



Today, we're going to talk about a cool service, called **Azure Static Web Apps (SWA)**.

I guess it's related to static web applications?

Yes, It is.

**SWA** is a service that automatically generates and deploys applications (App.) from a code repository.

Like **Azure DevOps** or **GitHub** ?

Absolutely.

You just need to configure your CI/CD pipelines and your application will be built and released directly on your SWA.

Great, that sounds super simple.

But it is.

It's perfect for hosting static content such as HTML, CSS, JavaScript or images.

Does it support modern applications with JavaScript libraries like Angular, React or Vue ?

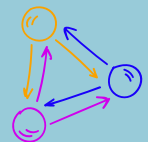
The answer is yes !

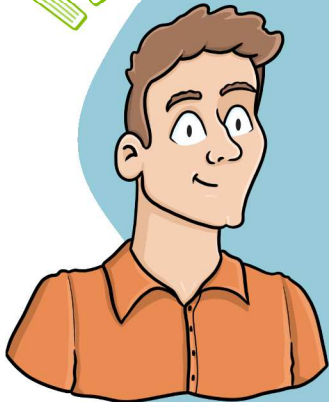
You can also use Blazor to create WebAssembly Apps. to which you can associate a backend like **Azure Function**, for example.

But also publish static sites with frameworks like Gatsby.

Or deploy Apps. with Frameworks like Next.js and Nuxt.js.

It's my friend Rémi, Frontend developer who will be happy!





Depending of your use case, Microsoft offers **2 hosting plans**:

The first one, the **free plan**, which is more dedicated to tests or personal projects.

The second one, the **standard plan**, with more features is ideal for production environments.

Nice!

Earlier you were talking about backend with Azure Function, can we use other services?

Of course !

You can also integrate your SWA with **API Management**, **App Service** and even containers like **Azure Container Apps**.

And in the future, you will be able to establish connections with **DBs**.

Awesome!



Another cool thing is **Environments**.

They are temporary and they simply allow you to host a version of your application when you make a **Pull Request**.

So you can visualize your App. before publishing it on your Production environment?!

Effectively.

At network level, as the SWA service is a **global** one, it cannot be integrated into a VNET.

But, if needed, you can use the **Private Endpoint** to consume it privately.

And I assume it is possible to configure a **custom domain** ?



For a web service, this is mandatory.

By the way, you can use either **Azure DNS** or your **own DNS provider** to publish your domain.

And concerning security purposes?

Good question.

You can get a **free TSL certificate** that can be renew automatically.

SWA supports integration with **authentication providers** like Azure Active Directory or GitHub.

Awesome !

I even saw that Facebook, Twitter or Google are also supported!

And if I want to block a provider that I don't use, is that possible?

No problem.

In addition, you can protect your App. hosted on SWA with **Azure Front Door (AFD)** by adding custom Firewall rules or using Microsoft's ones.

I love it!

This will allow you to limit access to your SWA, so **all** the **traffic** will come **from** your **AFD**.

But that's not all,

You will be able to activate **Azure CDN**, to cache the content of your site.

Nice. It's really useful to redirect consumers near to the closest point of presence. And of course it will **improve** the **user experience**.

You got it!

Once again, it's a fairly easy service to implement, which also offers many great features and integrations.

Thank you!



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See you soon!

