

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



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

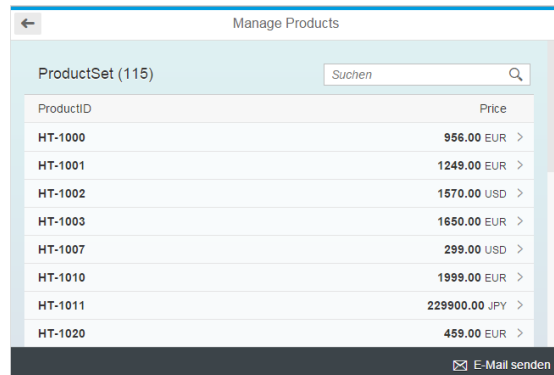
Unit 2.5

Binding Contexts with Element Binding

Unit 2.6

Working with OData Services

Connect to an OData service & create an aggregation binding



The screenshot shows the 'Manage Products' application in SAPUI5. It features a table with 10 rows of product data. The table has columns for 'ProductID' and 'Price'. The 'Price' column displays the price in various currencies (EUR, USD, JPY) and includes a right-pointing arrow icon. A search bar at the top right of the table contains the text 'Suchen'. Below the table, there is a button labeled 'E-Mail senden'.

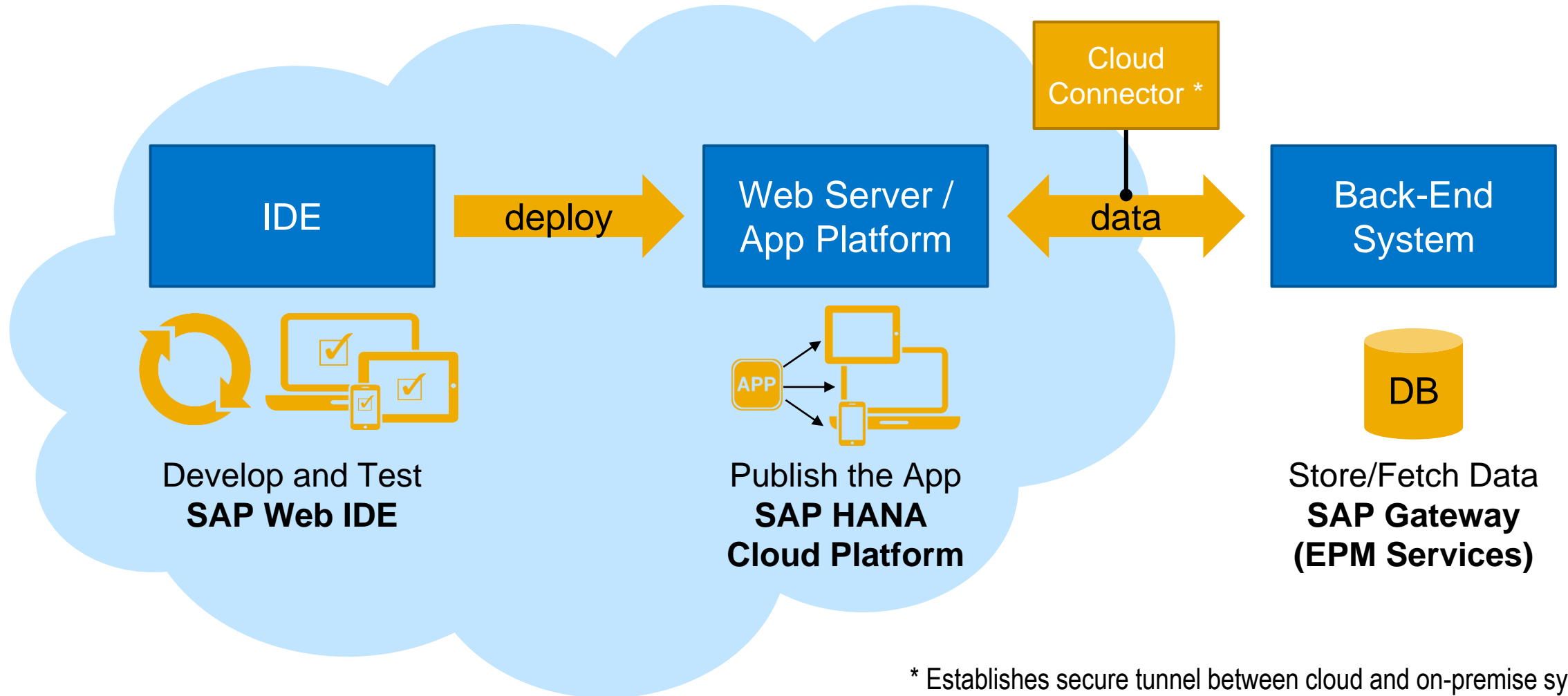
ProductID	Price
HT-1000	956.00 EUR >
HT-1001	1249.00 EUR >
HT-1002	1570.00 USD >
HT-1003	1650.00 EUR >
HT-1007	299.00 USD >
HT-1010	1999.00 EUR >
HT-1011	229900.00 JPY >
HT-1020	459.00 EUR >

Rest of this week:

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

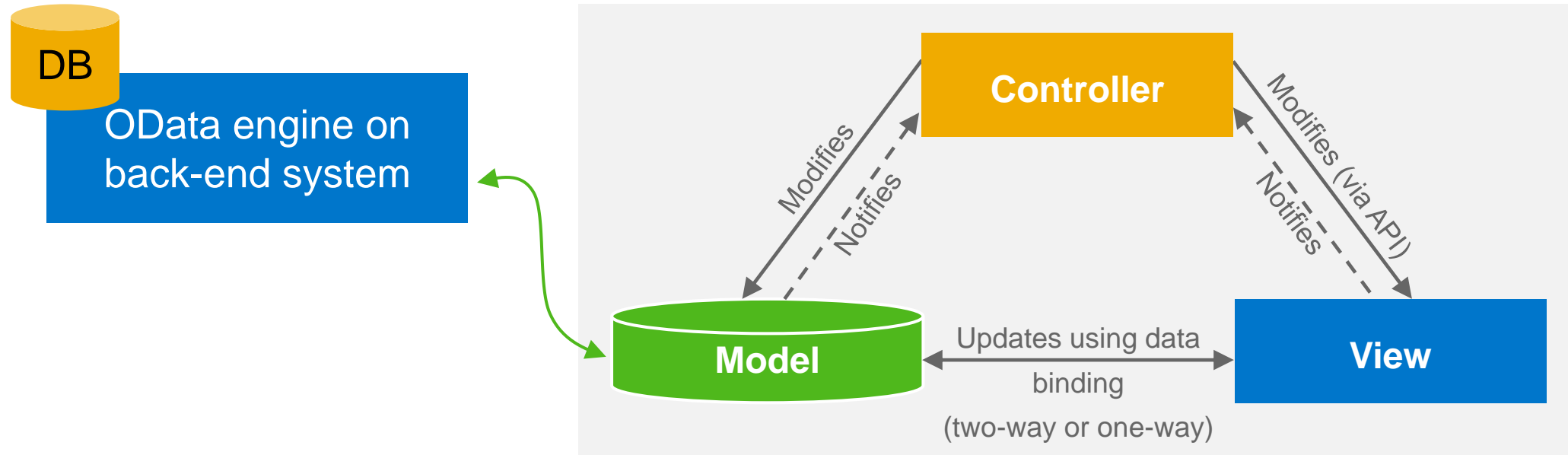
Using a Remote Service with Aggregation Binding

Scenario and tools (recap)



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

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Binding types

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

Property binding {/company/name}

Treefish Inc

Aggregation binding {/company/contacts}

Aggregation Binding

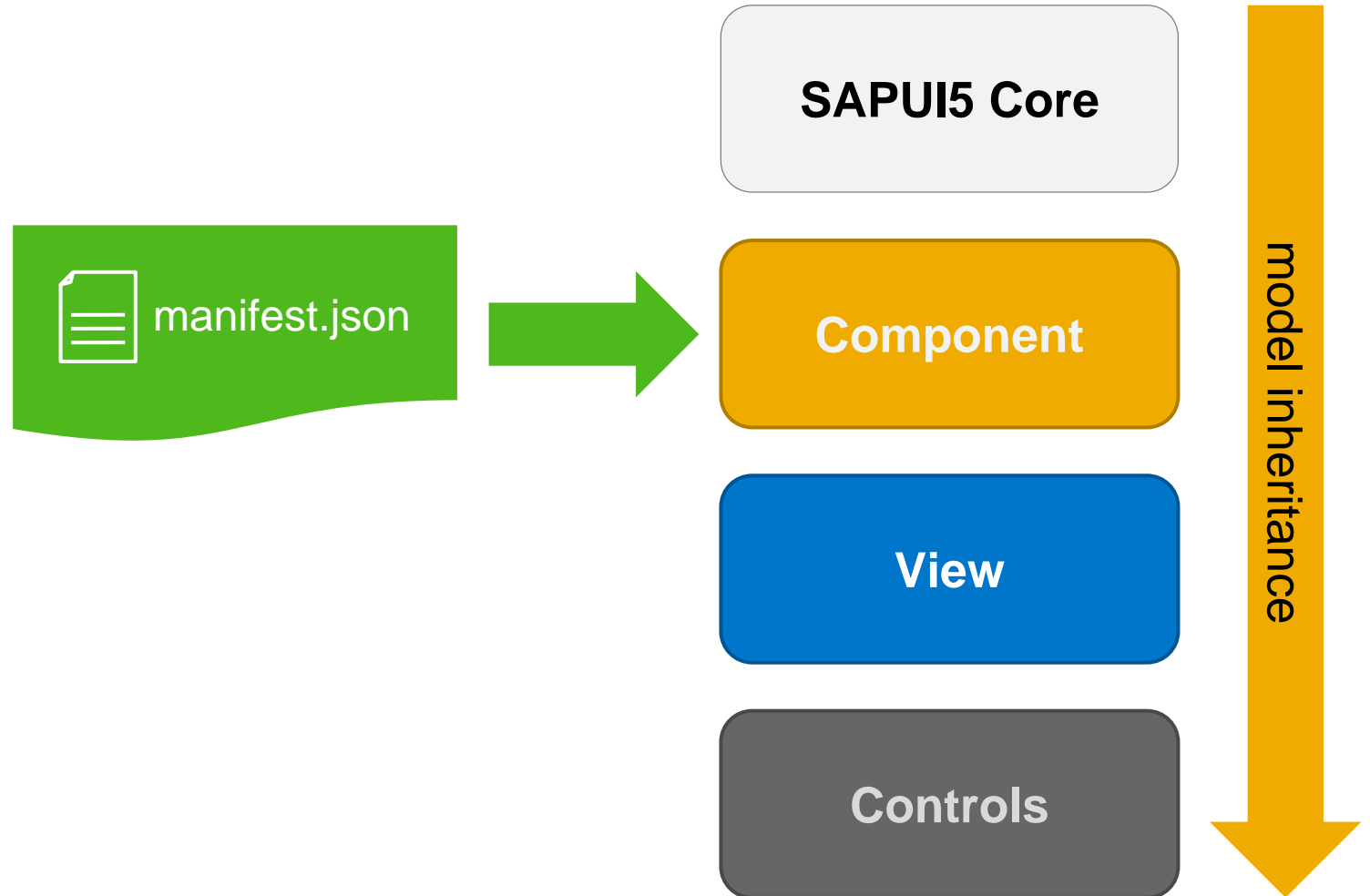
Name	Phone
Barbara	873
Gerry	734
Susan	275

Binding Types

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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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