

# UI5con ON AIR Keynote – Day Two

## The 2020 Virtual Edition

Stefan Beck, SAP SE

Peter Muessig, SAP SE

July 10<sup>th</sup>, 2020



# UI5 Development Experience

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# UI5 Development Experience

Freestyle

SAP Fiori elements

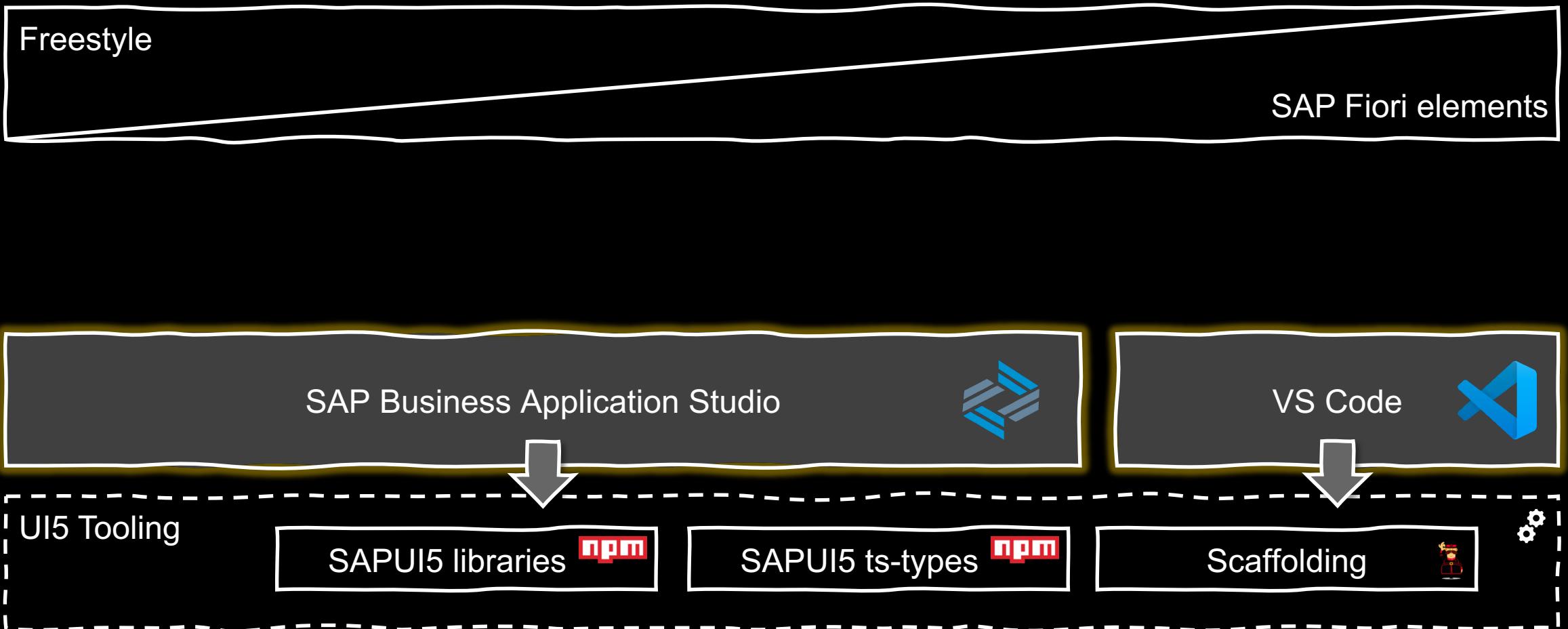
UI5 Tooling

SAPUI5 libraries 

SAPUI5 ts-types 

Scaffolding 

# UI5 Development Experience



# SAP Business Application Studio



A **modern** development environment, **tailored** for efficient development of business applications for the **Intelligent Enterprise scenarios**

```
// The module 'vscode' contains
// Import the module and re-export it
const vscode = require('vscode');

// this method is called when your extension is activated
// your extension is activated
// @param {vscode.ExtensionContext} context
function activate(context) {
    // Use the console to output activity from your extension
    console.log('Congratulations, you activated my extension!');

    // The command has been defined in extension.json
    // Now provide the implementation
    // This will be called when your extension is activated
    let disposable = vscode.commands.registerCommand(
        'extension.helloWorld',
        () => {
            // Display a message box to the user
            vscode.window.showInformationMessage('Hello World!');
        }
    );
    context.subscriptions.push(disposable);
}

// this method is called when your extension is deactivated
function deactivate() {}
```

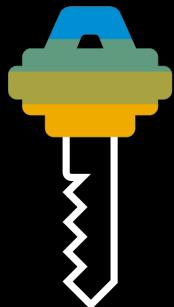
```
<App view.xml >
<mvc:View xmlns:mvc="sap.ui.core.mvc" xmlns="sap.m" controllerName="sap.ui.core.sample.TodoListController">
<Shell>
<App>
<title>({$i18n>TITLE})</title>
<subHeader>
<SearchField id="searchTodoItemInput" liveChange="onSearch" type="Search" value="Search Todo Items..."/>
</subHeader>
<content>
<List id="todoList" items="{ path: '/todos', events: { itemPress: 'onItemPress' } }>
<infobar>
<Toolbar>
<Label id="itemCountLabel" text="({$i18n>ITEMS_LEFT})"/>
</Toolbar>
</infobar>
<CustomItem class="todoListItem" selected="true">
<Input enabled="true" type="Text" value="Buy milk" valueState="Success"/>
<CustomListItems>
<Label id="itemTitleLabel" text="Buy milk" type="Text"/>
<Label id="itemTextLabel" text="Milk" type="Text"/>
</CustomListItems>
</CustomItem>
<CustomItem class="todoListItem">
<Input enabled="true" type="Text" value="Buy bread" valueState="Error"/>
<CustomListItems>
<Label id="itemTitleLabel" text="Buy bread" type="Text"/>
<Label id="itemTextLabel" text="Bread" type="Text"/>
</CustomListItems>
</CustomItem>
<CustomItem class="todoListItem">
<Input enabled="true" type="Text" value="Buy eggs" valueState="Success"/>
<CustomListItems>
<Label id="itemTitleLabel" text="Buy eggs" type="Text"/>
<Label id="itemTextLabel" text="Eggs" type="Text"/>
</CustomListItems>
</CustomItem>
</List>
<Footer>
<Bar>
<SegmentedButton selectedKey="all" selected="true">
<items>
<SegmentedButtonItem id="filterAllItem" type="Text" text="All" type="Text"/>
<SegmentedButtonItem id="filterActiveItem" type="Text" text="Active" type="Text"/>
<SegmentedButtonItem id="filterCompletedItem" type="Text" text="Completed" type="Text"/>
</items>
</SegmentedButton>
</Bar>
<contentMiddle>
<ContentMiddle>
<contentLeft>
<contentRight>
</contentLeft>
</contentRight>
</ContentMiddle>
</contentMiddle>
</Footer>
</App>
</Shell>
</mvc:View>
```

ON AIR  
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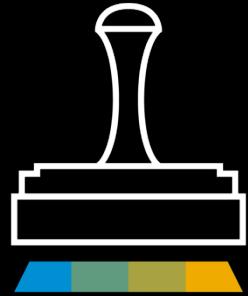
# SAP Business Application Studio



Easily develop and extend SAP solutions, seamlessly integrating SAP services, technologies, and solutions



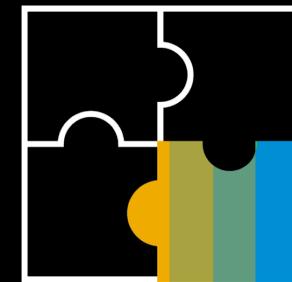
Turn-key  
solution



Standards & Open  
Source



Simplified  
Development



Integrate SAP  
solutions



Ultimate  
Productivity

ON AIR  
**UI5con**

# SAP Business Application Studio



Stefan Beck

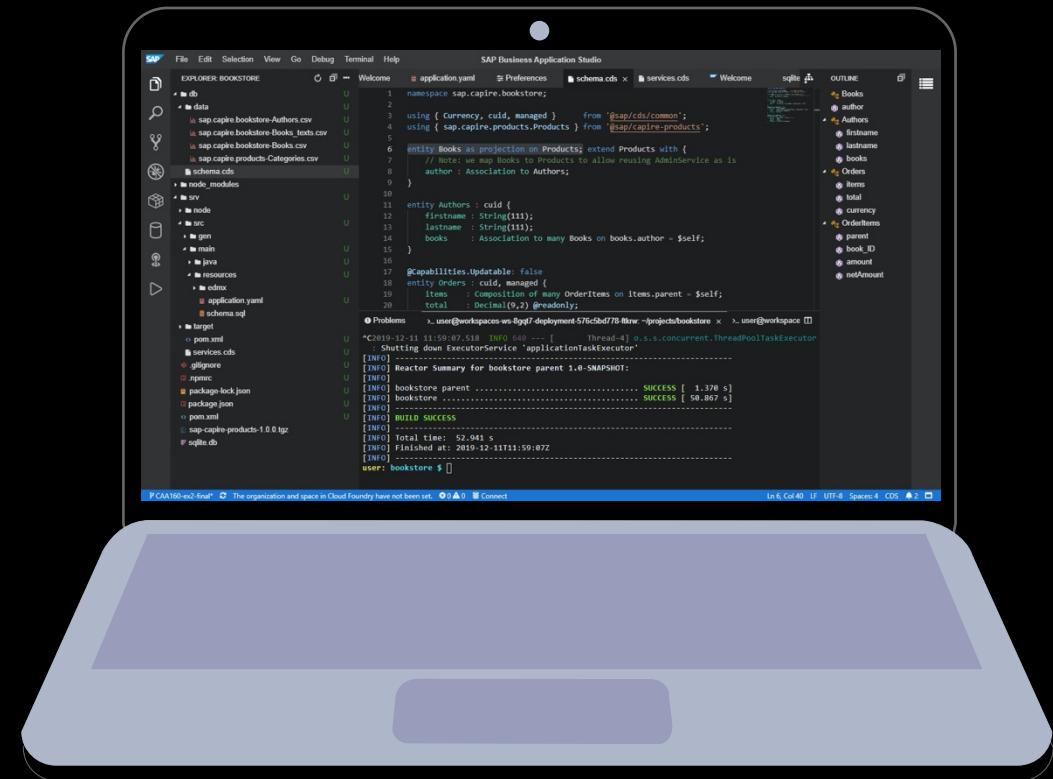


Peter Muessig



# SAP Business Application Studio

## General Availability on AWS, Azure and Ali Cloud

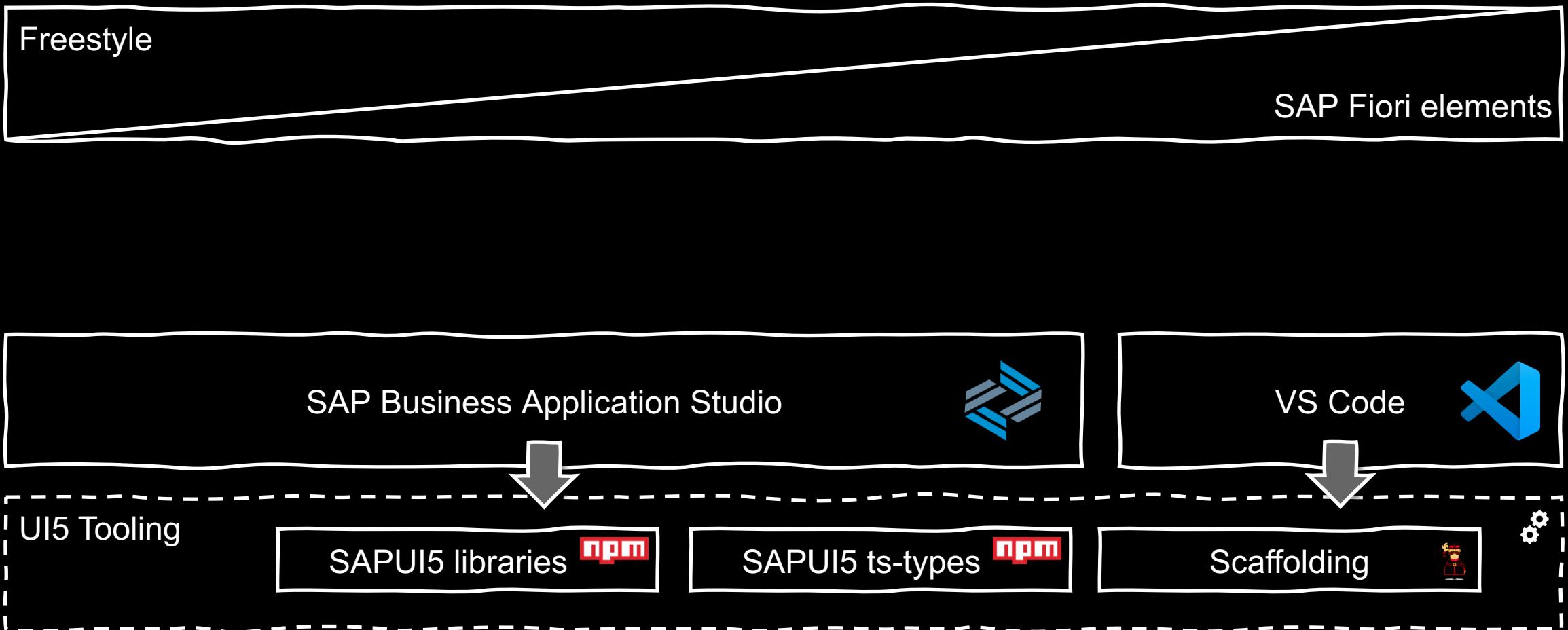


AliCloud

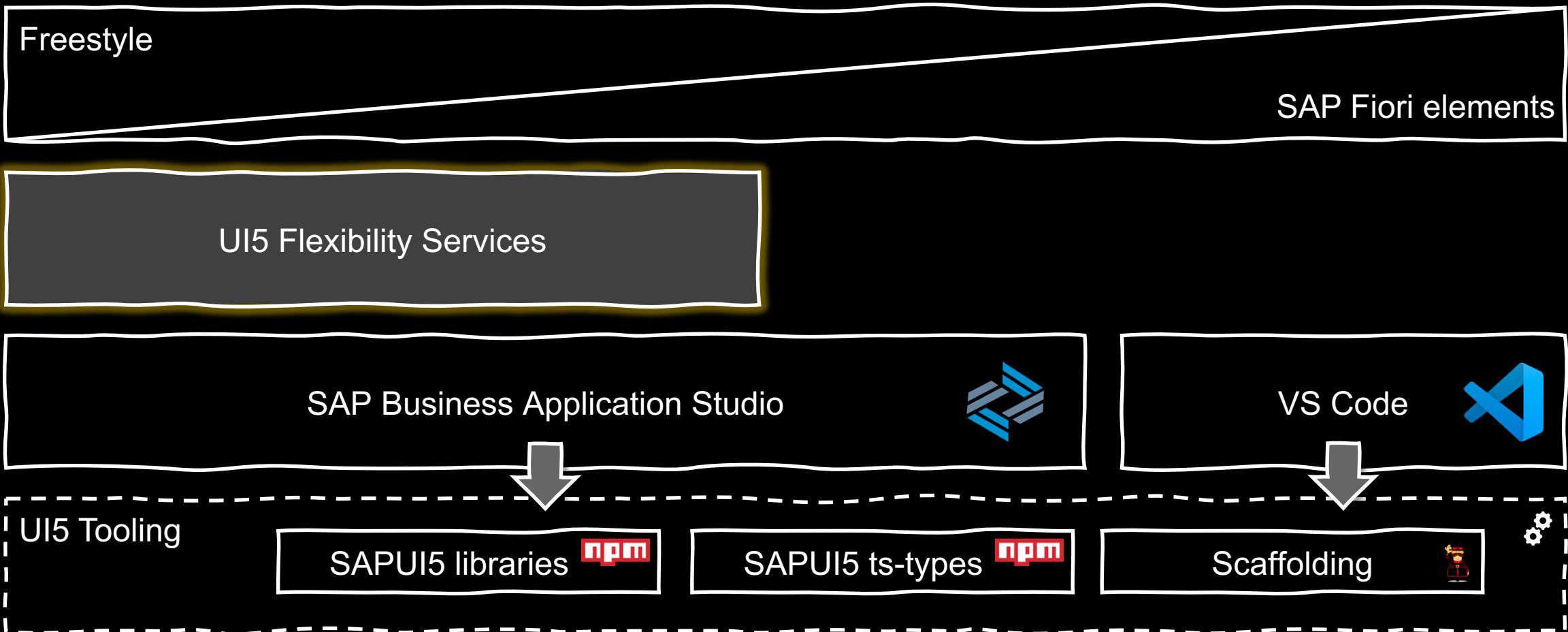


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# UI5 Development Experience



# UI5 Development Experience

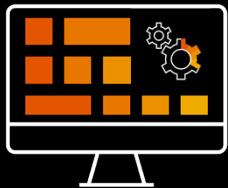


# UI5 Flexibility Unifies Developer Extensibility Experience



## Seamless Upgrades

Modification-free UI extensibility approach allowing seamless upgrades



## Intuitive Tooling

WYSIWYG experience to adapt and extend UIs integrated with SAP Business Application Studio



## Unified Approach

Go-to approach to extend both Freestyle and SAP Fiori elements application

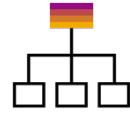
# The Leap Into Greater and Unified Flexibility



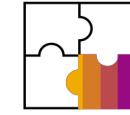
# UI5 Flexibility Makes Adjusting UI5 Apps a Breeze



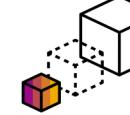
Adapt UIs



Change properties



Extend controllers  
and views



Create control  
variants



Change  
UI texts

# UI5 Flexibility Services



Stefan Beck

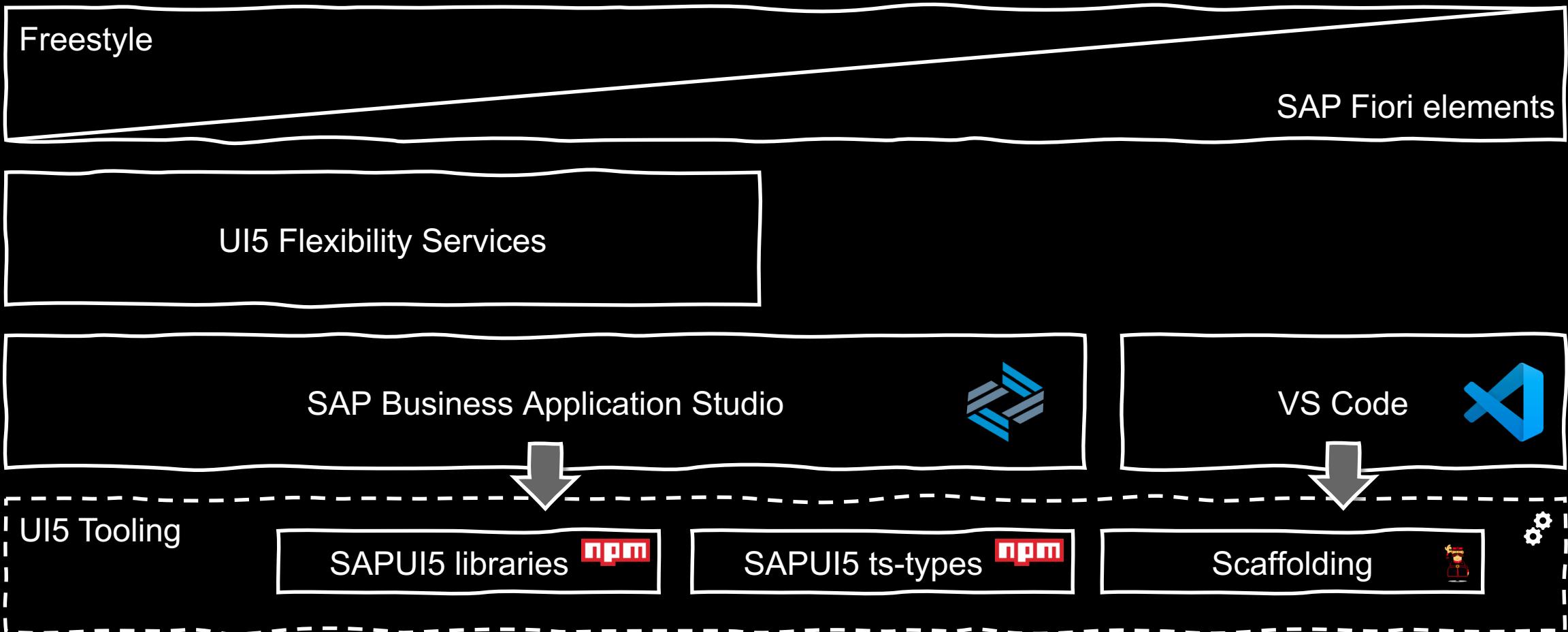


Joaquin Recio Huertas

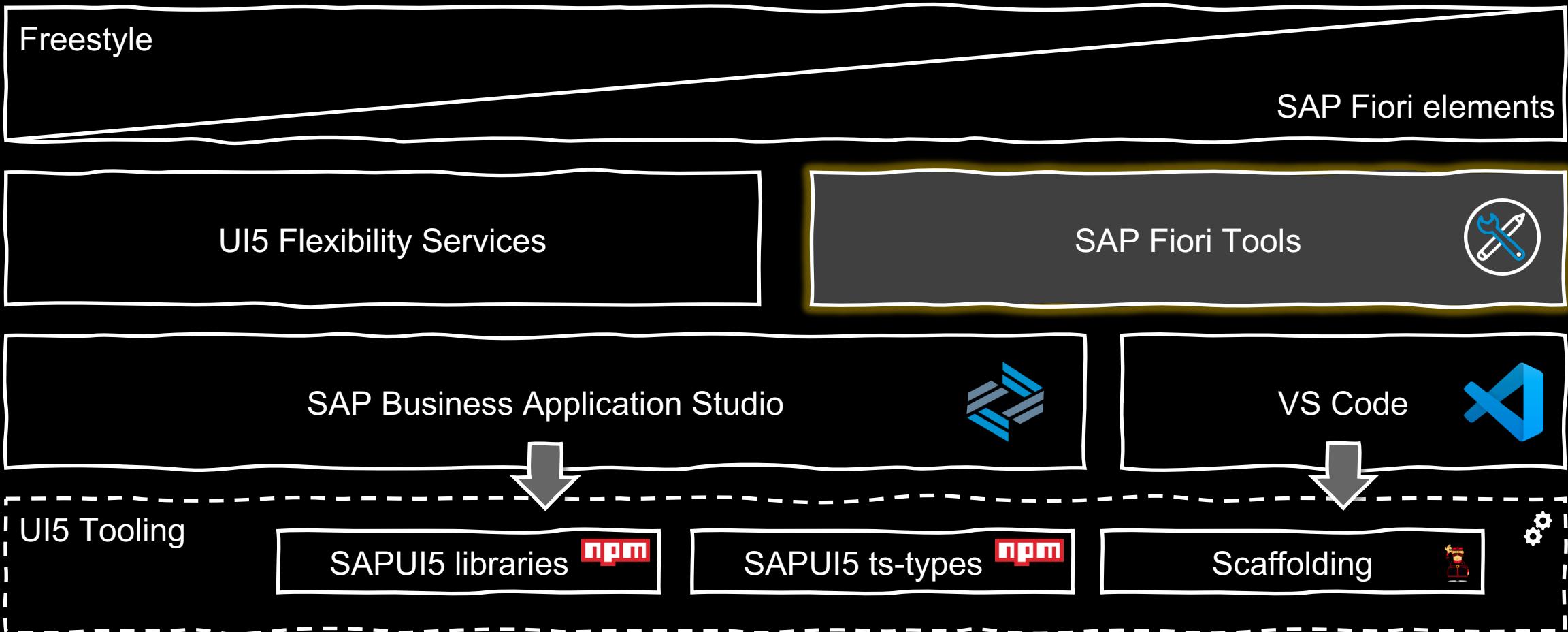
**“We have no other  
UI technology at SAP with  
such a high flexibility!”**

M. Königstein (S/4 architecture)

# UI5 Development Experience



# UI5 Development Experience



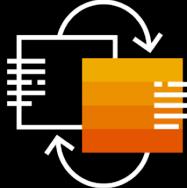
# SAP Fiori Elements Boosts SAPUI5 Development Efficiency



## Developer Productivity

Standard page types allow developers to:

- Focus on business logic and back-end services
- Write less repetitive non-differentiating code
- Benefit from centrally managed templates



## UX Consistency

SAP Fiori app generation at runtime ensures:

- A centrally managed SAP Fiori user experience
- Uniform layout, navigation, search, filtering, etc.
- Out-of-the box forward compatibility



## Enterprise Readiness

Organizations can rapidly and consistently:

- Deliver high quality SAPUI5 applications to end-users
- Ensure stable, optimized UI code out of the box
- Benefit from best practices to scale app creation

# Lab Preview: SAP Fiori Tools And SAP Fiori Elements For OData V4



Stefan Beck



Katja Zoch

# SAP Fiori Tools Is Available Right Now!

## SAP Business Application Studio - Fiori extensions (recommended)

- 1  Access SAP Business Application Studio through your SAP Cloud Platform account

- 2  Create SAP Fiori DEV Space including SAP Fiori tools and other tools dedicated to building SAP Fiori apps

- 3  Use SAP Fiori tools to quickly create SAP Fiori apps based on OData services and annotations

## Visual Studio Code – SAP Fiori tools extension pack

- 1  Install node.js in your local environment (download from [nodejs.org](https://nodejs.org))

- 2  Install Microsoft Visual Studio code (download from <https://code.visualstudio.com/download>)

- 3  Install SAP Fiori tools - Extension Pack (<https://marketplace.visualstudio.com/items?itemName=sap.fiori-tools> or inside VS Code)

More information available here:

<https://blogs.sap.com/2020/06/22/sap-fiori-tools-is-generally-available.-increase-the-efficiency-of-developing-sap-fiori-elements-apps/>

# Get Involved!

Join our Guided Beta program for SAP Fiori elements for OData V4

**Guided Beta starts mid-August on SAPUI5 1.81**

- Revised page types leveraging OData version 4 features
- Early adopter version of the flexible programming model
- Lab preview of SAP Fiori tools with support for OData V4 floorplans

The screenshot shows a blog post on the SAP Community website. The post is titled "Fiori Elements Floorplans for OData v4 – Coming Soon!" and is authored by Peter Spielvogel. It was published on March 17, 2020, and has a 3-minute read time. The post discusses the upcoming release of Fiori Elements Floorplans for OData v4. Below the post, there are social sharing buttons for Follow, RSS feed, and Like.

More information available here:

<https://blogs.sap.com/2020/03/17/fiori-elements-floorplans-for-odata-v4-coming-soon/>

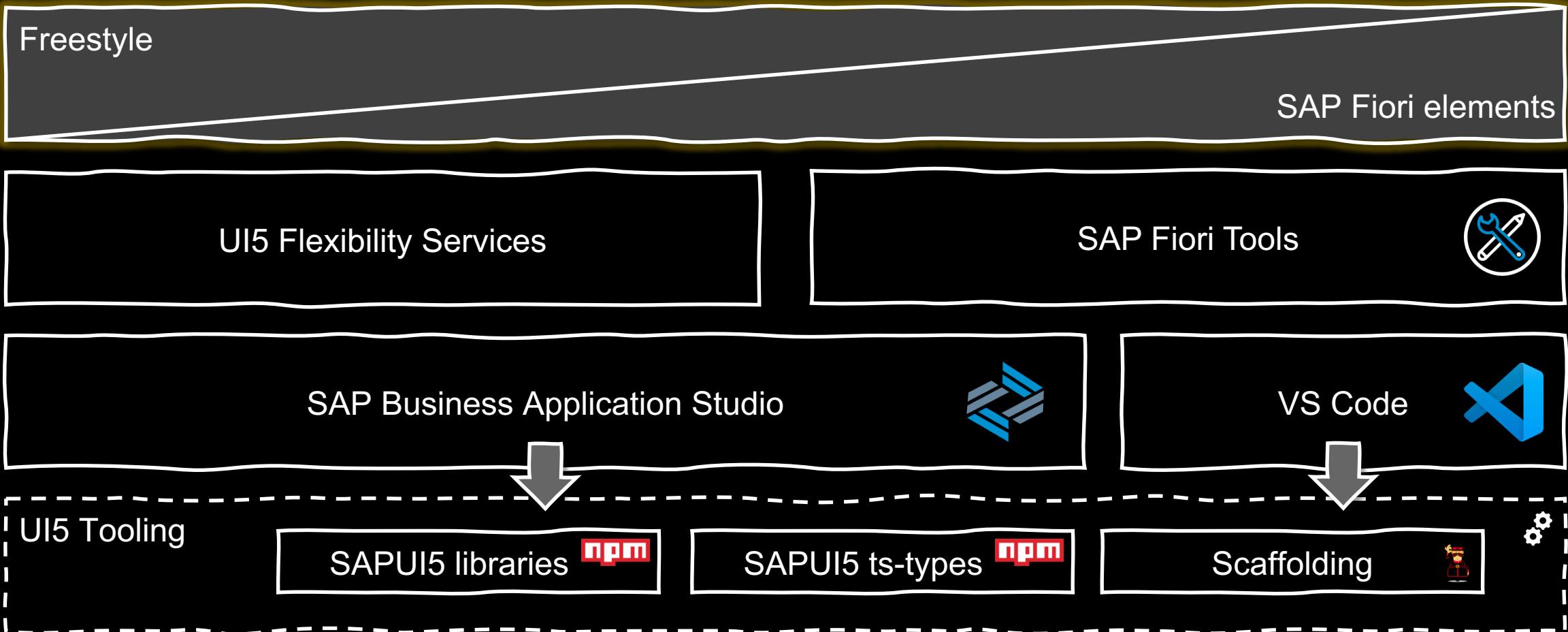


*Scan me*

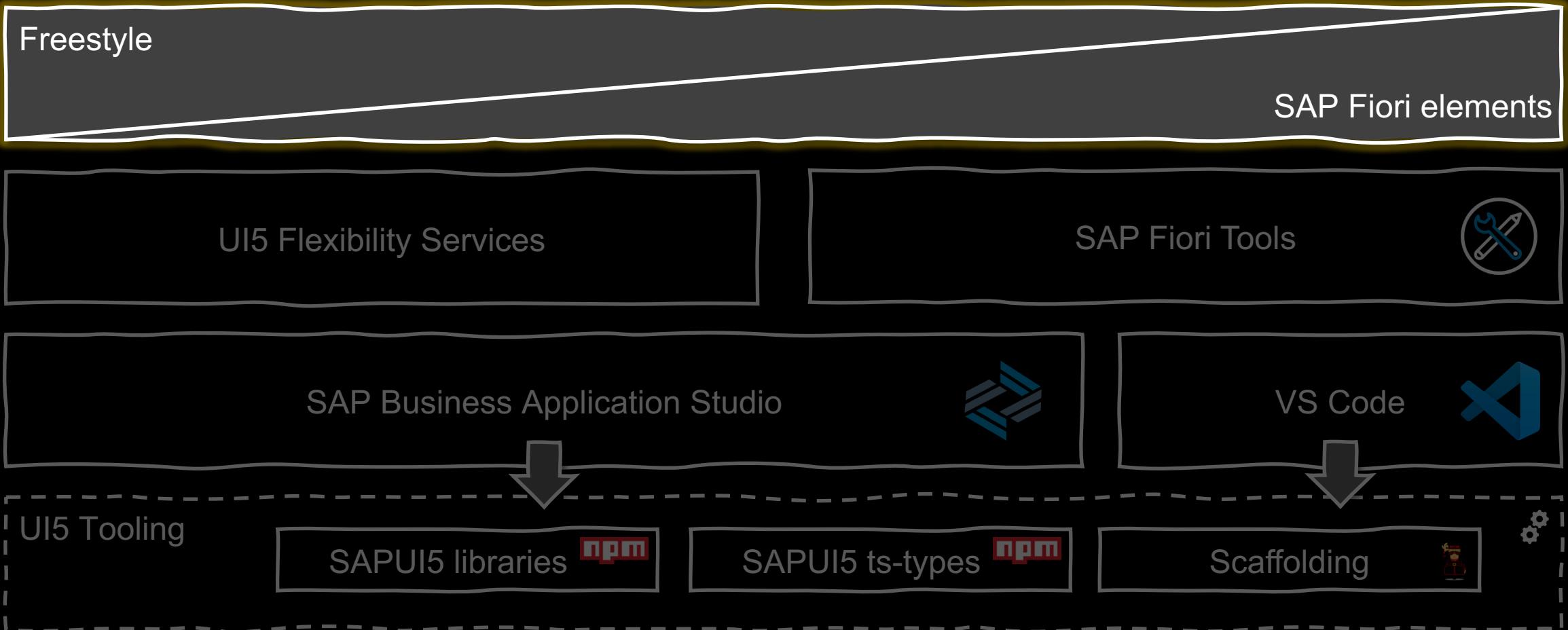
**Let us know if you are interested!  
Contact: [stefanie.hager@sap.com](mailto:stefanie.hager@sap.com)**

**SAP Fiori elements for OData V4  
is planned to be available for usage  
with OpenUI5 later this year**

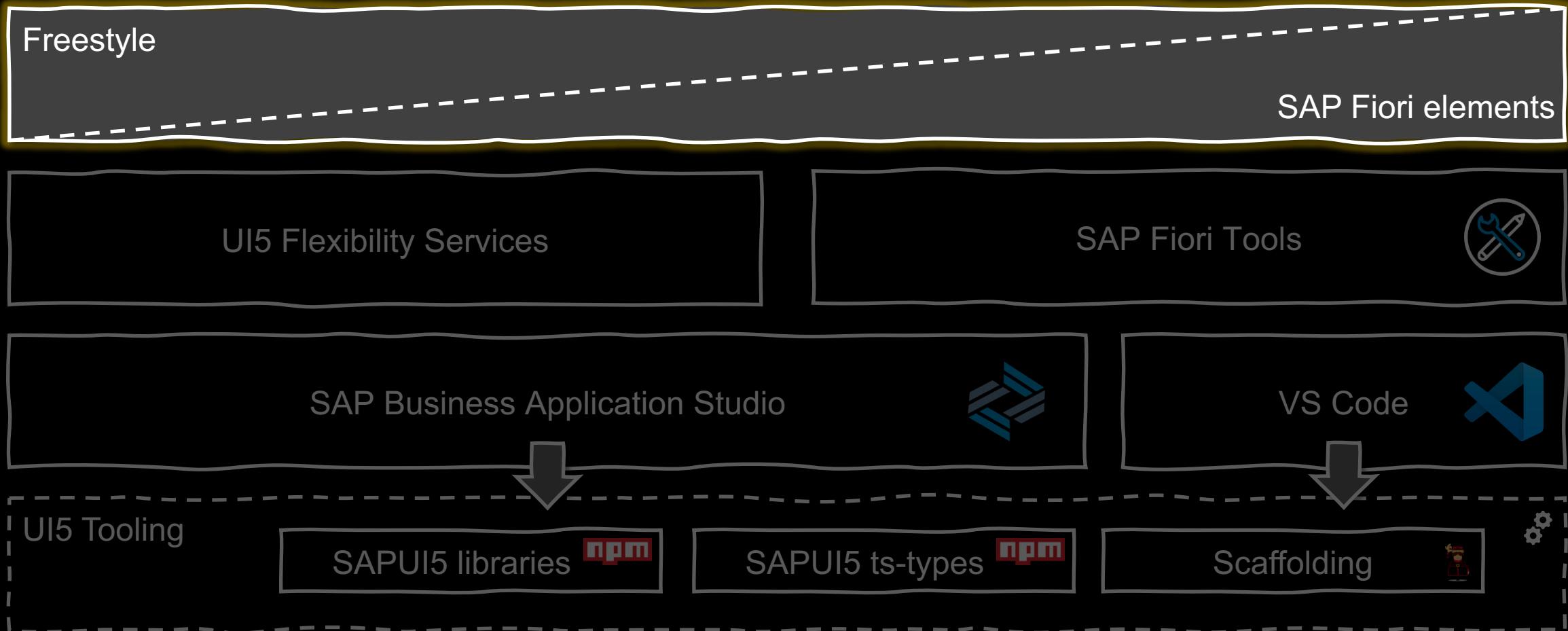
# UI5 Development Experience



# UI5 Development Experience



# UI5 Development Experience





**Now, it's your turn...**

...start  
new o



UI5con  
no!

ON AIR  
**UI5con**

# Thank you.

**Stefan Beck**

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