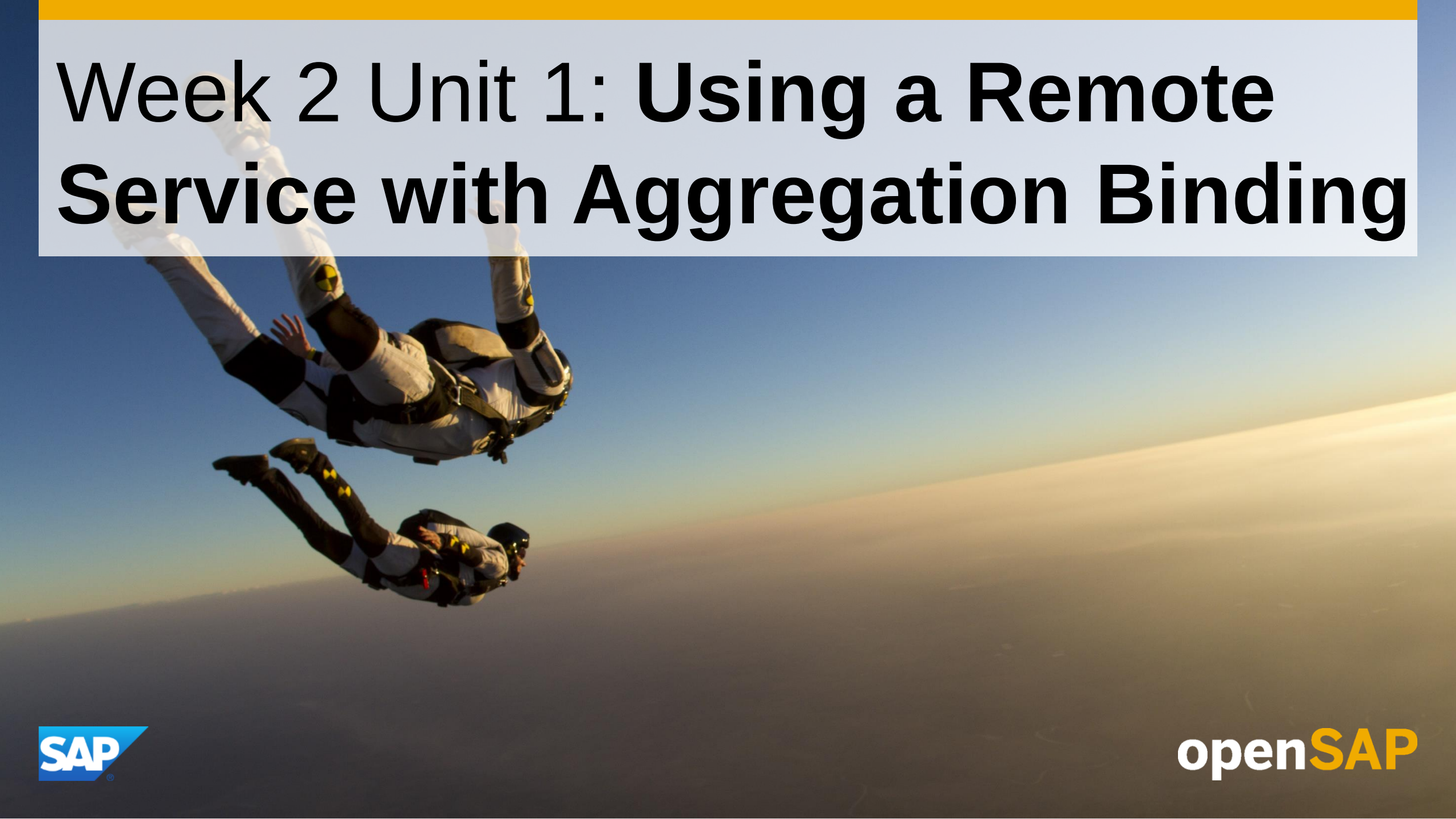
Week 2 Unit 1: **Using a Remote Service with Aggregation Binding**



SAP

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Using a Remote Service with Aggregation Binding

Week 2 – Become a Data Binding Expert

Unit 2.1
Using a Remote Service with Aggregation Binding

Unit 2.2
Working with Expressions and Formatters

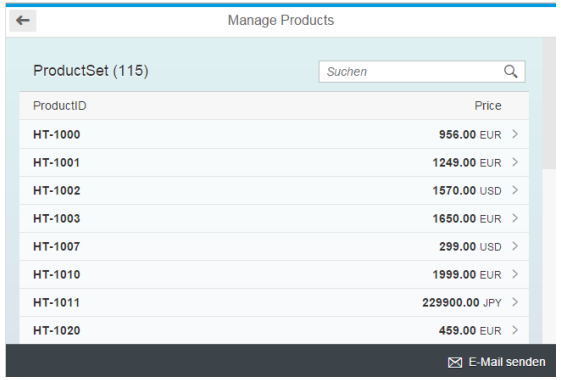
Unit 2.3
Automatic Conversion with Data Types

Unit 2.4
Sorting, Grouping, and Filtering

Unit 2.5
Binding Contexts with Element Binding

Unit 2.6
Working with OData Services

Connect to an OData service & create an aggregation binding

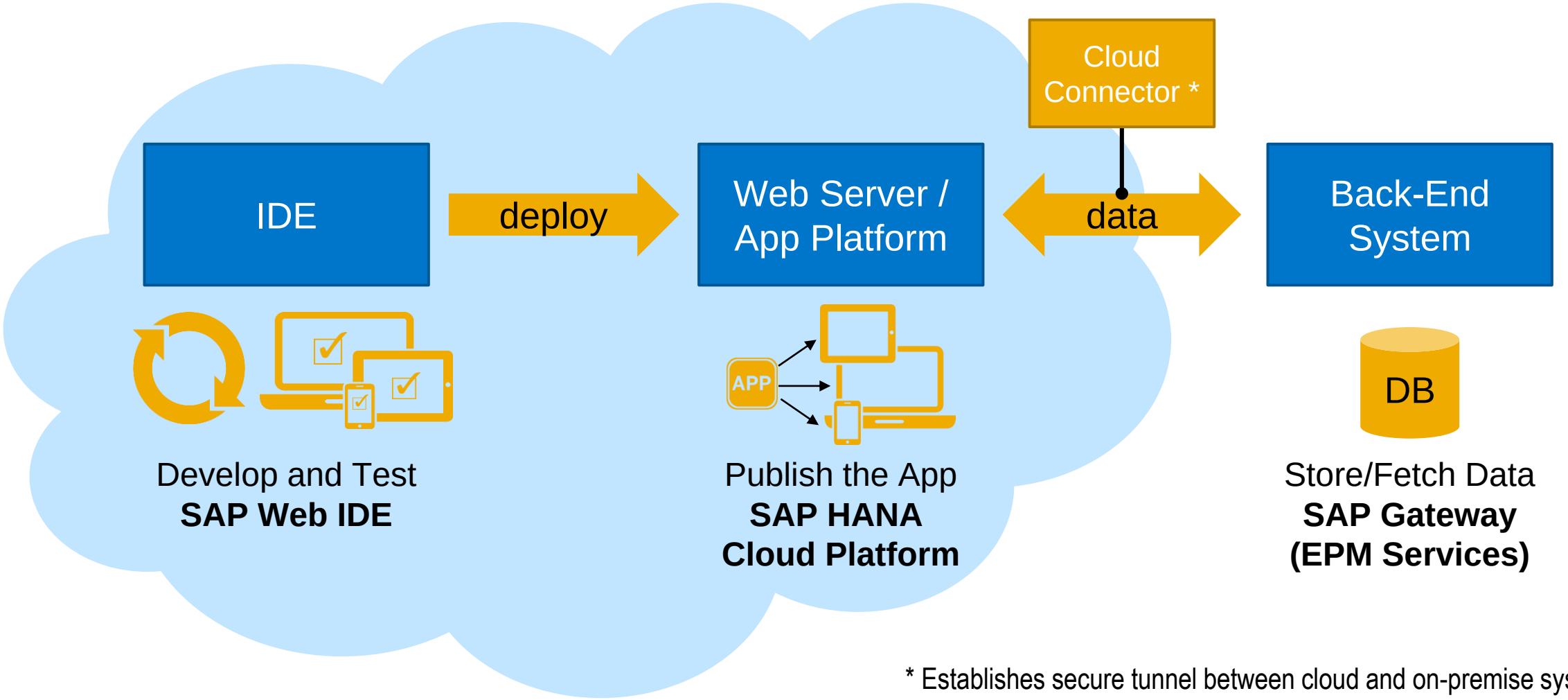


Rest of this week:

Extend app and learn all about major data binding features in SAPUI5

Using a Remote Service with Aggregation Binding

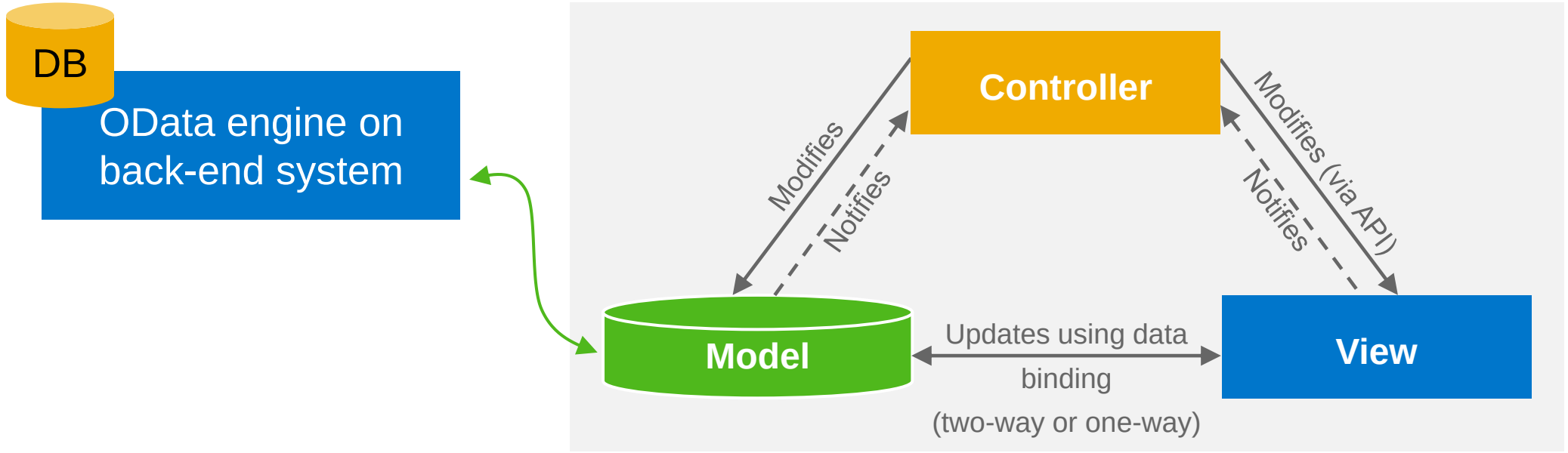
Scenario and tools (recap)



* Establishes secure tunnel between cloud and on-premise systems

Using a Remote Service with Aggregation Binding

OData model



- The model sends an initial request to the server to request data.
- The server interprets and processes the request and sends back the requested data to the model.
- This round trip takes place for every data request or change in the model.

Using a Remote Service with Aggregation Binding

Absolute and relative bindings

```
{
    "company": {
        "name": "Treefish Inc",
        "info": {
            "employees": "3"
        },
        "contacts": [
            {
                "name": "Barbara",
                "phone": "873"
            },
            {
                "name": "Gerry",
                "phone": "734"
            }
        ]
    }
}
```

Absolute binding path

```
/company
```

Relative binding path

```
info/employees
contacts/0/name
phone
```

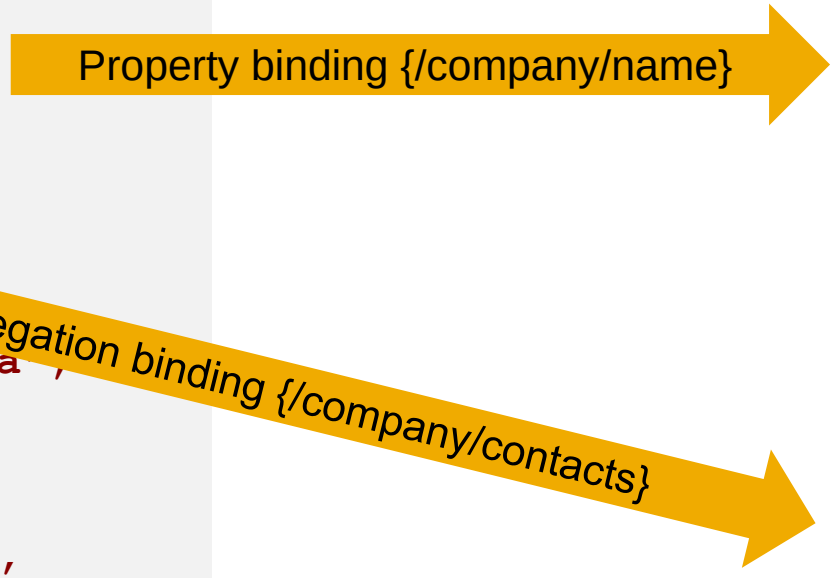
Absolute binding paths start with a slash; relative binding paths start with a name token and are resolved relative to the context of the control that is bound.

Binding Path Syntax for JSON Models

Using a Remote Service with Aggregation Binding

Binding types

```
{
    "company": {
        "name": "Treefish Inc",
        "info": {
            "employees": "3"
        },
        "contacts": [
            {
                "name": "Barbara",
                "phone": "873"
            },
            {
                "name": "Gerry",
                "phone": "734"
            }
        ]
    }
}
```



Treefish Inc

Aggregation Binding

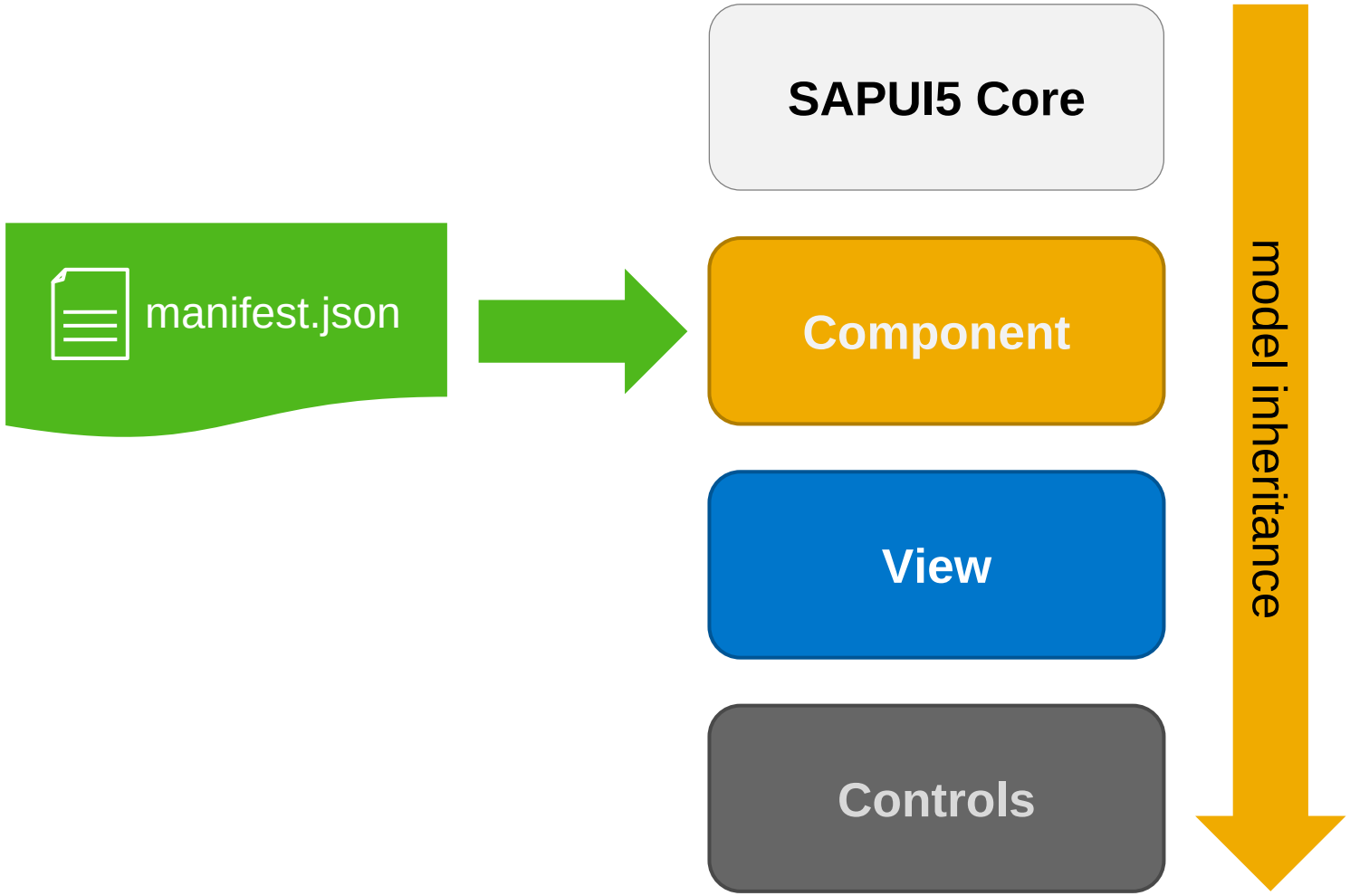
Name	Phone
Barbara	873
Gerry	734
Susan	275

Binding Types

Using a Remote Service with Aggregation Binding

Model inheritance

- A model can be set globally on the core (not recommended), the component, a view, or single controls
- All children in this hierarchy will automatically **inherit** the model of their respective parent
- If you configure a model in the app descriptor, it will be set on the component level



Thank you

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