

UI5 Routing with Reusable Components

Bring reusability to a new ultimate

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July 10th, 2020



ON AIR 
UI5con

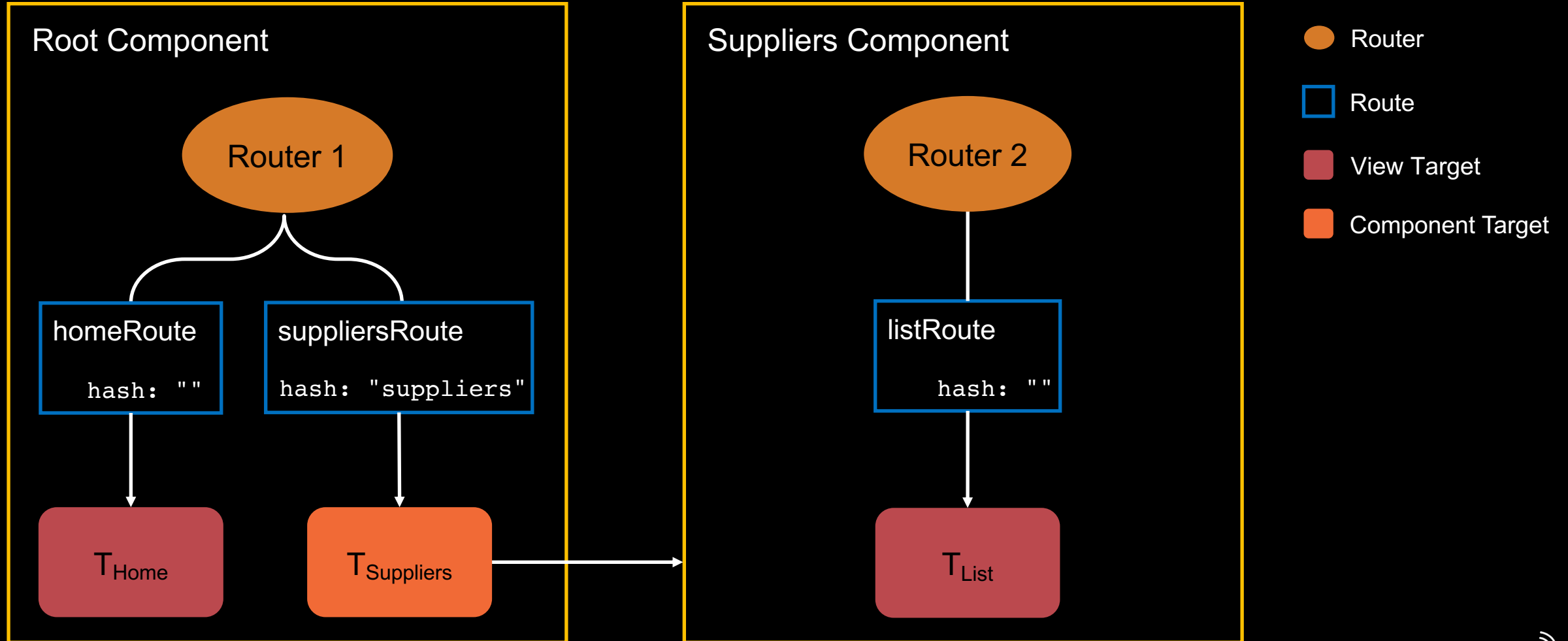
Routing Configuration

the well known part

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

Navigation with Nested Component

Overview



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"  
  }  
}
```

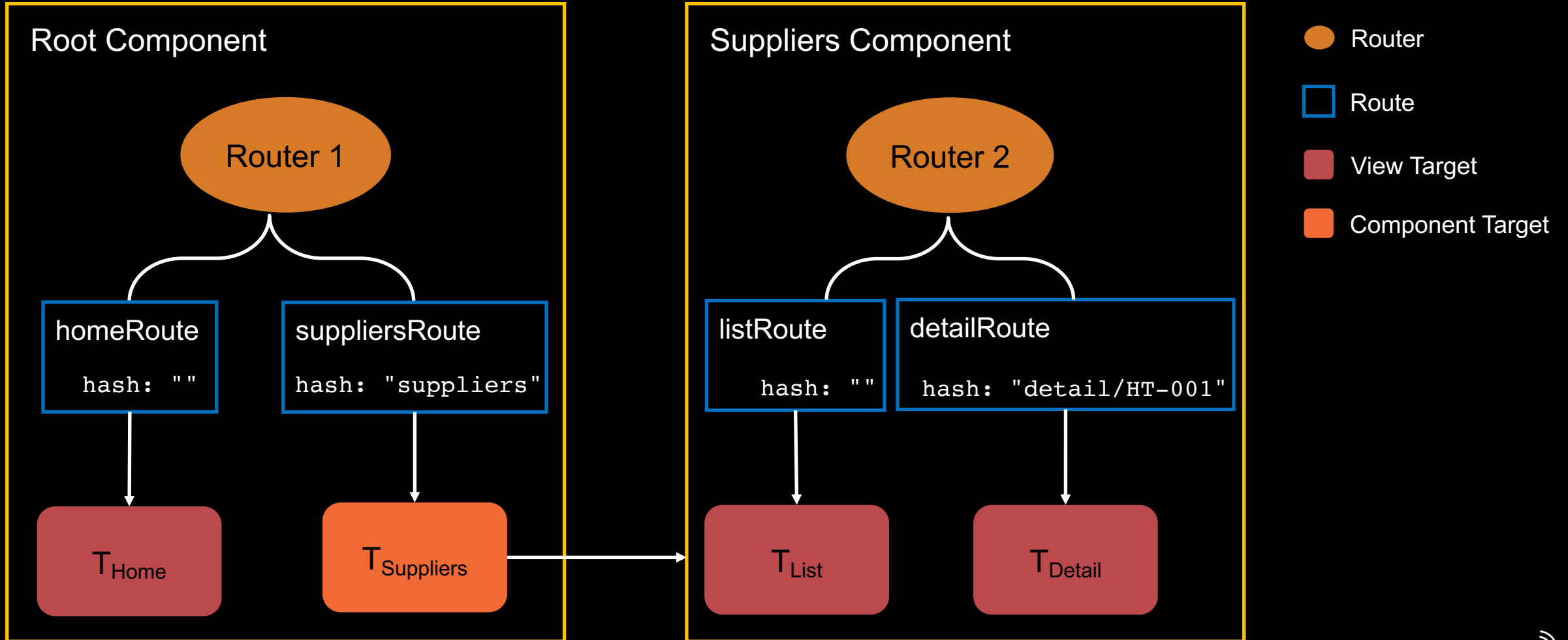
Navigation with Nested Component

Step 3(a): Use the router to navigate

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

Navigation with Nested Component

Overview - Advanced



Navigation with Nested Component

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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