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Seamless Integration: Crafting the Perfect UI5 Development Environment

Marian Zeis (Independent Consultant)

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for my use case

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Motivation

Developing open source package “UI5 Spreadsheet Importer”

Package is developed as UI5 Component

Developing Environment with Component with 20+ UI5 Apps

Mock Server with CAP

Using external npm Packages “SheetJS”

Negativ

- Workflow was to build Component after every change
- Difficult to implement like in production
- Every UI5 Apps executing seperat, need to make sure different ports

User Story

As a **developer**,

I want to effectively utilize different components and services in my local development environment, including npm packages, CAP and ABAP services and custom libraries.

So that I can efficiently develop, test, and deploy a UI5 application integrated with CAP and ABAP services.

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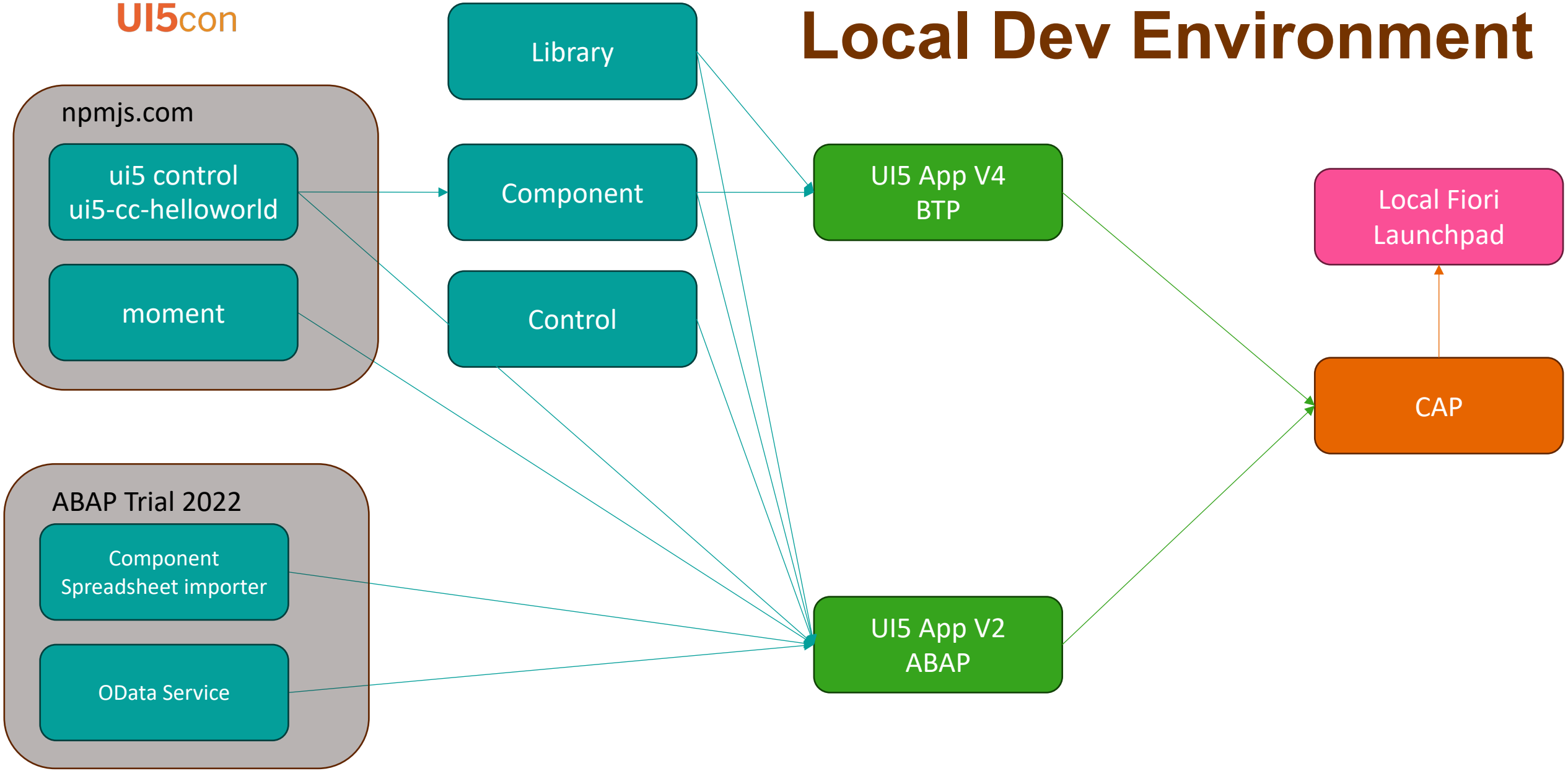
Local Dev Environment



Tooling

ui5-middleware-livereload
ui5-middleware-serveframework
ui5-middleware-simpleproxy
ui5-middleware-ui5
ui5-tooling-modules
ui5-tooling-transpile
@ui5/ts-interface-generator
babel-preset-transform-ui5
ui5-task-zipper
cds-launchpad-plugin
cds-plugin-ui5
wdio-ui5-service
@ui5/cli
@sap/ux-ui5-tooling

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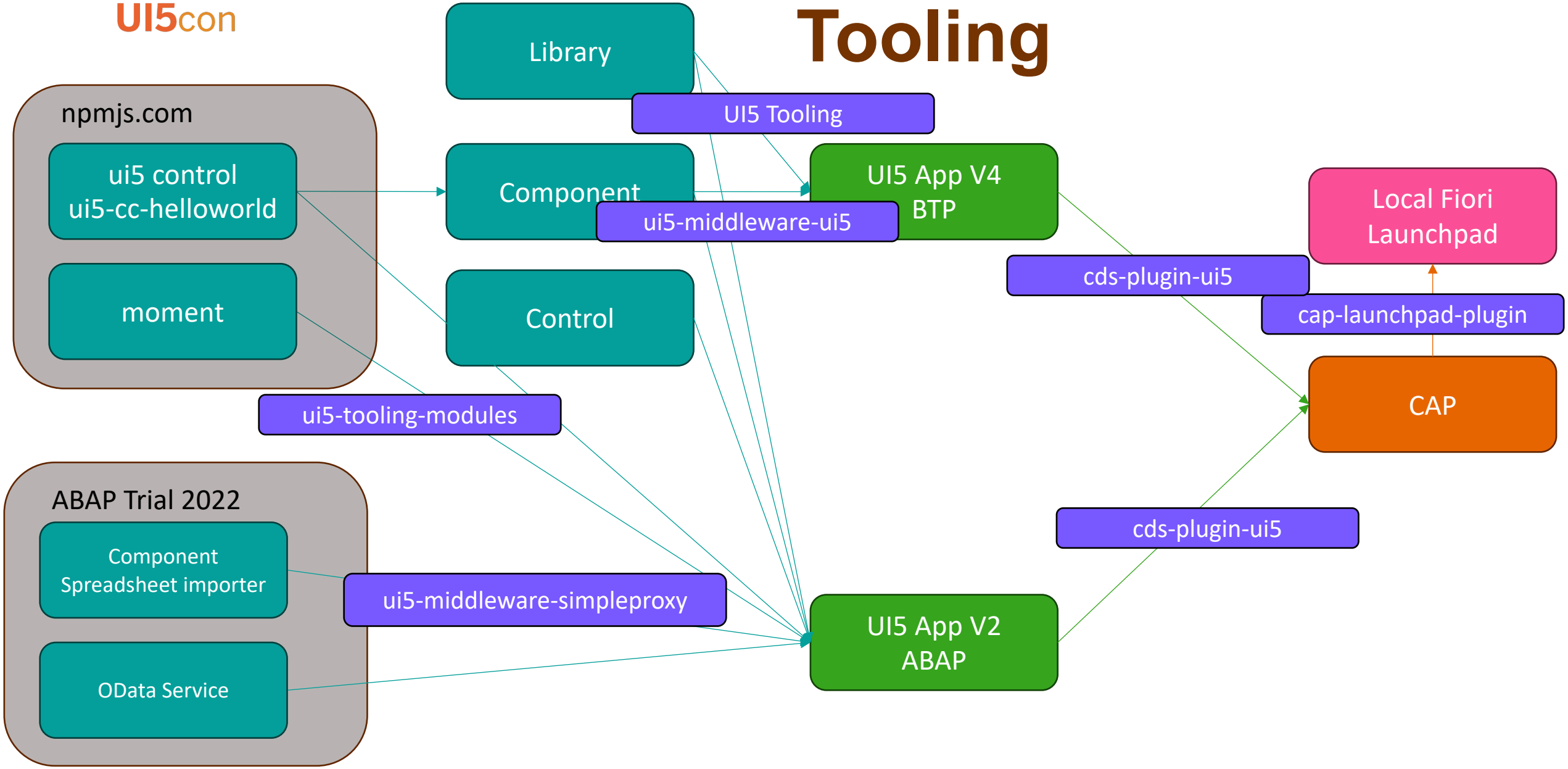
Tooling



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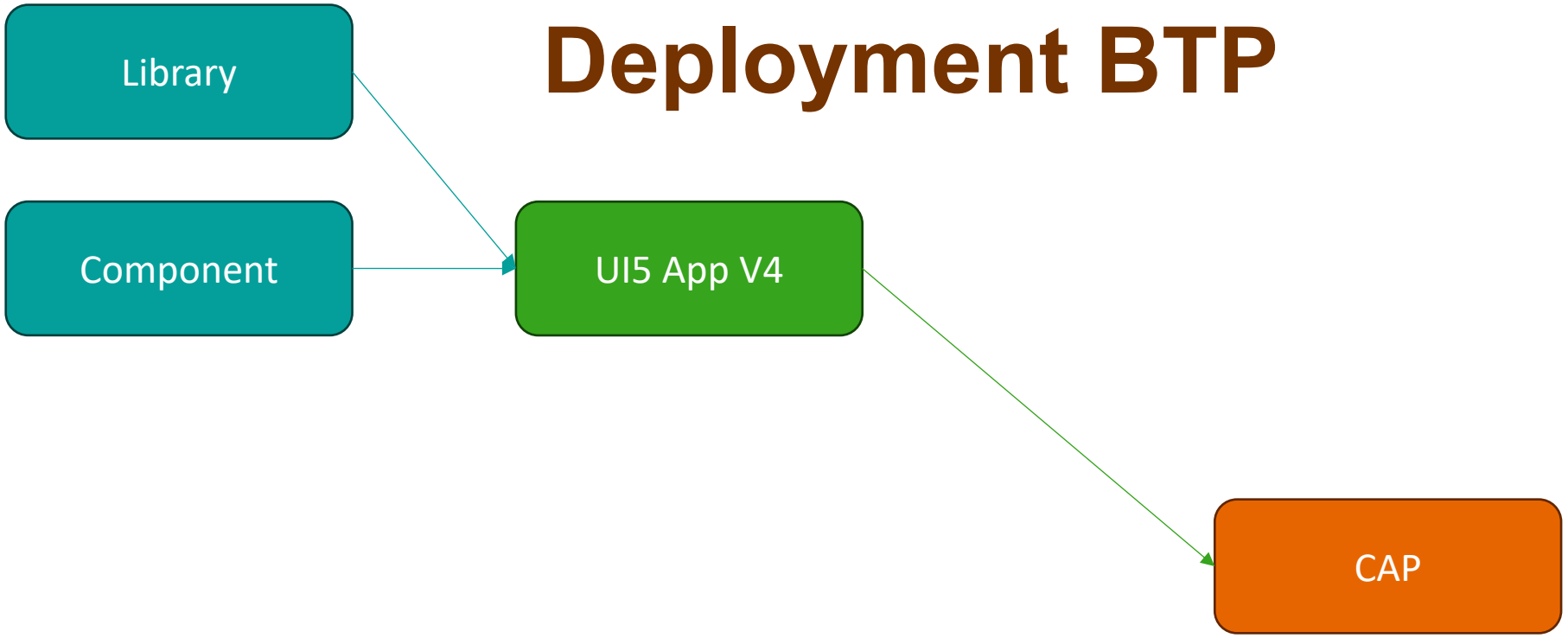
Deployment BTP



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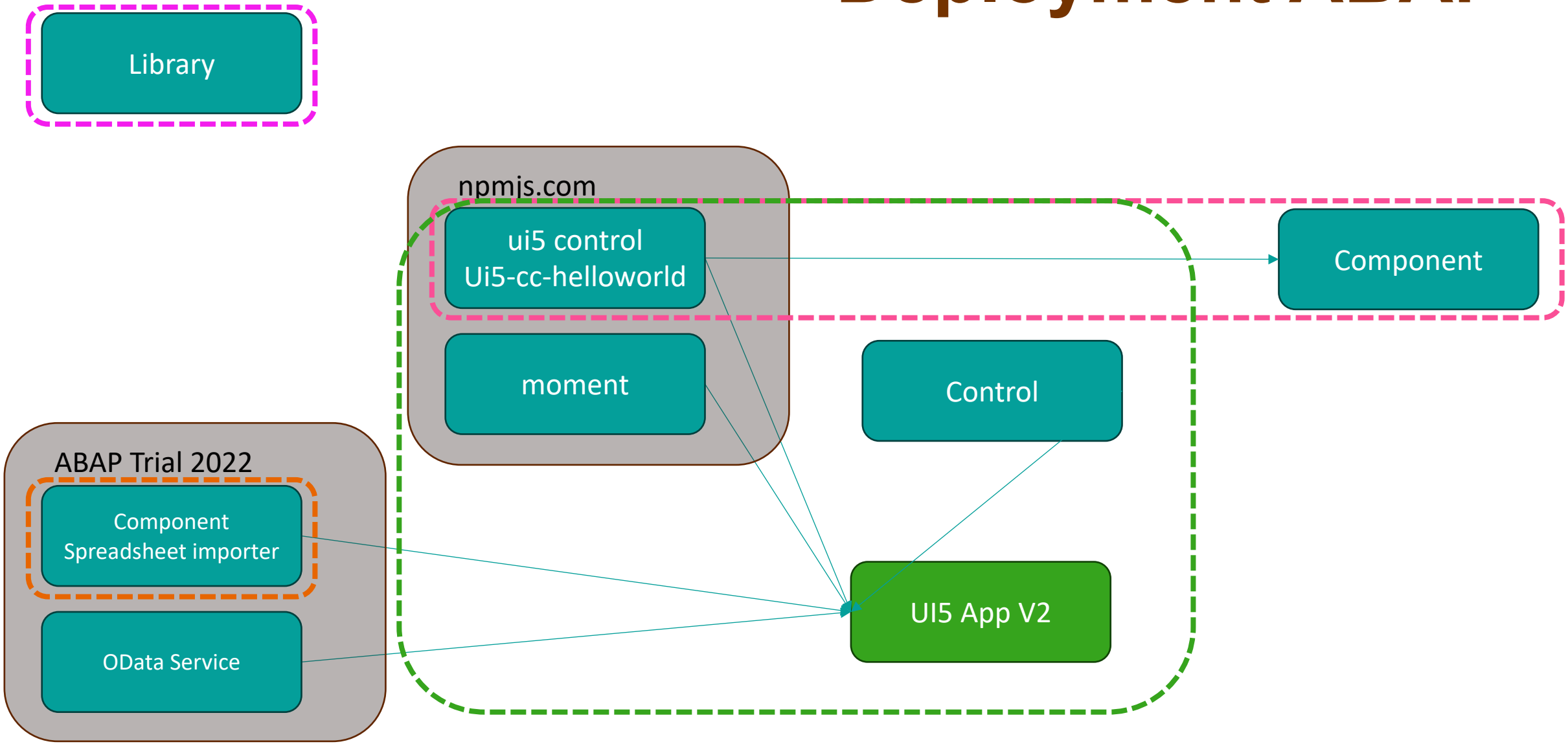
Deployment ABAP



Live Demo

Future

- Better integration for E2E Example
- Minimal special configurations
- Slow Fiori Launchpad
- Adaptation and use of the available tools

Thank you!

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