**VisugXL event 20/11/2024**

**Session 1: Azure Static Web apps – Too good to be true! (Bart Wullems)**

https:/bartwullems.blogpost.com

20/07/1969 🡪 overal in the world, sitting in front of television because moonlanding

19/11/1969 🡪 niemand paid attention, third man sat foot on the moon, name not known, sad because as amazing as the first ones

08/10/2008 🡪 all streets empty, sitting in front of tv, Windows Azure was born at the pdc conference move tot he cloud

12/05/2021 🡪 niemand seems to care, Azure static web apps was announced

* Fanclub made : Peter Conrad and Static Web Apps fanclub
  + Demo webpage

Different ways to host static websites (without Azure static web apps)

* Server (Azure app service) 🡪 not cheap, not really for websites
* Blob Storage and apart API server for backend 🡪 very cheap
* Reverse Proxy (handles the two things of Blob storage (it’s what static webapps is)

Some examples of supported framworks

* Anger
* React
* Next
* …

Demo (most of today is free)

* Deploy fans site
* Framework used : Astro
* Different hosting plans ( **Free**/Standard/Dedicated)
* Deployment via Github Actions
* One of many ways to deploy a Static Web App
* Microsoft Orix

Configuration Management

* 2 kinds of configuration
  + Static content (file: staticwebapp.config.json)
    - Routing
    - Authentication
    - Authorization
    - ….
  + Backend part
    - Managed through Azure Portal, azure CLI or laC

Deployment

* You don’t need to do this

Environments

* Multiple supported environments:
  + Production (always supported free of payed)
  + Pull request (you can create a new environment for pull request)
  + Branch
  + You can make alsof very specific environments
* Gives lot of flexibility for your webapp

Security (very important)

* Very easy made by Azure Static web apps
* Built-in Authentication
  + Azure Active directory
  + Github credentials
  + You can also use a custom provider (can be anything)
* Authorization
  + 2 built in roles
    - Anonymous
    - Authenticated
  + Link users through
    - Invitations
    - Custom Azure Function

API Integration

* Managed functions
  + Free
  + Microsoft takes care of everithing for example
    - Integrated security
    - Seamless routing
* Manage my functions
  + Link it to another API integration if you don’t want to use the one from microsoft
* You cannot use them both at the same time

Database connections

SWA CLI

* Separate application
* It also simulates the Auzure Proxy
  + Talk to you backend
  + You can do the end to end

Enterprise-Grade Edge

Personal opinion

Interessant info but too much examples for the little time he had (1h)

**Session 2: A Season for Speed: Turning Puzzles into C# Performance Wins (**[**Michaël Hompus**](https://sessionize.com/api/v2/72593dpe/view/GridSmart)**)**