewebsites.net/api/newsta"
[12ms]C: > Invoke-RestMethod $URL -Body ( $Body | ConvertTo-Json)
Your new Storage Account has been created: acceptablehate
[48s]C: >
```

@Ba4bes | 4bes.nl Scale

Sku's

Consumption

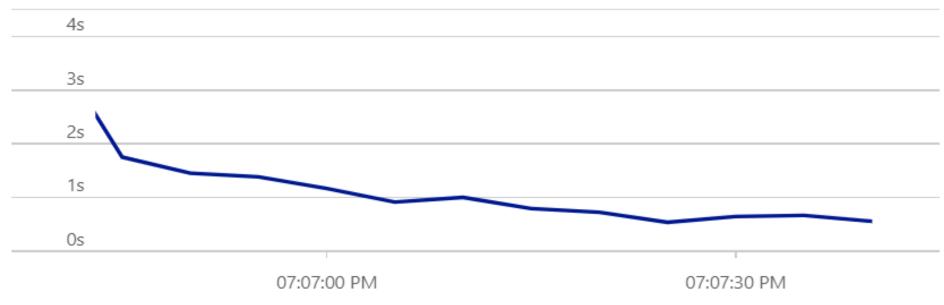
<>

Premium

<>

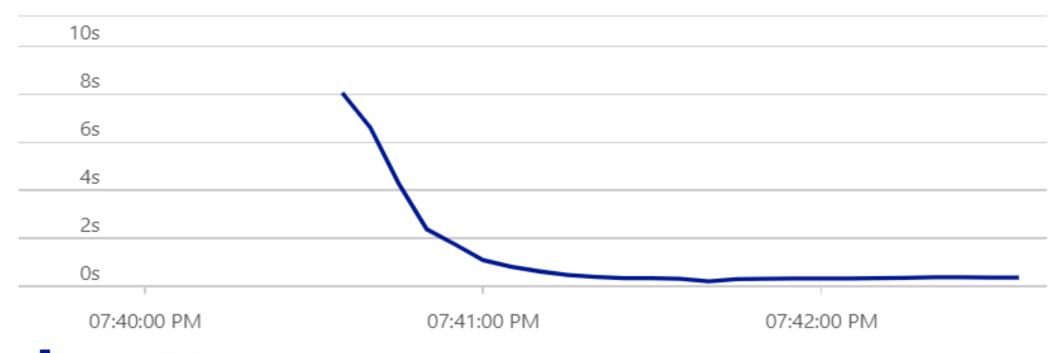
App Service

Response time (successful responses)



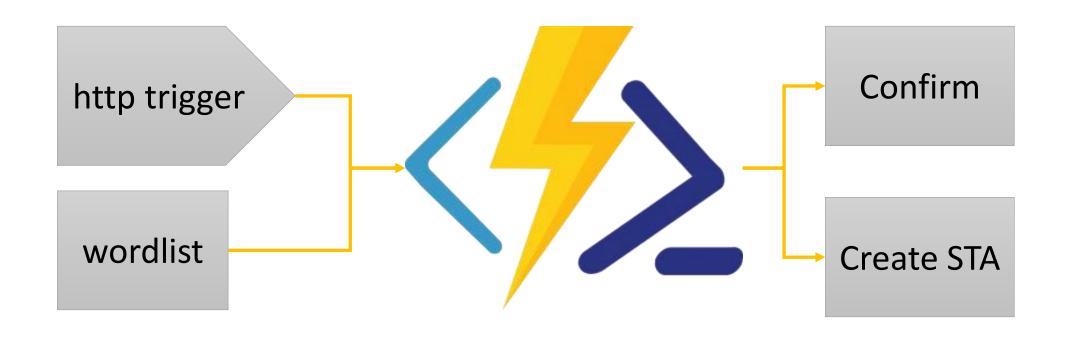
Homepage Pct 90

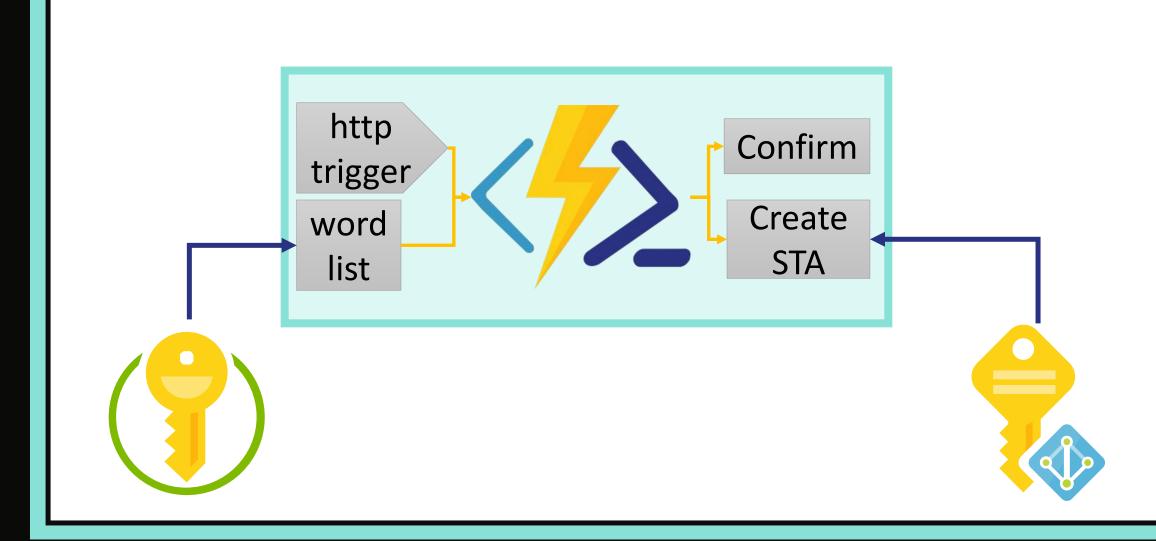
Response time (successful responses)

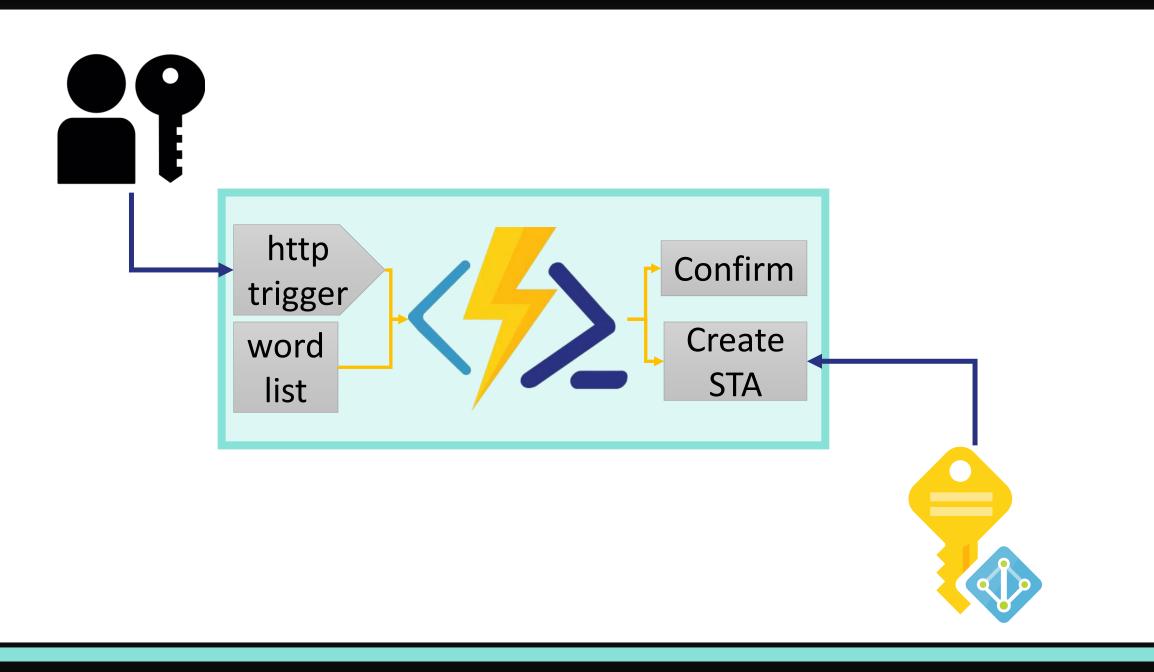


Homepage Pct 90

@Ba4bes | 4bes.nl Security

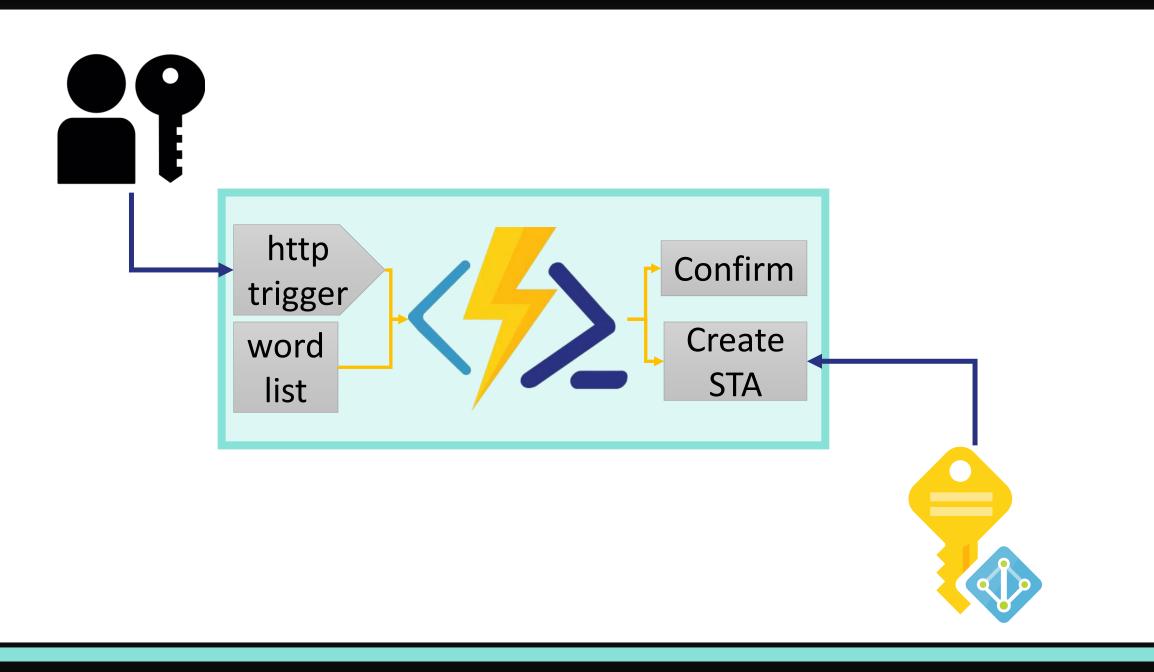


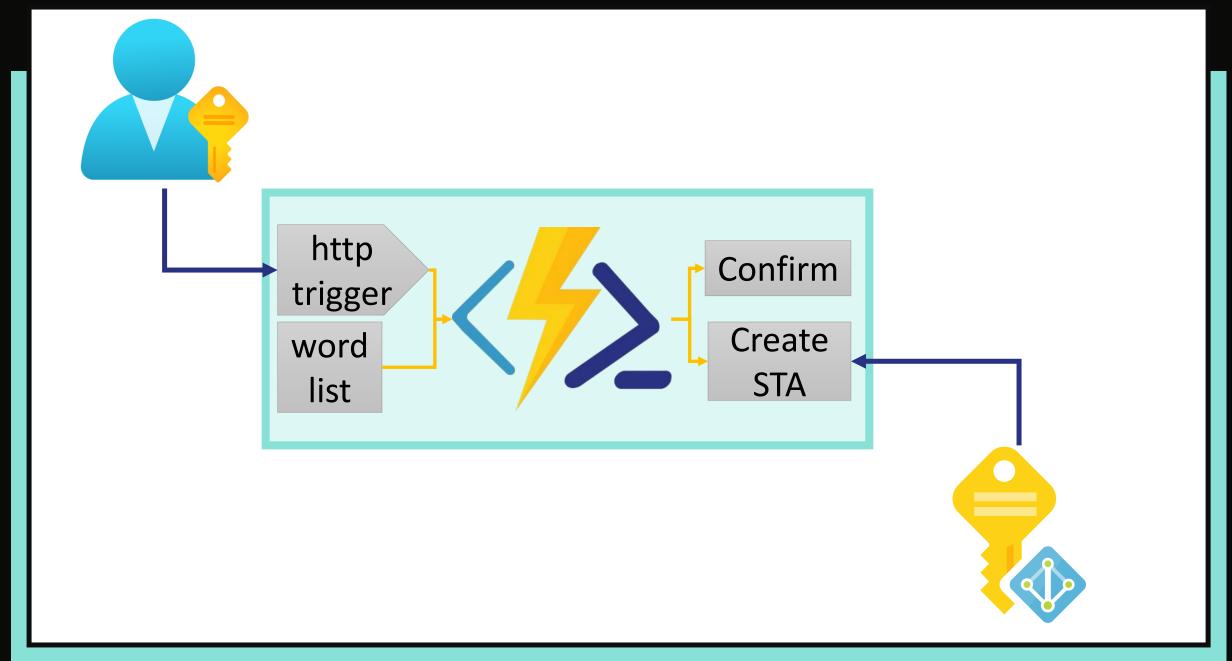




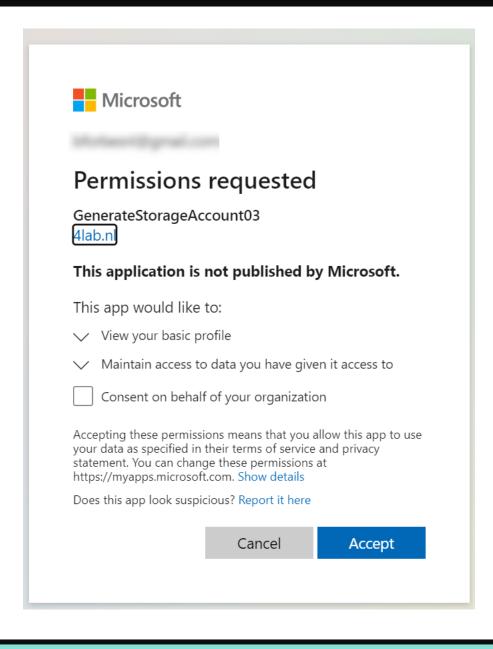
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```

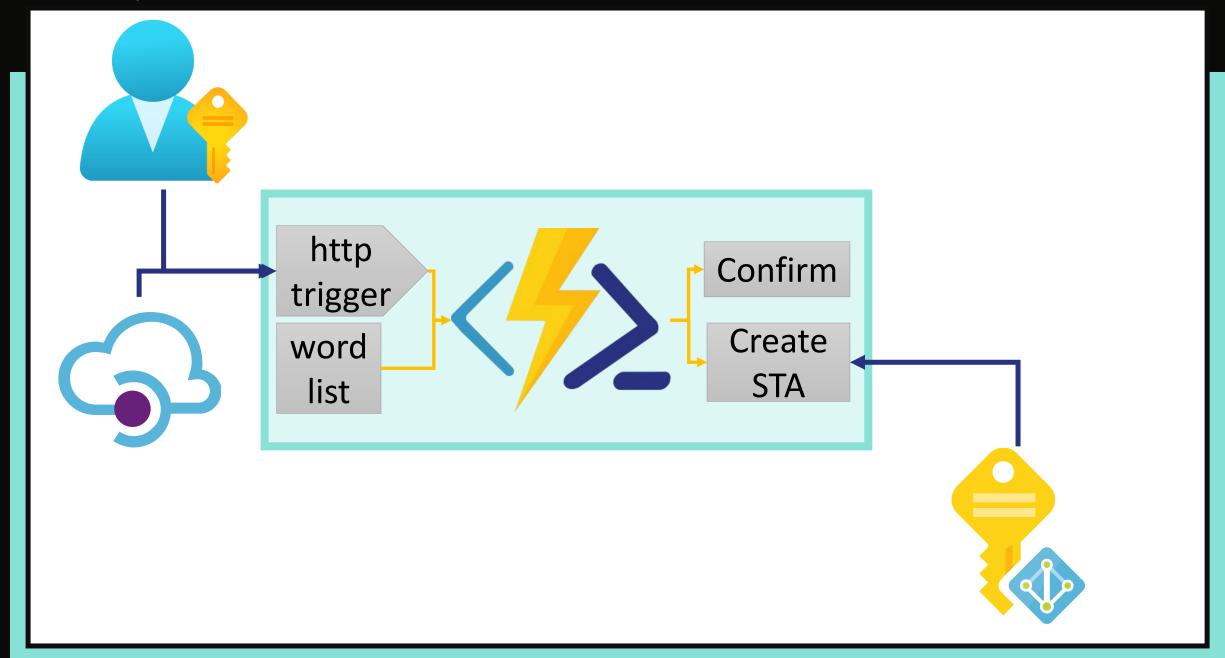
```
PowerShell
[3ms]C: > $Body = @{}
>> ResourceGroupName = "AzureFunctionsEnterprise"
>> }
[1ms]C: > $URL = "https://generatestorageaccount02.azurewebsites.net/api/newsta"
[8ms]C: > Invoke-RestMethod $URL -Body ( $Body | ConvertTo-Json)
Invoke-RestMethod: Response status code does not indicate success: 401 (Unauthor
ized).
[306ms]C: >
```

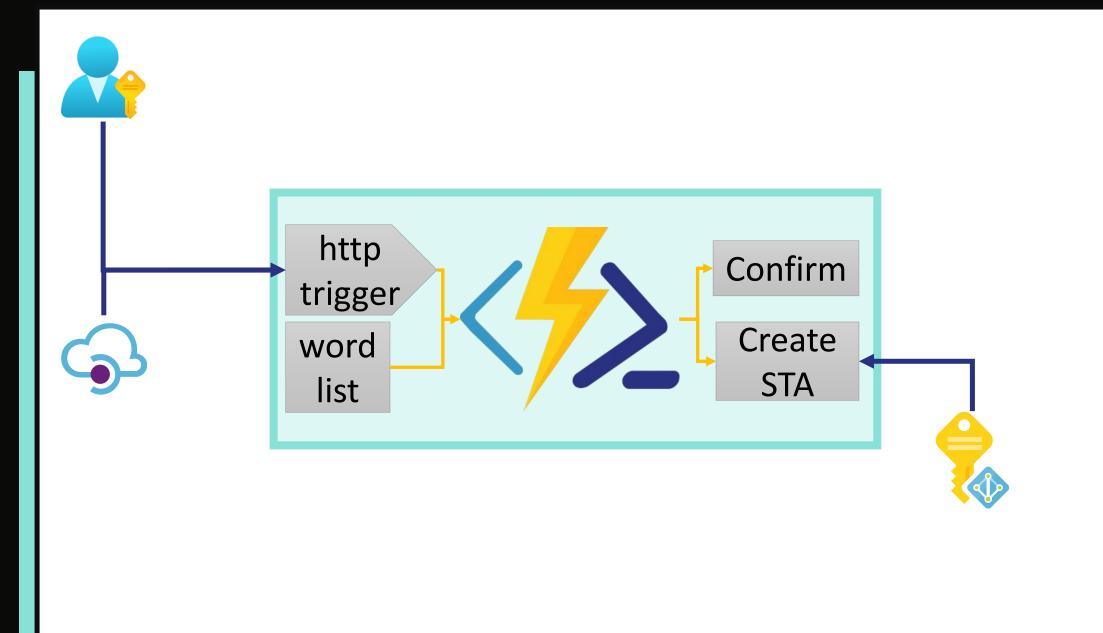




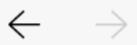
@Ba4bes | 4bes.nl **DEMO**









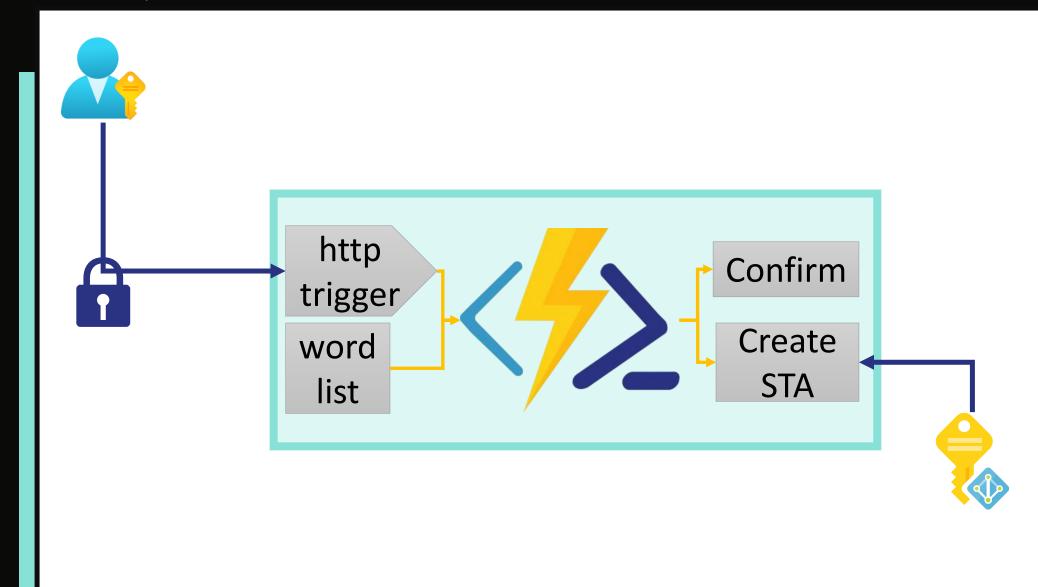


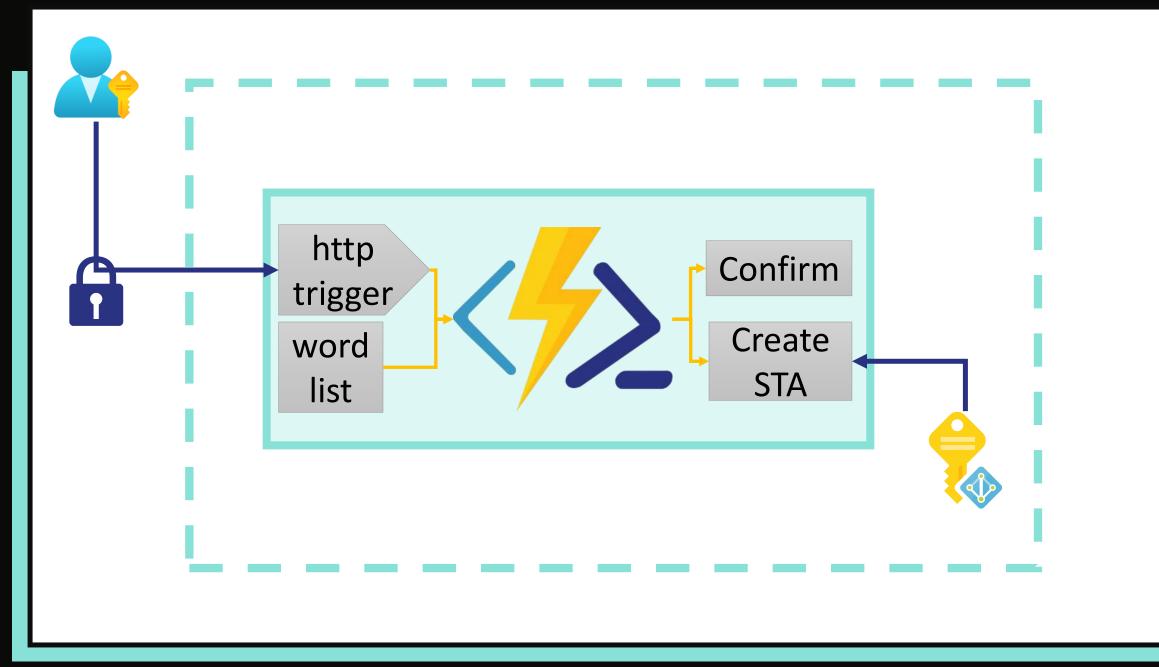


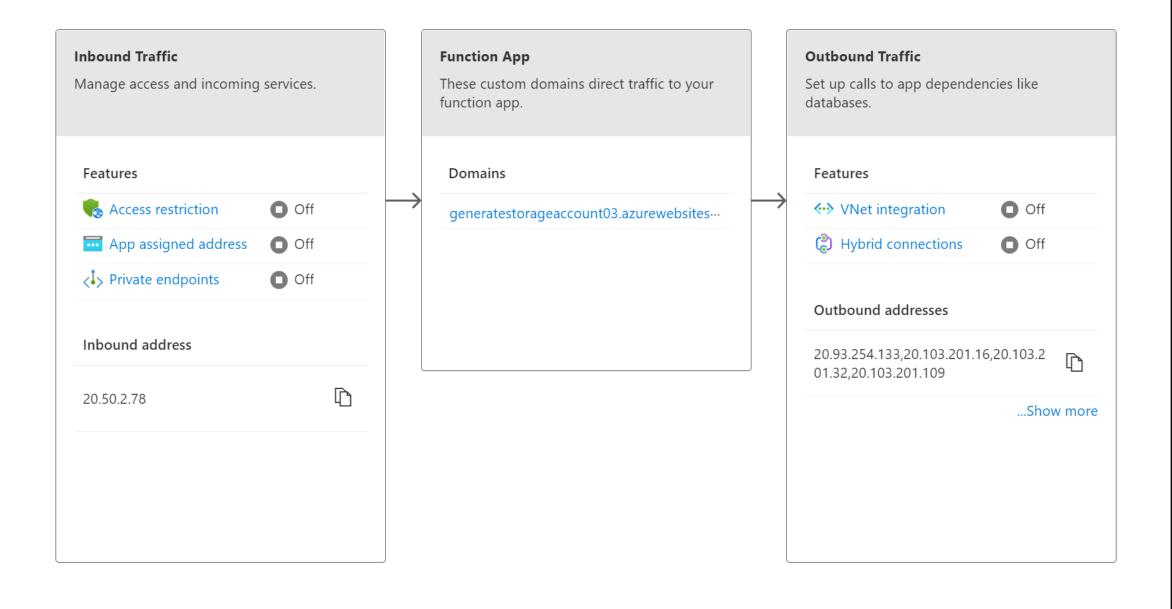


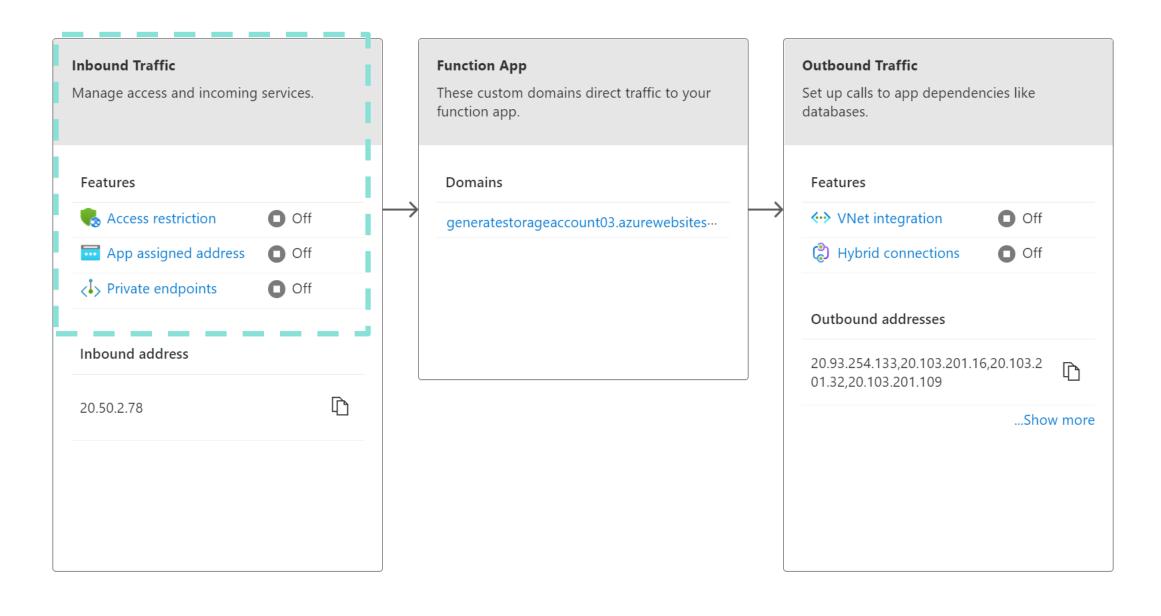
Your new Storage Account has been created: expensivecan

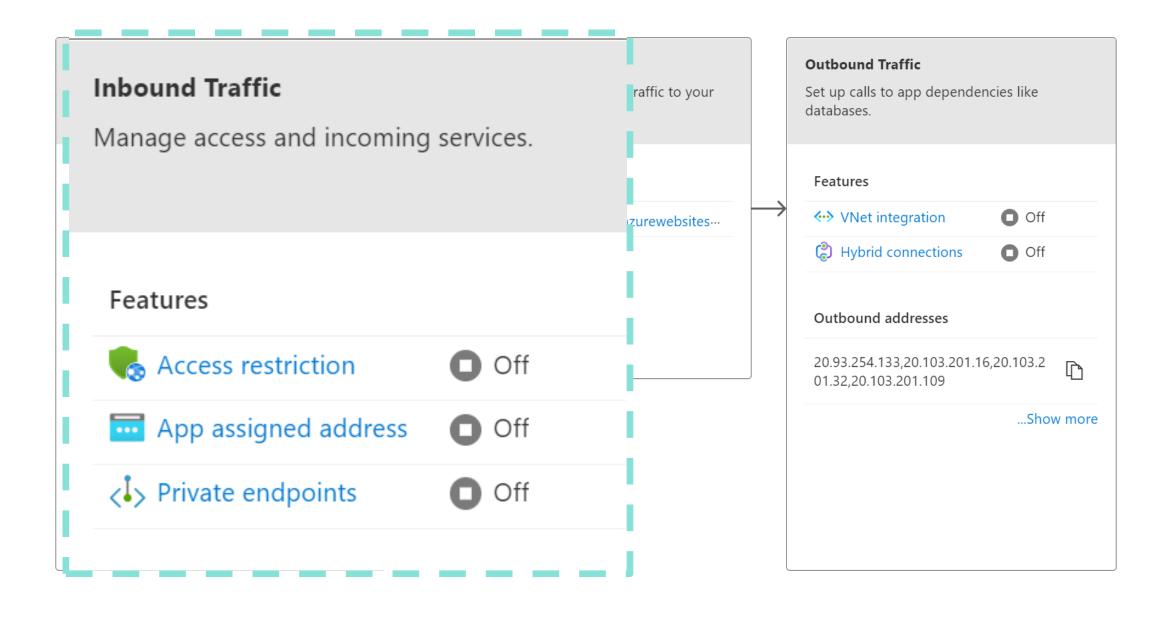




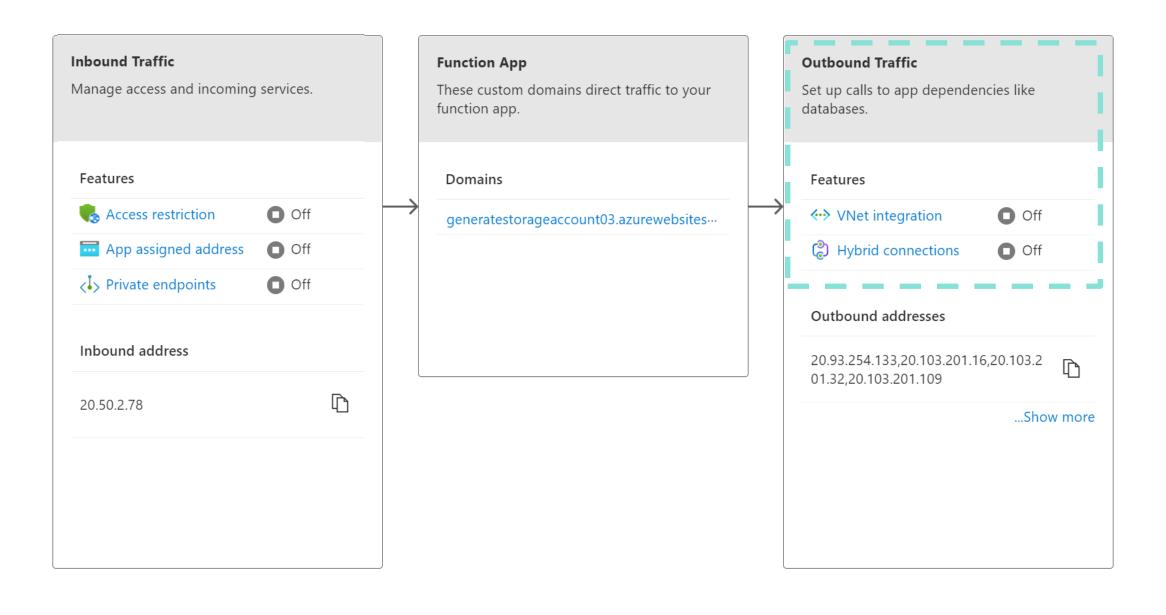


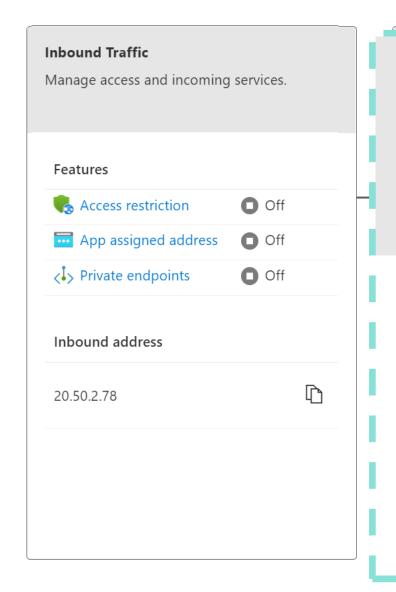












Outbound Traffic

Set up calls to app dependencies like databases.

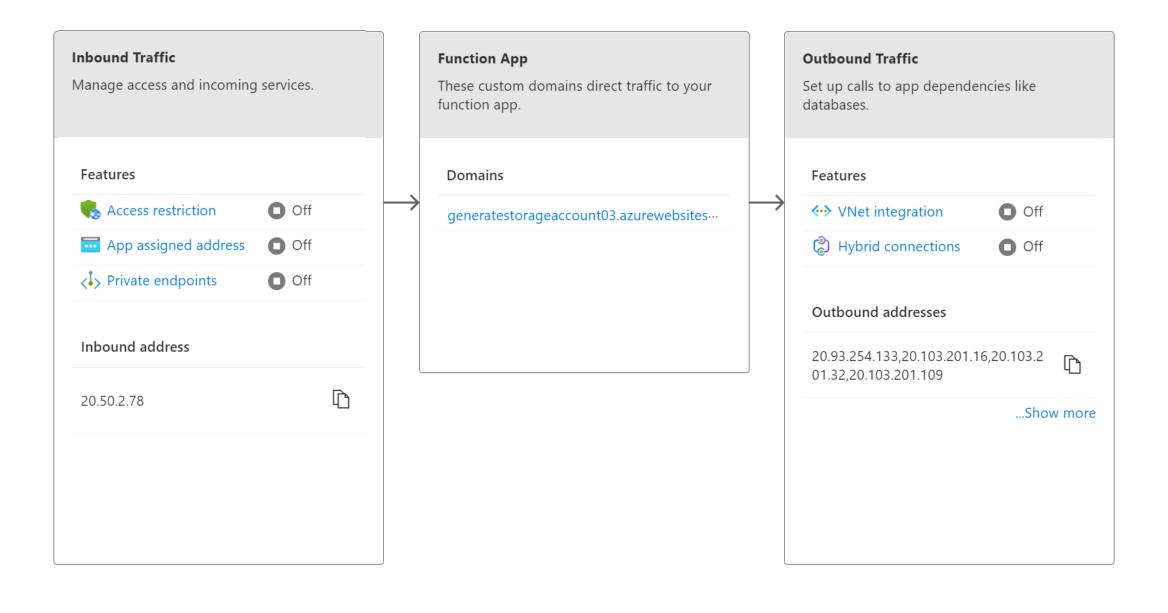
Features

♦ VNet integration

Off

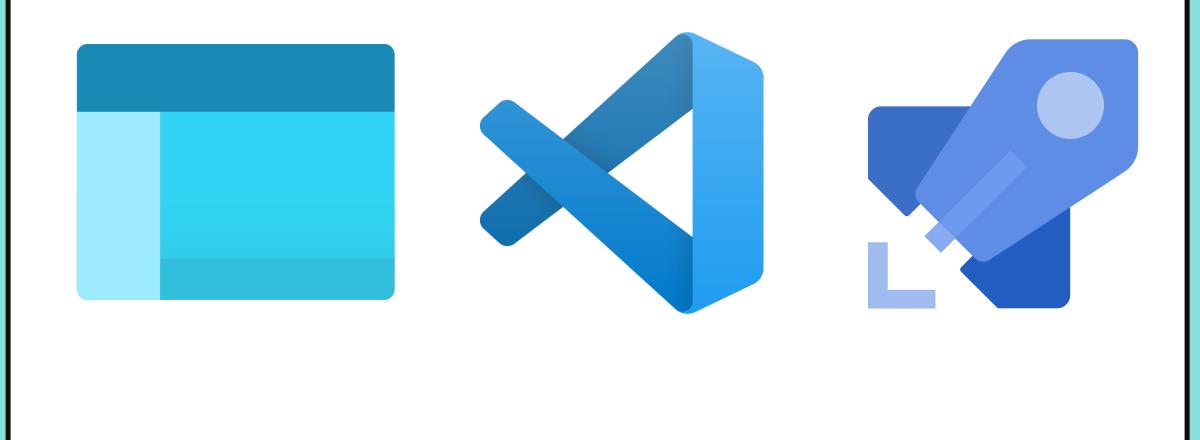
Hybrid connections

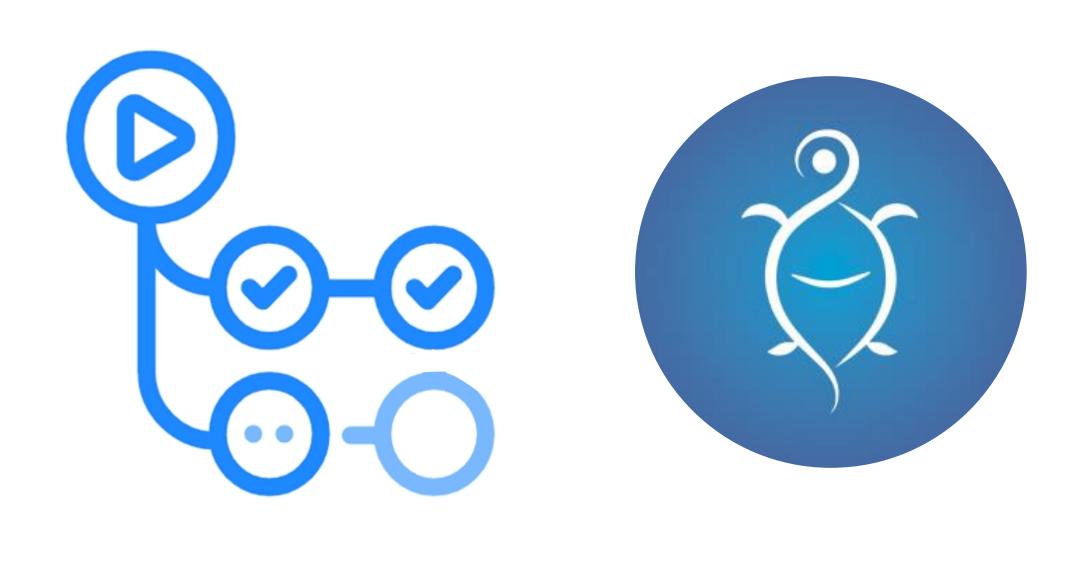
Of

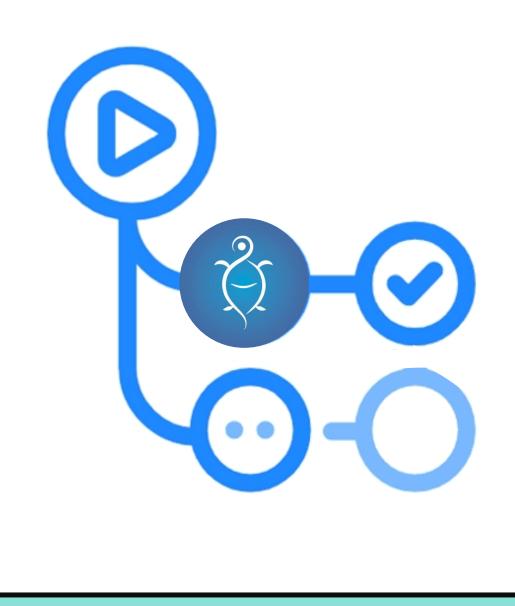


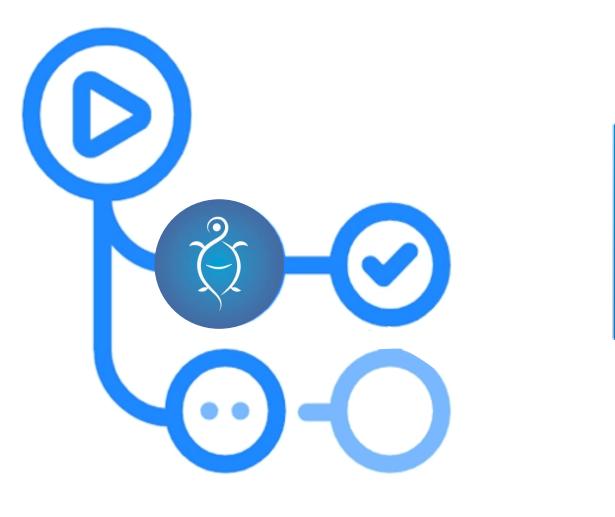
Deployment

Deployment

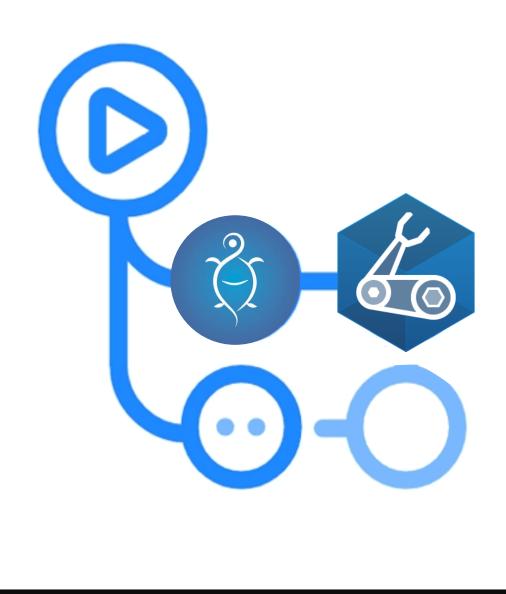






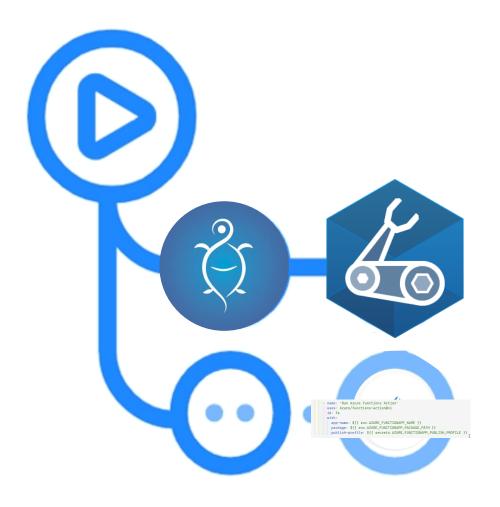


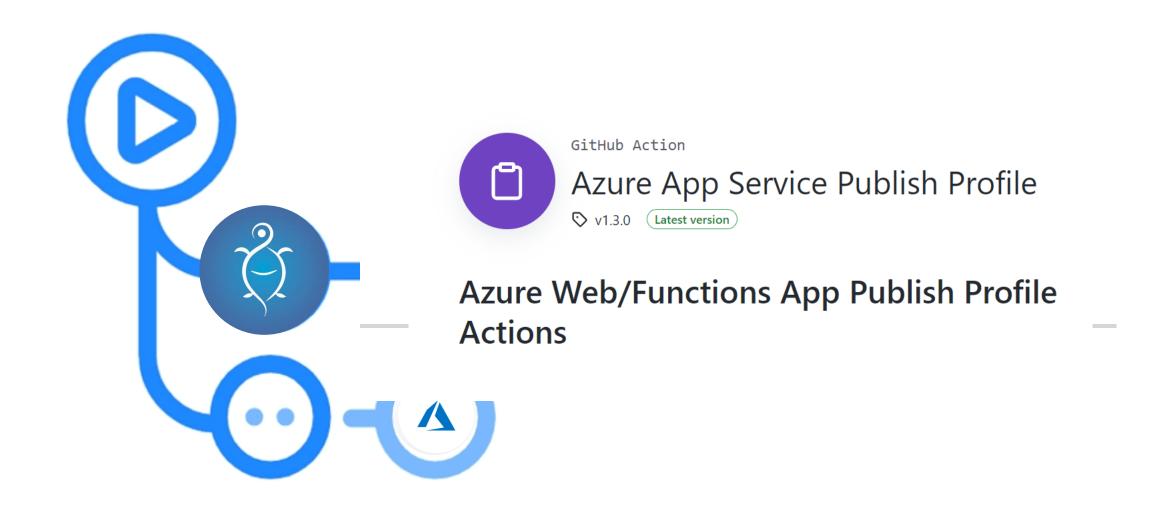


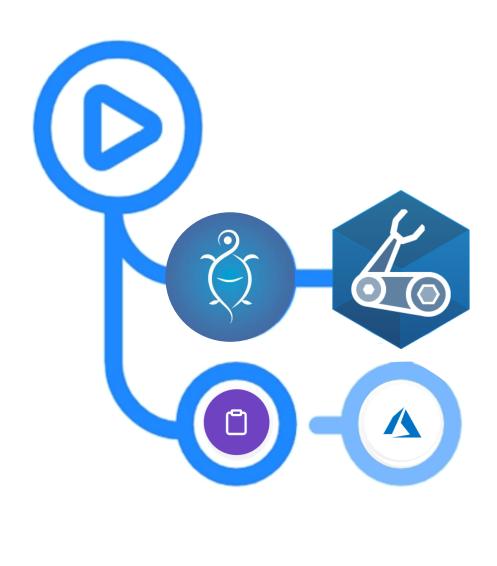


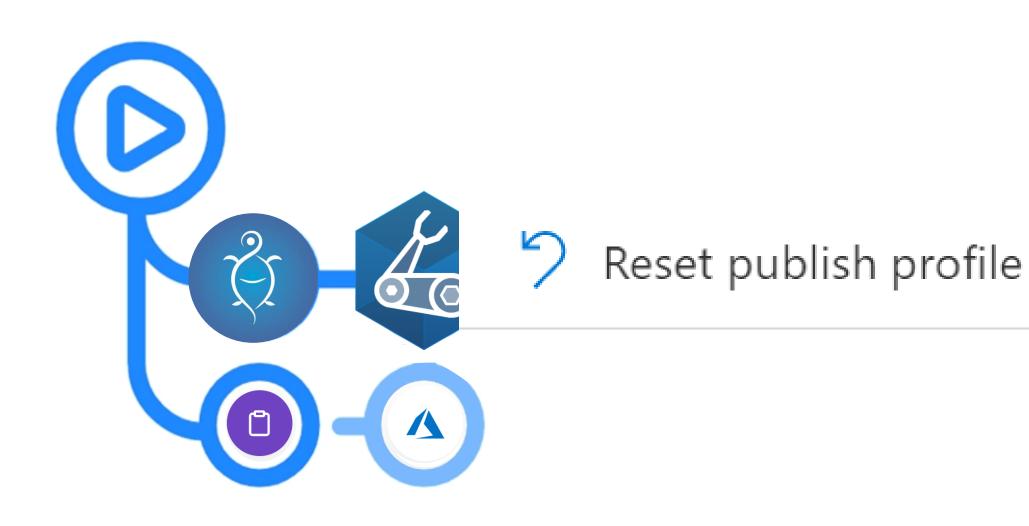


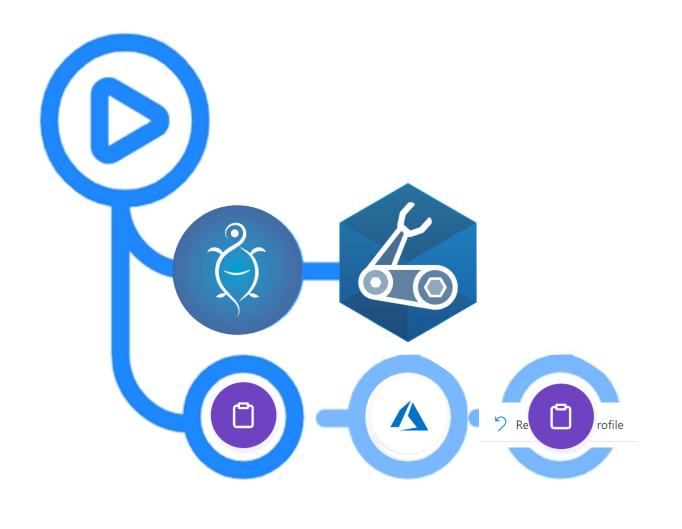
```
- name: 'Run Azure Functions Action'
uses: Azure/functions-action@v1
id: fa
with:
    app-name: ${{ env.AZURE_FUNCTIONAPP_NAME }}
    package: ${{ env.AZURE_FUNCTIONAPP_PACKAGE_PATH }}
    publish-profile: ${{ secrets.AZURE_FUNCTIONAPP_PUBLISH_PROFILE }}
```











- > Build aliencube/publish-profile-actions@v1.2.0
- > Run actions/checkout@v3

- Collect the Publish Profile
- Deploy the Function
- > Reset the publish profile

Other Sessions

Tuesday

2:00 pm \rightarrow 45 min

Emanuel Palm

Push-OutputBinding
'Anything' – Custom
Bindings for Azure Functions

Wednesday

10:00 am \rightarrow 45 min

PowerShell Azure Functions: The Missing Manual

Justin Grote

Azure Functions in an enterprise environment

https://github.com/Ba4bes/AzFunctionsEnterprise

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