



Dal PC al Cloud in 5 minuti con Azure Static Web Apps

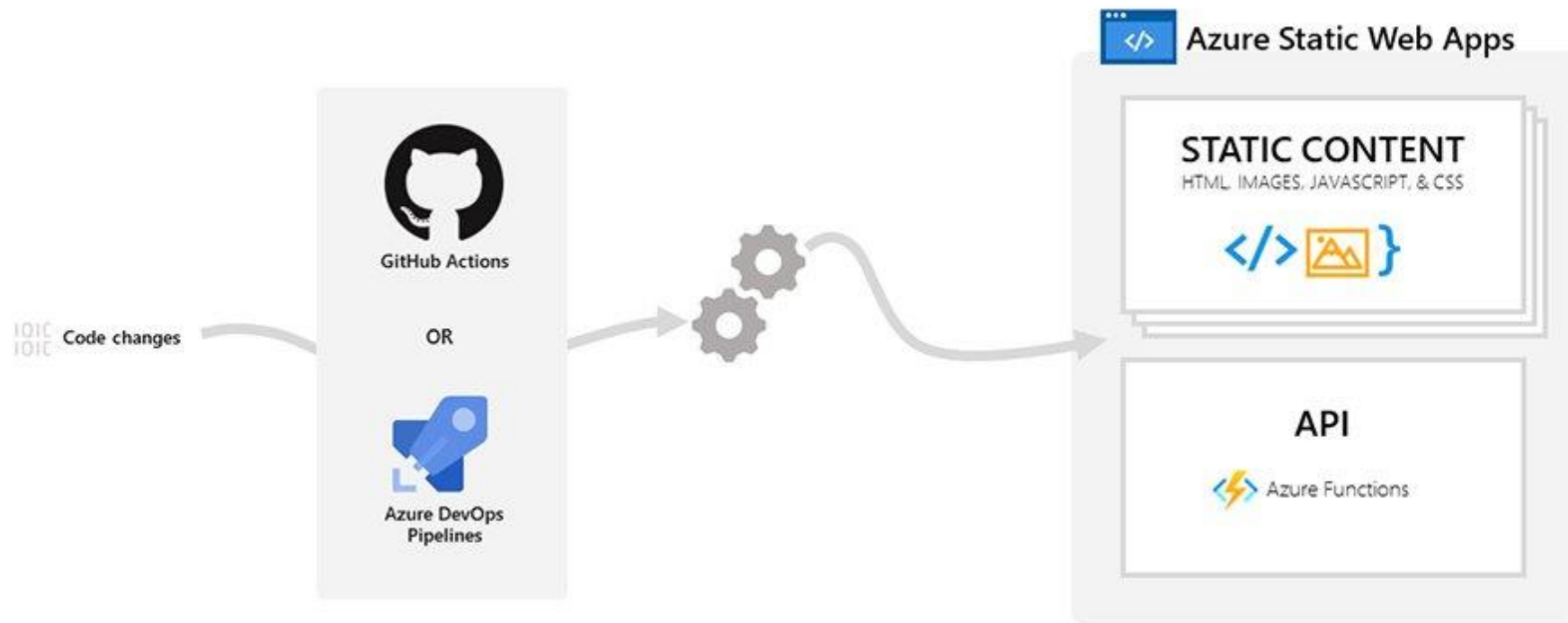
Alberto Mori

Software Developer @ Able Tech srl

Azure Static Web Apps...chi?

"Streamlined full-stack development from source code to global high availability"

(fonte: <https://azure.microsoft.com/en-us/services/app-service/static/>)



Features

Web Hosting per contenuto statico

API Backend con Azure Functions

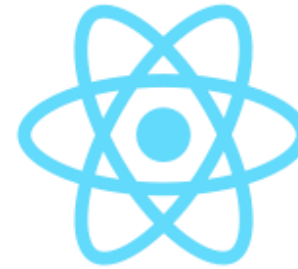
CI / CD integrata con GitHub / Azure DevOps

Distribuite globalmente

Custom domains / Certificati SSL Free

Autenticazione integrata (GitHub, Entra ID)

Ambienti di Staging generati tramite PR



Da dove comincio?

<https://github.com/staticwebdev>



The image shows the header section of a GitHub profile for the user 'staticwebdev'. On the left is a profile picture of a person with brown hair and a yellow face, sitting at a laptop, with a background of green binary code. To the right of the profile picture, the username 'staticwebdev' is displayed in a large, bold, black font. Below the username, there is a location pin icon followed by the text 'The Internet'. At the bottom of the header, there is a navigation bar with five items: 'Overview' (with a house icon), 'Repositories' (with a folder icon and a badge showing '15'), 'Packages' (with a cube icon), 'People' (with a person icon and a badge showing '1'), and 'Projects' (with a grid icon). The 'Overview' item is currently selected, indicated by a red underline.

Configurazione

File `staticwebapp.config.json` posizionato nella folder che contiene il progetto client

Routing

Authentication / Authorization

Regole di Fallback

Override di risposte HTTP

Gestione Headers HTTP

fonte: [Configure Azure Static Web Apps | Microsoft Docs](#)

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Autenticazione

Autenticazione integrata con Entra ID e GitHub

Autenticazione custom basata su OpenID (solo per il piano Standard)

<https://blazordev.it/articoli/azure-b2c-con-blazor-wasm-su-azure-static-web-apps/>

Generazione di un invito tramite Azure portal

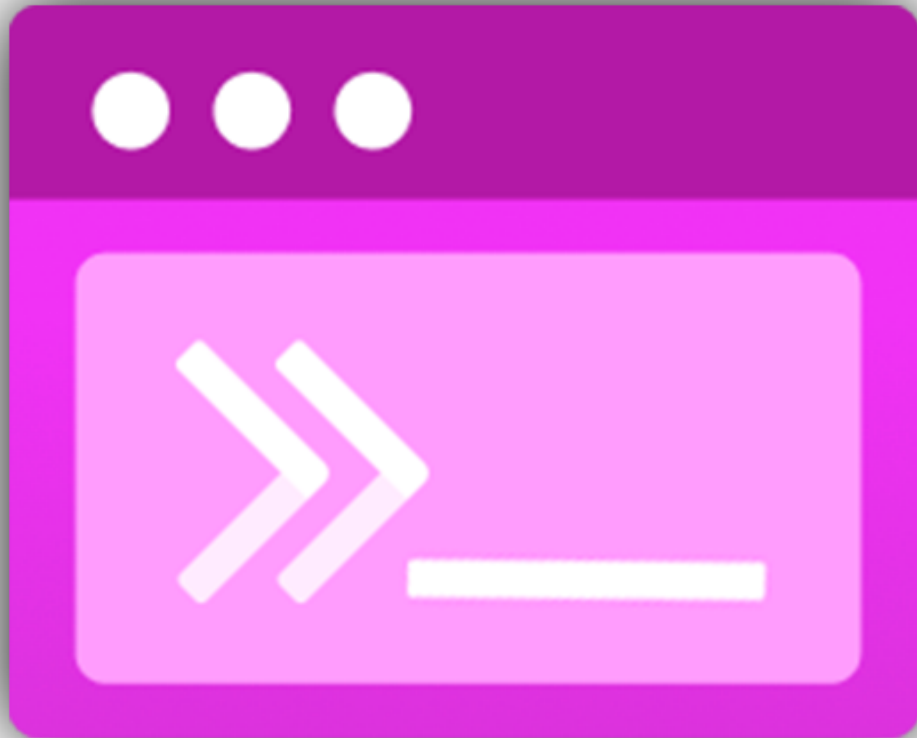
Posso assegnare dei ruoli (*anonymous e authenticated di default*)

Gli endpoint relativi si trovano sotto al prefisso */.auth*

Le informazioni dell'utente vengono passate negli header della richiesta HTTP

Protezione degli endpoint tramite file di configurazione

Azure Static Web Apps CLI



<https://github.com/Azure/static-web-apps-cli>

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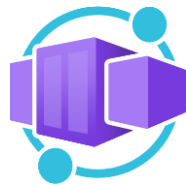
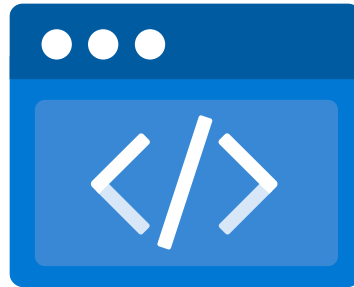
Sia frontend che backend girano su
`http://localhost:4280`

Emulazione Authentication / Authorization

<Demo />



Un backend per tutte le stagioni



<Demo Backend />



Quanto mi costi?



	Free (For hobbies/personal projects)	Standard (For general purpose production app)
Price	Free*	€8.323/per app/month**
Included Bandwidth	100 GB per subscription	100 GB per subscription
Bandwidth Overage	N/A	€0.185 per GB per subscription
Customised Domains	2 per app	5 per app
SSL Certificates	Free	Free
Service Defined Authentication	✓	✓
Customised Authentication	N/A	✓
Storage (Included Qty. / Max Size per Deployment)	0.50 GB / 0.25 GB / per app	2.00 GB / 0.50 GB / per app
Azure Functions ¹	Managed	Managed or Bring your own
Enterprise-grade edge	N/A	€16.202/per app/month
Database connections	Free during public preview	Free during public preview
SLA	N/A	✓

Concludendo

Per siti web statici o applicazioni medio piccole è un ottimo servizio

Gli ambienti di staging tramite PR sono una manna dal cielo

L'autenticazione integrata fa risparmiare un «botto» di tempo (ma ho un limite di 25 utenti)


Posso usare Data API Builder e agganciare un backend in tempo zero

Il debug di static web apps che usano un backend che non sia una Azure Function non è possibile

Grazie a tutti!

Restiamo in contatto!





 <https://www.linkedin.com/in/morialberto>

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 https://t.me/+_kyyKaympJ5kOWQ0

 <https://www.morialberto.it>

 [UGIdotNET - Spike Time](#)

Risorse

Demo: <https://github.com/albx/my-talks/tree/main/2024/AzureMeetupMilano0702>

Azure Static Web Apps docs: <https://learn.microsoft.com/en-us/azure/static-web-apps/>