

Automate UI5 app deployments using GitHub

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June 17th, 2021



ON AIR 
UI5con

Agenda

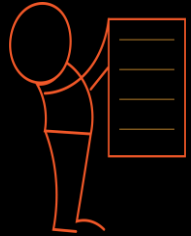
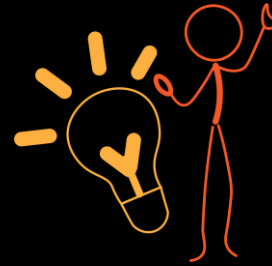


Current setup: Deploying OpenUI5 applications

- Deploying to SAP BTP and SAP ABAP environments
- Challenges with current setup

Automating deployments using GitHub

- How “ui5-deploy” & GitHub actions work
- Configuring it for your project



Seeing our GitHub “action” in action

- Live Demo



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Deploying UI5 apps

Challenges with current setup

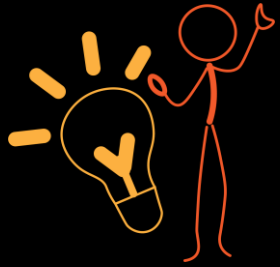


The need for better deployment strategy

Challenges with current setup

- **Designed to work with WEB IDE & SAP Business Application Studio.**
 - Limited options if your preferred IDE is something like VSCode
- **Manual to a large extent**
 - Integration to GitHub workflows & other development workflows is difficult if you have your own setup
- **Managing multiple environments is tricky**
 - If your organization doesn't have an elaborate DevOps infrastructure, things aren't so simple.



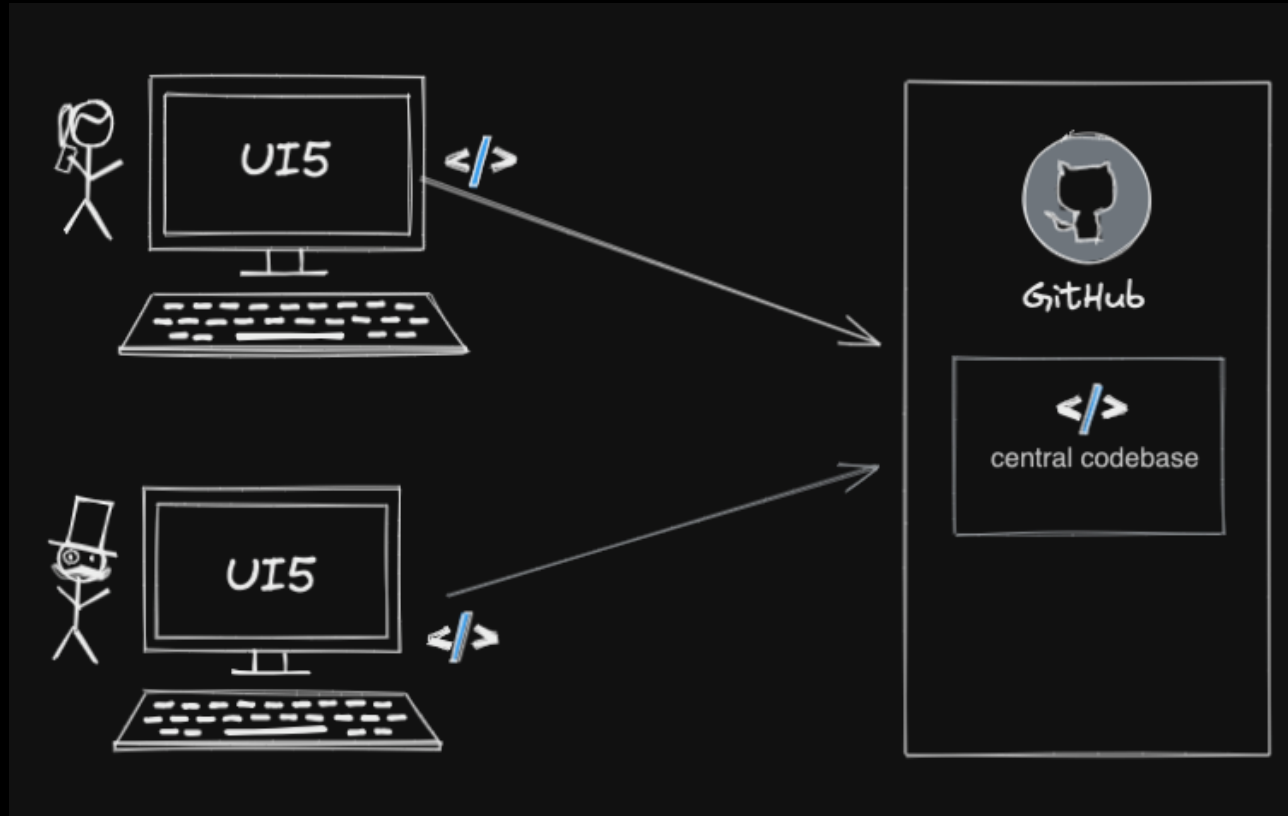


Automating UI5 deployments (using ui5-deploy GitHub action)



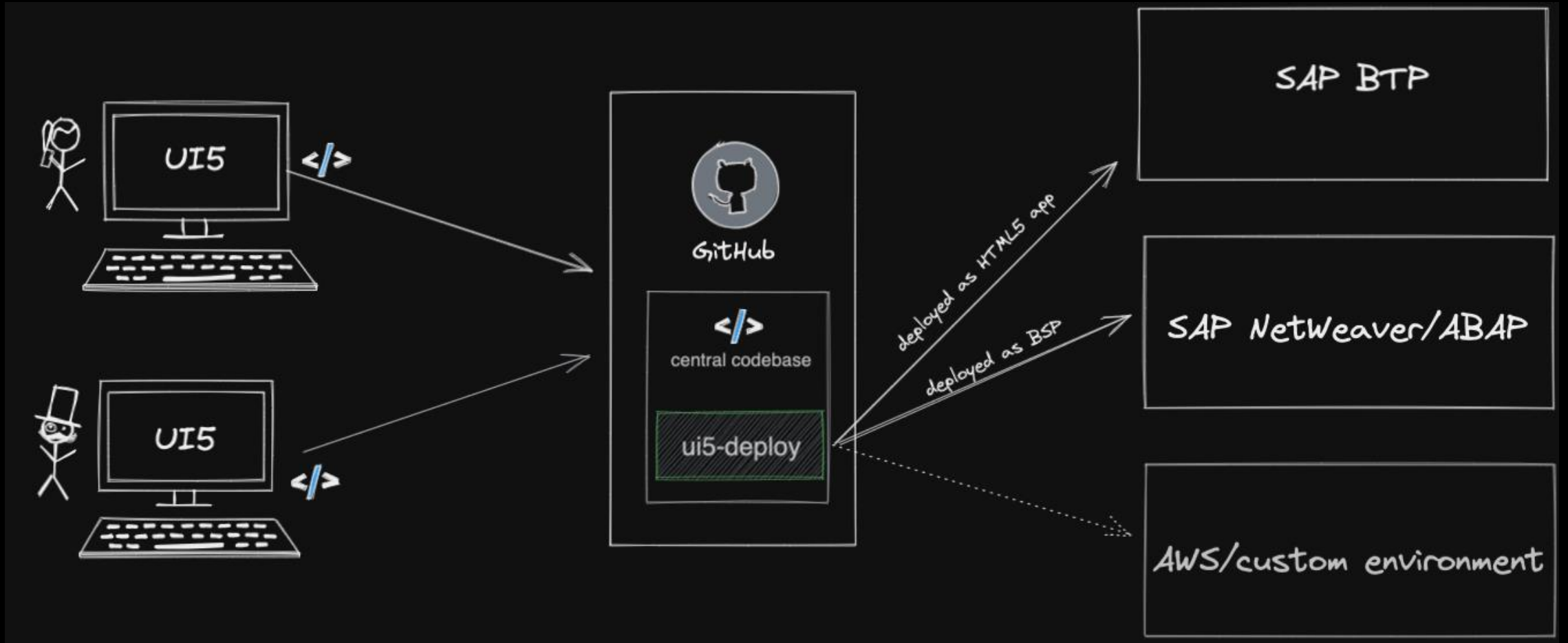
How does it work?

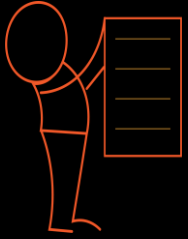
Development workflow with GitHub



How does it work?

Automating deploy with “ui5-deploy” GitHub action





Live Demo

(Let's see the action in action)



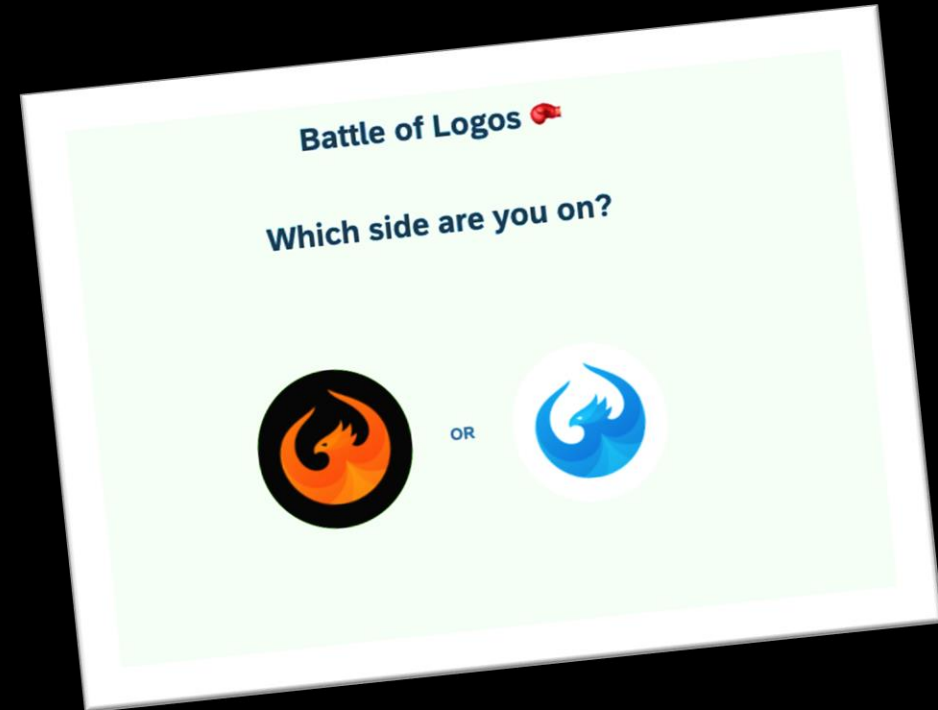
The poll that matters!

Yes - We're going to attempt a live demo :D



Pick your tribe

firevswater.integrtr.com



How it's helpful?



- ✓ **One-time setup**
 - *(setup deployment for your new project over a coffee)*
- ✓ **Free & Open-Source !**
- ✓ **Centralized access & branch-based deployment rules**
 - *(allow collaboration without sharing your secrets)*
- ✓ **Build & deploy faster**
- ✓ **Deploy to multiple environments in a single go**
 - *(same app on multiple BTP, ABAP systems)*
- ✓ **On-demand deployment capabilities**
- ✓ **Leverage other GitHub actions + awesome community projects**
 - *(extend for your custom setup)*

What next?

References and Further Reads

Other GitHub Actions that can enhance your projects:

- ESLint, automated testing scripts, and many more

Try it out yourself:

- GitHub Action: <https://github.com/marketplace/actions/ui5-deploy>
- Boilerplate used: <https://github.com/integrtr/ui5-boilerplate>
- Reference application (web): <https://firevswater.integrtr.com>
- Reference application (code): <https://github.com/integrtr/ui5-firevswater>



Thank You!

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