Controlling My Home Sauna Using .NET 5

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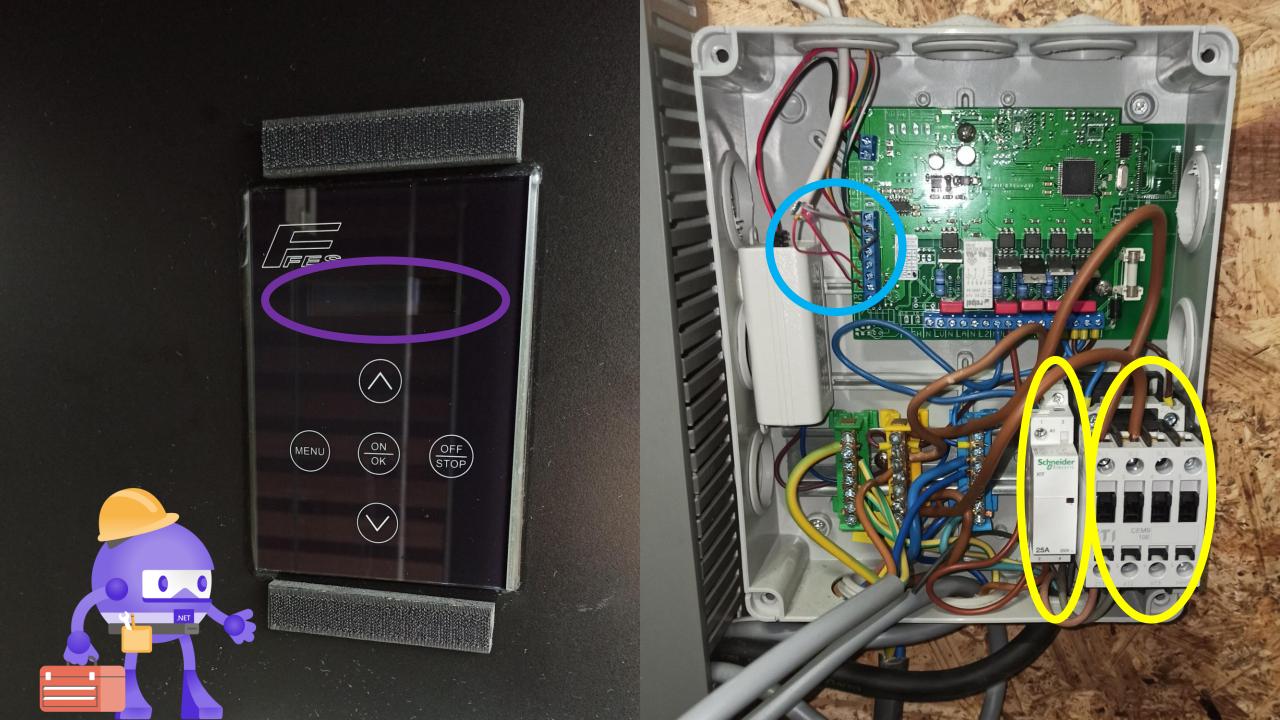
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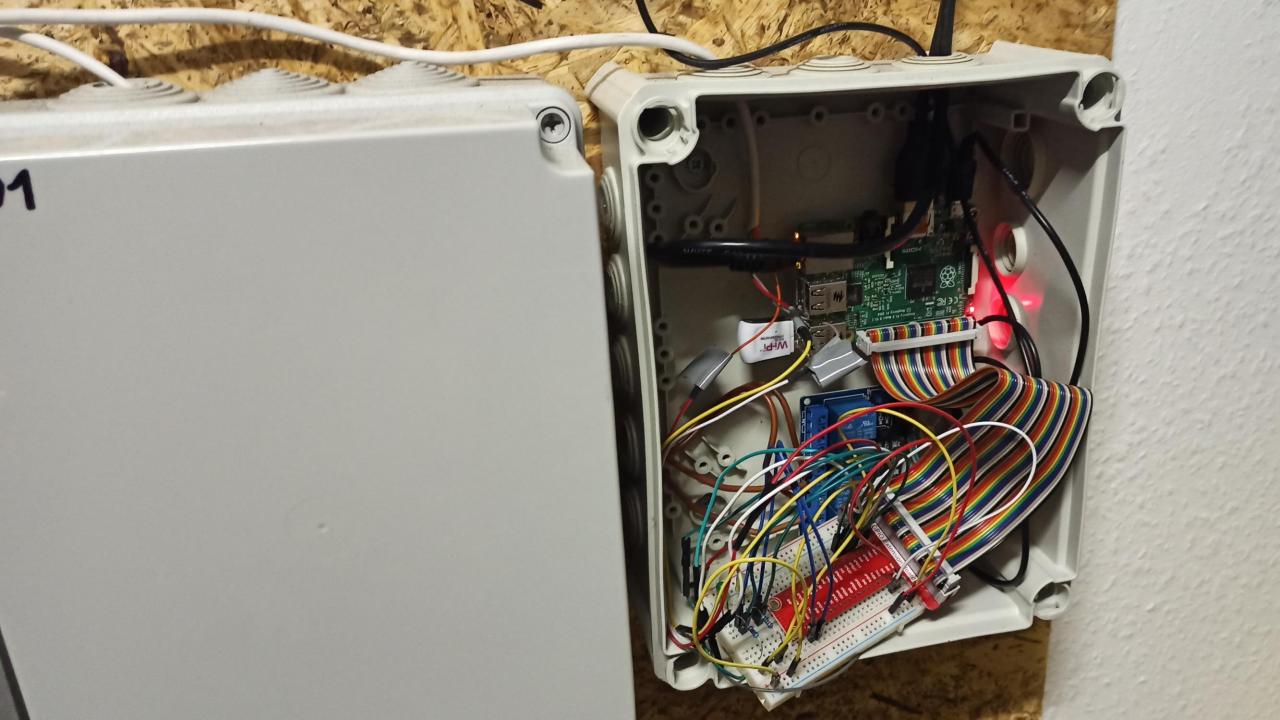


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Architecture



 You want to connect any device to your server to fetch and provide all kinds of data?

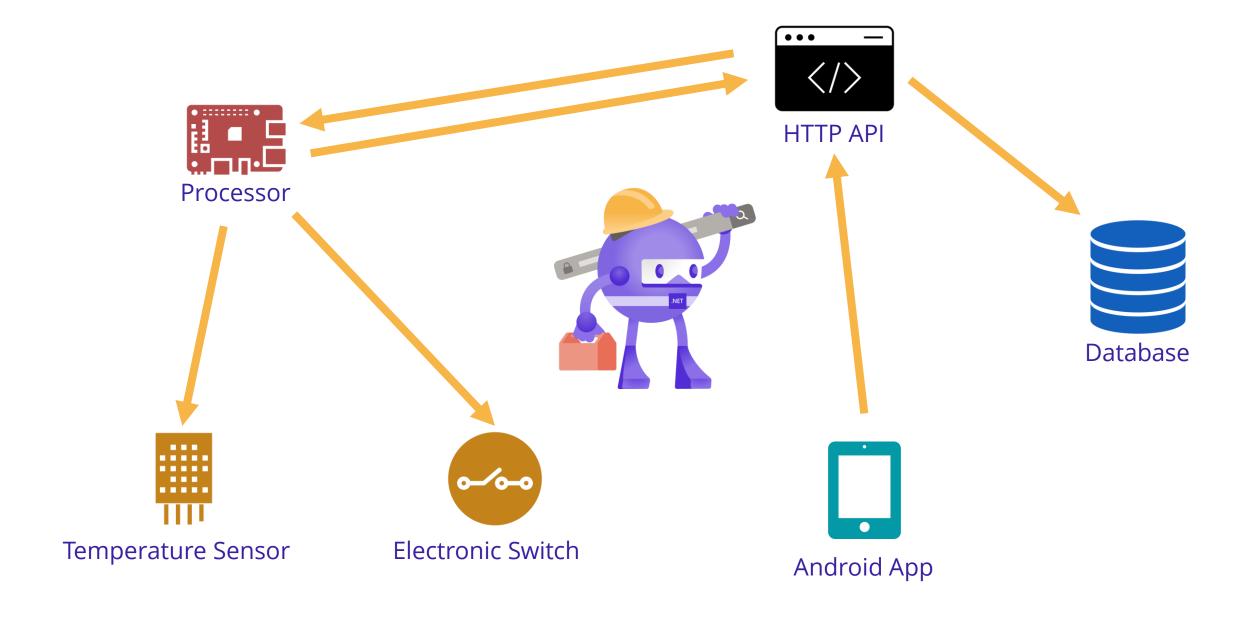
ASP.NET WebApi for HTTP API's

 You want to run a continues process that is able to read live temperature and react on that?

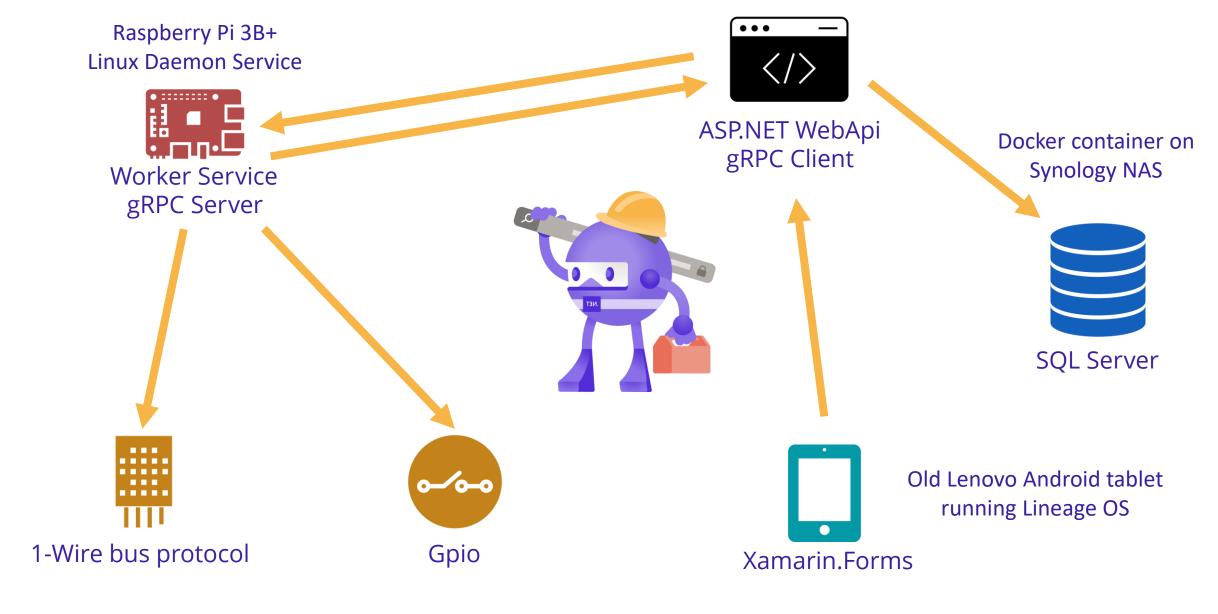
Worker Services for processing (Windows Service or Linux Daemon)

- You want to read sensors and switch relays?
 - NET 5 runs on a Raspberry Pi ARM64 with a Linux OS and Gpio support!

- You want a beautiful app on Android or iOS?
 - Xamarin.Forms, based on the Mono runtime and written using C# and XAML can make that work for you!



Docker container on Synology NAS



Demo & Code



Deployment



Azure DevOps and GitHub

- Changes on GitHub
- Pipelines on Azure DevOps
- Deployed on my local network
- Azure DevOps Pipeline Agents

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https://github.com/Djohnnie/MySauna-DotNetConf-2020

https://github.com/Djohnnie/MijnSauna



Thanks for joining!

