

UI5 Routing with Reusable Components

Bring reusability to a new ultimate

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ON AIR 
UI5con

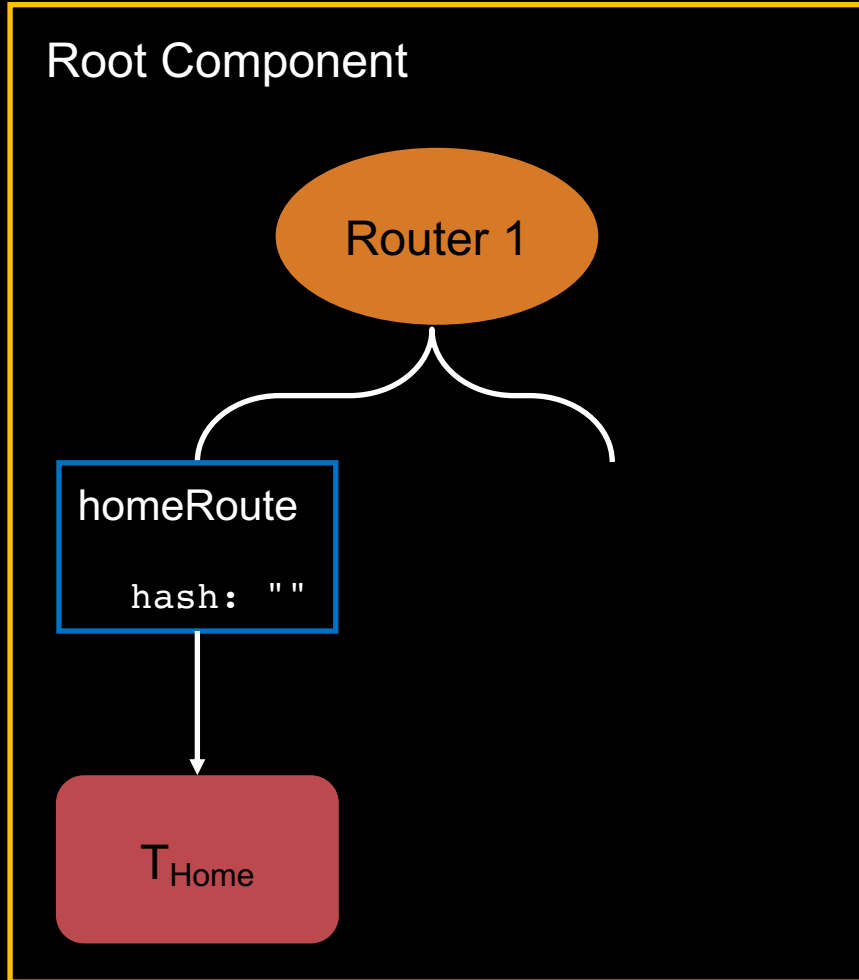
Routing Configuration

the well known part

```
"sap.ui5": {  
  "routing": {  
    "routes": [{  
      "name": "homeRoute",  
      "target": "homeTarget",  
      "pattern": ""  
    }],  
    "targets": {  
      "homeTarget": {  
        "type": "View",  
        ...  
      }  
    }  
  }  
}
```

Navigation with Nested Component

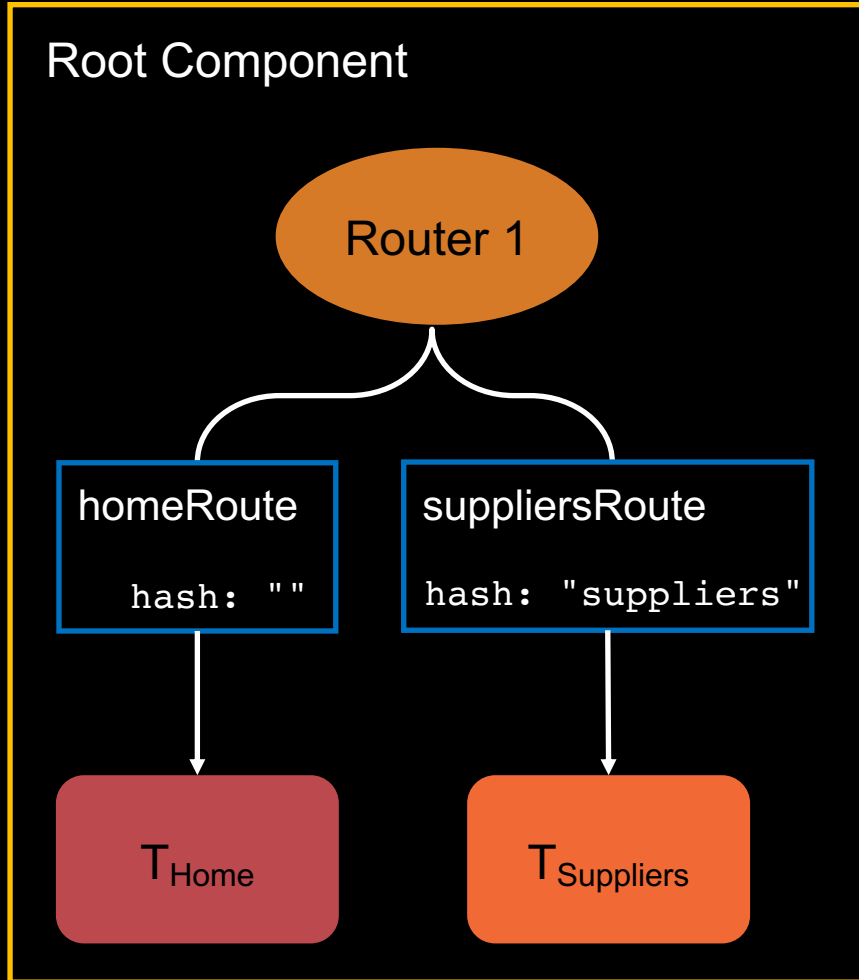
Overview



- Router
- Route
- View Target

Navigation with Nested Component

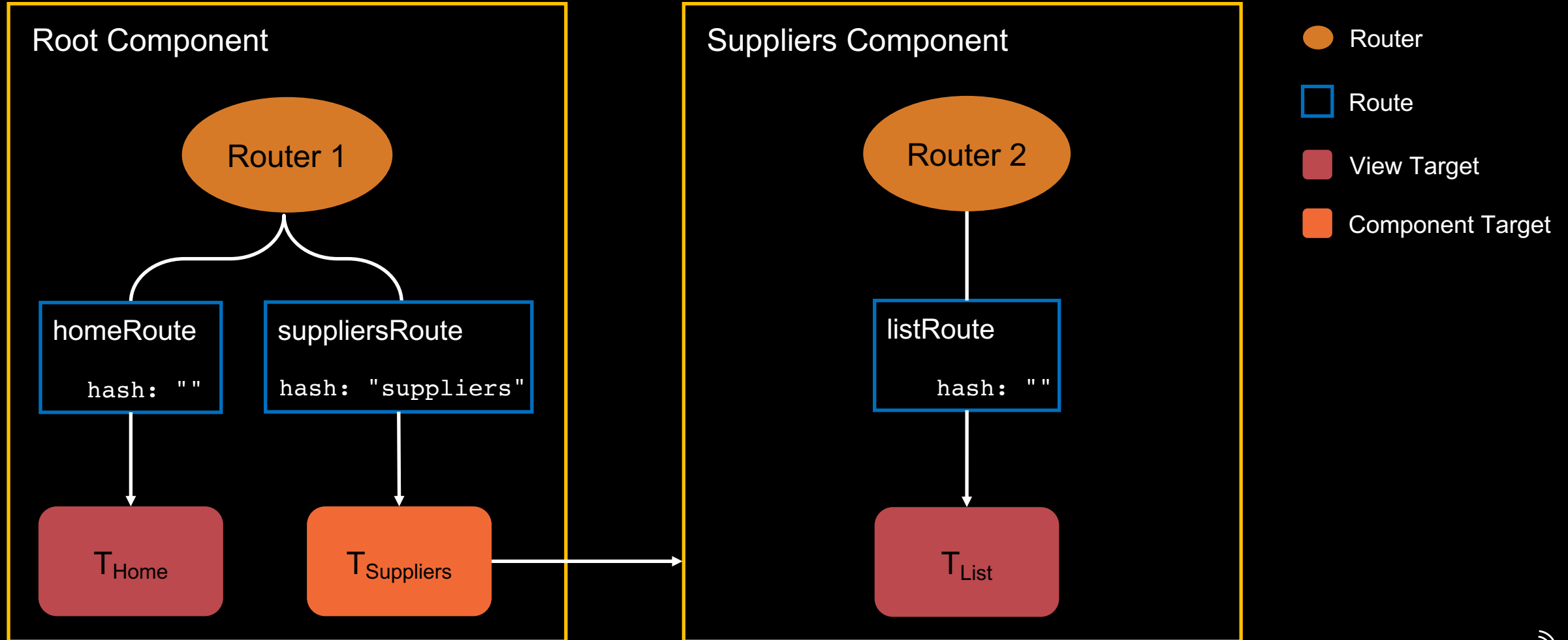
Overview



- Router
- Route
- View Target
- Component Target

Navigation with Nested Component

Overview



Navigation with Nested Component

Step 1: Configure the target to load a Component

```
"sap.ui5": {  
  "routing": {  
    "routes": [{  
      "name": "homeRoute",  
      "target": "homeTarget"  
    }],  
    "targets": {  
      "homeTarget": {  
        "type": "View",  
        ...  
      },  
    },  
  },  
}
```

Navigation with Nested Component

Step 1: Configure the target to load a Component

```
"sap.ui5": {  
  "routing": {  
    "routes": [{  
      "name": "homeRoute",  
      "target": "homeTarget"  
    }],  
    "targets": {  
      "homeTarget": {  
        "type": "View",  
        ...  
      },  
    },  
  },  
}
```

```
"componentUsages": {  
  "suppliersComponent": {  
    "name": "...",  
    "settings": {},  
    "componentData": {},  
    "lazy": false  
  },  
},
```

Navigation with Nested Component

Step 1: Configure the target to load a Component

```
"sap.ui5": {  
  "routing": {  
    "routes": [{  
      "name": "homeRoute",  
      "target": "homeTarget"  
    }],  
    "targets": {  
      "homeTarget": {  
        "type": "View",  
        ...  
      },  
    },  
  },  
}
```

```
"componentUsages": {  
  "suppliersComponent": {  
    "name": "...",  
    "settings": {},  
    "componentData": {},  
    "lazy": false  
  },  
}
```

```
"suppliersTarget": {  
  "type": "Component",  
  "usage": "suppliersComponent",  
  ...  
}
```


Navigation with Nested Component

Step 2: Configure the route which displays the "Component" target

```
"sap.ui5": {  
  "componentUsages": {...},  
  "routing": {  
    "routes": [{  
      "name": "homeRoute",  
      ...  
    }],  
    "targets": {  
      "homeTarget": {...},  
      "suppliersTarget": {  
        "type": "Component",  
        "usage": "suppliersComponent",  
        ...  
      }  
    }  
  }  
}
```

```
{  
  "name": "suppliersRoute",  
  "pattern": "suppliers",  
  "target": {  
    "name": "suppliersTarget",  
    "prefix": "s"  
  }  
}
```

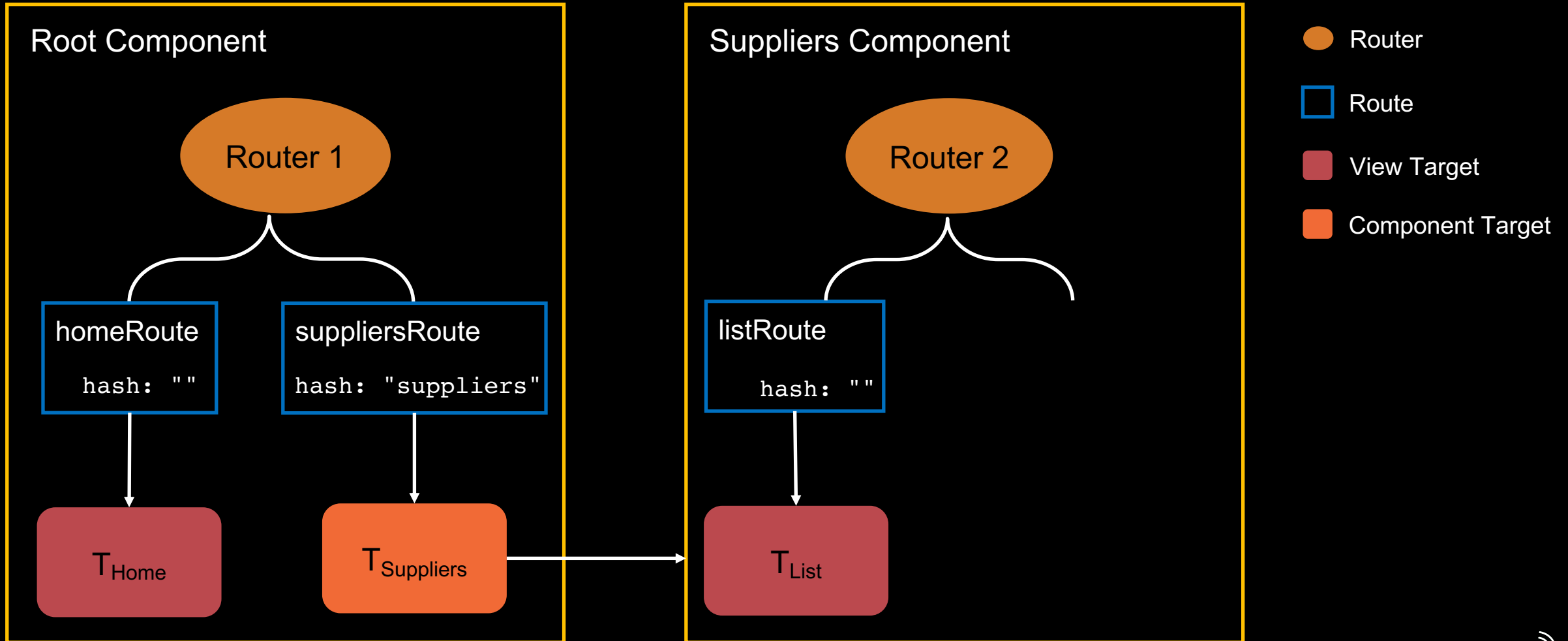
Navigation with Nested Component

Step 3(a): Use the router to navigate

```
this.getOwnerComponent().getRouter().navTo("suppliersRoute");
```

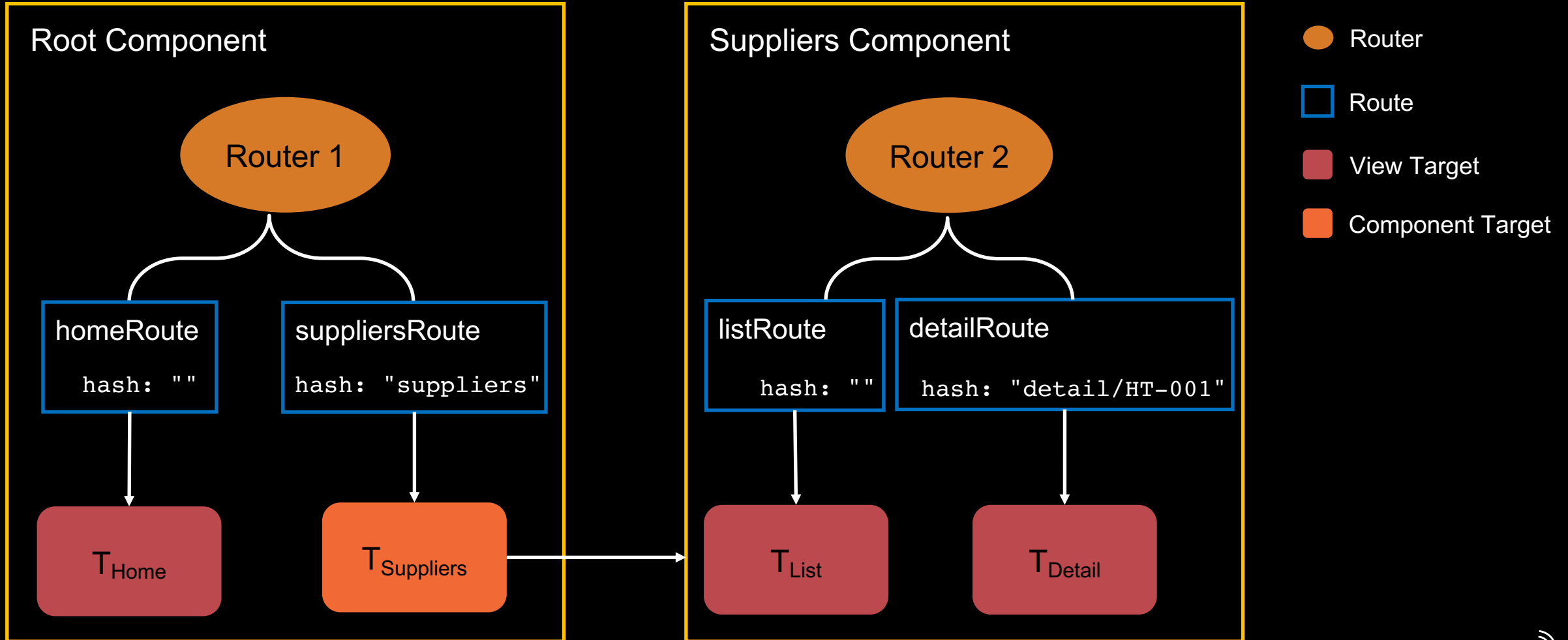
Navigation with Nested Component

Overview - Advanced



Navigation with Nested Component

Overview - Advanced



Navigation with Nested Component

Step 3(b): Use the router to navigate to a specific route

```
this.getOwnerComponent().getRouter().navTo("suppliersRoute");

this.getOwnerComponent().getRouter().navTo("suppliersRoute", {}, {
  suppliersTarget: {
    route: "detailRoute",
    parameters: {
      id: "HT-001"
    }
  }
});
```



Demo Time

Demo Code:

<https://github.com/flovogt/ui5con20-ui5-routing>



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Further Information

- Blogpost <https://blogs.sap.com/2020/02/05/ui5er-buzz-46-routing-with-nested-components/>
- Dev Guide:
 - Enable routing in Nested Components:
<https://openui5.hana.ondemand.com/topic/fb19f501b16e4e4991eb6a017770945b>
 - Navigate with Nested Components:
<https://openui5.hana.ondemand.com/topic/8e9d6e4df5464eb5a6e40696c4d2ccd6>

Thank you.

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