

# Azure cloud for the web frontend developers

Maxim Salnikov

@webmaxru



**How Azure empowers every frontend developer  
and team on the planet to achieve more**

# I'm Maxim Salnikov

*Developer Engagement Lead at Microsoft*



- Build on web platform since 90s
- Organize developer communities and technical conferences
- Speak, train, blog, and...

@webmaxru

# ...produce and mix some beats



- Built a tool for the real-time BPM count
- Works in any browser on any platform
- No backend, just a static web app
- PWA: installable, offline-ready

<http://localhost:3000>



## What's next?

Share it with the global community

Add some extra features

Still focus on the **frontend** development

# What do frontend developers want from the cloud

## Hosting

- Fast & reliable
- Geo-distributed
- SPA-, SSR-ready
- Custom domains
- Free SSL certificate

## Deployment

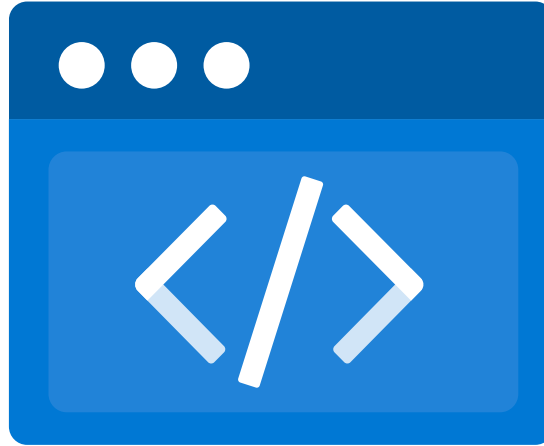
- Fully automated
- Staging environments
- No DevOps skills needed

## Feature helpers

- Serverless API
- Provider-based authentication
- Role-based access control
- Tools for the local development



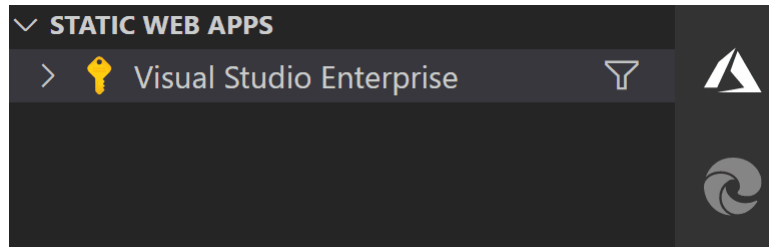
Generous **free** tier



# Azure Static Web Apps

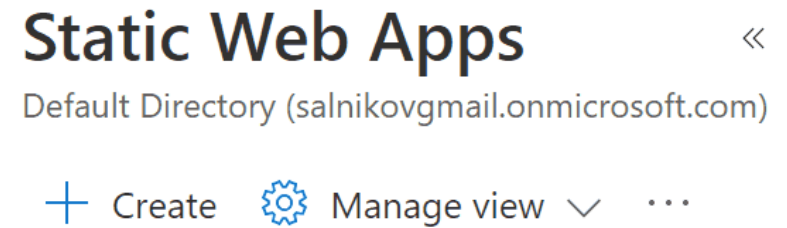
# How to start?

## [VS Code Extension](#)



- or -

## [Azure Portal](#)

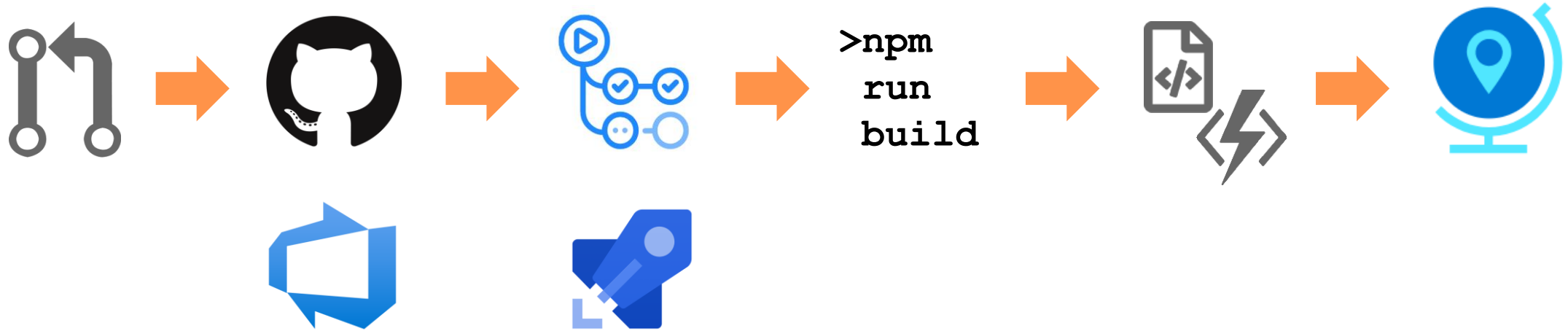


1. Point to the code repository
2. Confirm configuration
3. Three, two, one...
4. App is online



# How to deploy a new version?

1. Code and push to the repo



# How to develop locally?

## Azure Static Web Apps CLI

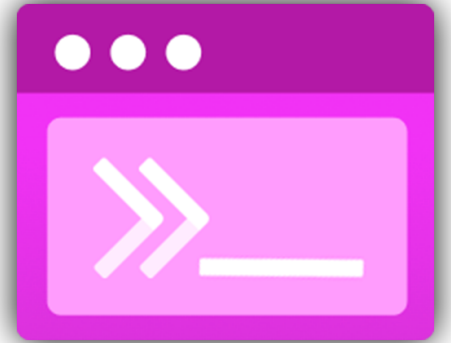
- Web server with the configuration file support
- Emulating authentication and authorization
- Serving or proxying to API requests

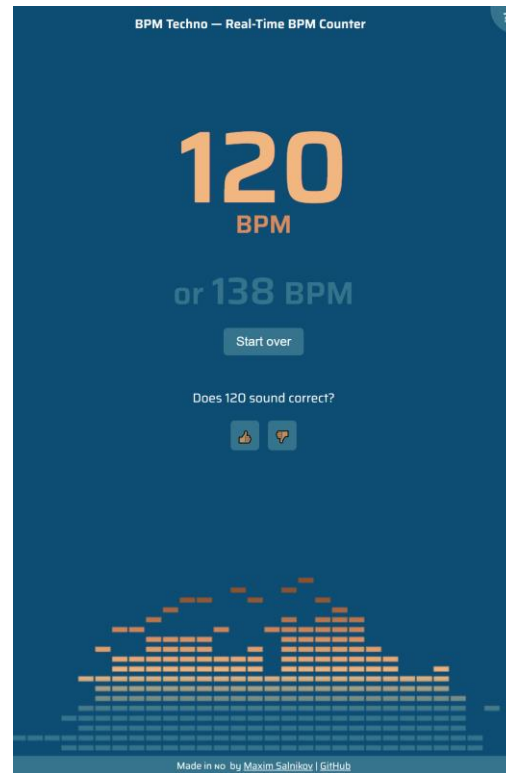
```
npm install -g @azure/static-web-apps-cli
```

```
swa start [app dist folder or url] \  
--run "[command to start dev server]" \  
--api [functions folder or url]
```

## Start full dev environment for React

```
swa start http://localhost:3000 --run "npm start" --api ./api
```





**Demo time!**

# How to continue learning?

[aka.ms/swa-learning](https://aka.ms/swa-learning)

Step-by-step learning paths on deploying and configuring your apps in Azure Static Web Apps

[aka.ms/swa-docs](https://aka.ms/swa-docs)

Detailed documentation, how-to guides

[aka.ms/swa-demo](https://aka.ms/swa-demo)

Real-world React application example with the API, routes, authentication



# Thank you!

Let's stay connected

[Maxim.Salnikov@microsoft.com](mailto:Maxim.Salnikov@microsoft.com)

Twitter: <https://twitter.com/webmaxru>

LinkedIn: <https://www.linkedin.com/in/webmax/>