

# Exercise 4

*Extend application using previously build Service*

# Table of Contents

1. Objectives .....	1
2. Add the new Ratings service .....	2
2.1. Create new destination .....	2
2.2. Change the dev space .....	2
2.3. Add the Ratings model <a href="#">manifest.json</a> .....	3
2.4. Add the Ratings model to <a href="#">xs-app.json</a> .....	3
2.5. Add content to View .....	4
2.6. Modify Details controller .....	5
2.7. Test Configuration .....	5
2.8. Redeploy the app .....	5
2.9. Build mta archive .....	5
2.10. Deploy the App .....	6

## 1. Objectives

- Extend our application by the newly created Ratings service
- Add the Rating view
- Redeploy the application

## 2. Add the new Ratings service

### 2.1. Create new destination

Destination Configuration

Name: \* Ratings\_srv
Type: HTTP
Description:
URL: \* https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.ondemand.com/
Proxy Type: Internet
Authentication: NoAuthentication

Additional Properties

HTML5.Dyna... true
WebIDEEEnabled true
WebIDESystem Ratings
WebIDEUsage odata\_gen
☒ Use default JDK truststore

Edit Clone Export Delete Check Connection

Attribute	Value
Name	Ratings
Type	HTTP
Description	Rating service
URL	<a href="https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.ondemand.com/">https://ratings-srv-srv-busy-oribi-wz.cfapps.eu10.hana.ondemand.com/</a> (URL of your service from previous exercise)
Proxy Type	Internet
Authentication	NoAuthentication

Table 1. Destination configuration

Parameter	value
HTML5.DynamicDestination	true
WebIDEEEnabled	true
WebIDESystem	Ratings
WebIDEUsage	odata_gen

Table 2. Parameters

### 2.2. Change the dev space

Our dev space from previous exercise has to be stopped and we need to start the [fiori](#) devspace.











## Dev Spaces

Create and manage your development environment according to the type of applications you want to develop.

You can add extensions and tools to further enhance your development options.

Create Dev Space

You are allowed a maximum number of 2 dev spaces, and only 1 can be run at a time.

 <b>fiori</b> SAP Fiori	<b>STOPPED</b>	Created On 07.10.2020 16:56	ID ws-wbp9x	   
 <b>dev</b> SAP Cloud Business Application	<b>RUNNING</b>	Created On 14.09.2020 21:08	ID ws-bbk8w	   

### 2.3. Add the Ratings model manifest.json

Add following code to `manifest.json` under elements `Datasources` and `'Models'`.

`manifest.json` → `Datasources`

```
"ratingsService": {
  "uri": "Ratings/ratings/",
  "type": "OData",
  "settings": {
    "odataVersion": "4.0"
  }
}
```

`manifest.json` → `Models`

```
"ratings": {
  "dataSource": "ratingsService",
  "settings": {
    "synchronizationMode": "None",
    "updateGroupId": "myAppUpdateGroup"
  }
}
```

### 2.4. Add the Ratings model to xs-app.json

Add new route to `xs-app.json`.

`xs-app.json`

```
{
  "authenticationType": "none",
  "csrfProtection": false,
  "source": "^/Ratings/(.*)$",
  "destination": "Ratings",
  "target": "$1"
}
```

## 2.5. Add content to View

In file `View.xml` add Form `IconTabFilter` "Reviews".

`View.xml`

```
<IconTabFilter text="Reviews" id="filter2">
  <content>
    <!-- insert here -->
  </content>
</IconTabFilter>
```

Form for Reviews

```
<form:Form id="FormRatings"
  editable="false">
  <form:layout>
    <form:ResponsiveGridLayout
      labelSpanXL="1"
      labelSpanL="1"
      labelSpanM="1"
      labelSpanS="2"
      adjustLabelSpan="false"
      emptySpanXL="0"
      emptySpanL="0"
      emptySpanM="0"
      emptySpanS="0"
      columnsXL="2"
      columnsL="2"
      columnsM="1"
      singleContainerFullSize="false" />
    </form:layout>
    <form:formContainers>
      <form:FormContainer>
        <form:formElements>
          <form:FormElement label="5 stars">
            <form:fields>
              <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star5Perc}"
showValue="true" state="Warning" />
            </form:fields>
          </form:FormElement>
          <form:FormElement label="4 stars">
            <form:fields>
              <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star4Perc}"
showValue="true" state="Warning" />
            </form:fields>
          </form:FormElement>
          <form:FormElement label="3 stars">
            <form:fields>
              <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star3Perc}"
showValue="true" state="Warning" />
            </form:fields>
          </form:FormElement>
          <form:FormElement label="2 stars">
            <form:fields>
              <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star2Perc}"
showValue="true" state="Warning" />
            </form:fields>
          </form:FormElement>
          <form:FormElement label="1 stars">
            <form:fields>
              <ProgressIndicator class="sapUiSmallMarginBottom" percentValue="{ratings>star1Perc}"
showValue="true" state="Warning" />
            </form:fields>
          </form:FormElement>
        </form:formElements>
      </form:FormContainer>
    </form:formContainers>
  </form:Form>
  <Table id="lineRatingsList" width="auto" items="{path:'ratings>Ratings'}"
noDataText="{i18n>detailLineItemTableNoDataText}" >
```

```

<headerToolbar>
  <Toolbar>
    <Title id="lineItemsTitle1" text="{detailView>/lineItemListTitle}" titleStyle="H3" level="H3"/>
    <content/>
  </Toolbar>
</headerToolbar>
<columns>
  <Column>
    <Text text="Name"/>
  </Column>
  <Column minScreenWidth="Tablet" demandPopin="true" hAlign="End">
    <Text text="Rating"/>
  </Column>
</columns>
<items>
  <ColumnListItem>
    <cells>
      <ObjectIdentifier title="{ratings>Name}"/>
      <ObjectIdentifier title="{ratings>Rating}"/>
    </cells>
  </ColumnListItem>
</items>
</Table>

```

## 2.6. Modify Details controller

\_onBindingChange

```

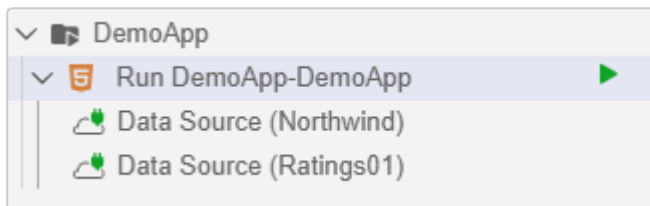
var sRatingsPath = "ratings>/ProductRatings(" + sObjectId + ")",
oForm = this.byId("FormRatings"),
oTable = this.byId("lineRatingsList");

oForm.bindElement(sRatingsPath);
oTable.bindElement({path : sRatingsPath, parameters : {$expand : 'Ratings'}});

```

## 2.7. Test Configuration

- we need to bind the new service



## 2.8. Redeploy the app

Since we improved our app, let's increment the version in `package.json`

`package.json`

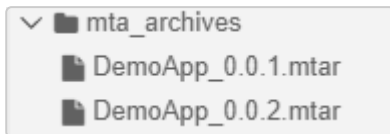
```
"version": "0.0.2"
```

Change the version also in `mta-yaml` to `version: 0.0.2`

## 2.9. Build mta archive

Right click on `mta.yaml` and click Build MTA

After build completed a new '\*.mtar' file with corresponding version will be added to folder 'mta\_archives'



## 2.10. Deploy the App

Right click on the [DemoApp\\_0.0.2.mtar](#) and click on 'Deploy MTA Archive'.  
Our app is ready.