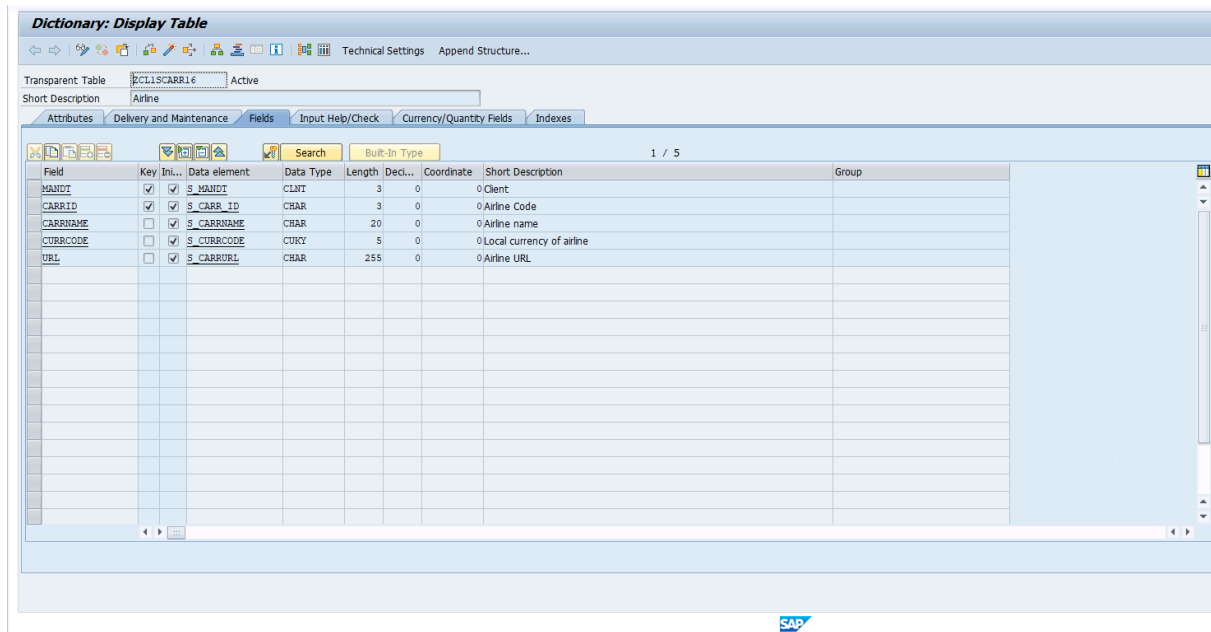


RAP CRUD 실습



- SCARR 테이블을 복사한 CBO 테이블 생성

Root View

New Data Definition

Data Definition

Create a data definition

D

Project: *

S4D_100_train-16_en

Browse...

Package: *

STMP

Browse...

☐ Add to favorite packages

Name: *

zvcds_root_scarr_16

Description: *

[C1] Root view scarr

Original Language:

EN

Referenced Object:

Browse...

?

< Back

Next >

Finish

Cancel

New Data Definition

Data Definition

Create a data definition

D

Project: *

S4D_100_train-16_en

Browse...

Package: *

\$TMP

Browse...

☐ Add to favorite packages

Name: *

zvcds_proj_scarr_16

Description: *

[C1] Proj view scarr

Original Language:

EN

Referenced Object:

Browse...


?

< Back

Next >


Finish

Cancel

 New Data Definition
 — □ ×

Templates

Select one of the available templates.





☒ Use the selected template

Name	Description
▼ View (creation)	
defineViewEntity	Define View Entity
defineRootViewEntity	Define Root View Entity
defineViewEntityWithToParentAssociation	Define View Entity with To-Parent Association
defineView	Define View (obsolete as of AS ABAP 7.57)
▼ Projection View (creation)	
defineProjectionView	Define Projection View
defineAnalyticalProjectionView	Define Analytical Projection View

```

@AccessControl.authorizationCheck: #NOT_REQUIRED
@EndUserText.label: '${ddl_source_description}'
@Metadata.ignorePropagatedAnnotations: true
define view entity ${ddl_source_name} as projection on ${data_source_name}
{
    ${data_source_elements}${cursor}
}
    
```

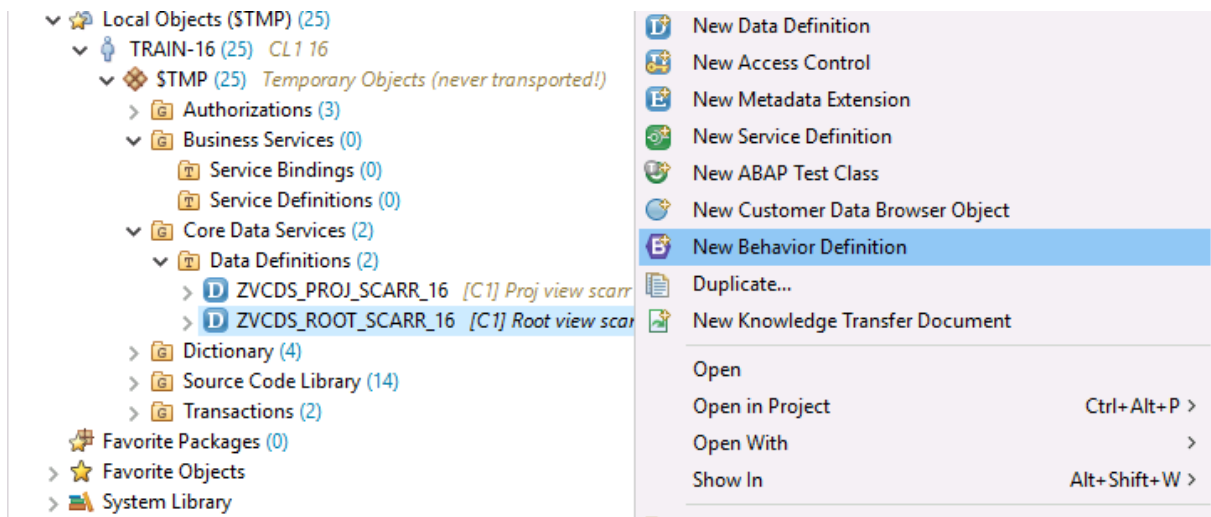

< Back
Next >
Finish
Cancel

 [S4D] ZVCDs_PROJ_SCARR_16 ×

```

1 @AccessControl.authorizationCheck: #NOT_REQUIRED
2 @EndUserText.label: '[C1] Proj view scarr'
3 @Metadata.ignorePropagatedAnnotations: true
4 @Metadata.allowExtensions: true
5 define root view entity zvcds_proj_scarr_16 as projection on zvcds_root_scarr_16
6 {
7     key Carrid,
8     Carrname,
9     Currcode,
10    Url
11 }
    
```

Root Behavior



- Behavior 생성

- Behavior Description 정의

```

B [S4D] ZVCDS_ROOT_SCARR_16 X
1 managed; // implementation in class zbp_vcds_root_scarr_16 unique;
2 |
3 define behavior for zvcds_root_scarr_16 //alias <alias_name>
4 persistent table zcllscarr16
5 lock master
6 {
7     create;
8     update;
9     delete;
10 }

```

- Create, Delete, Update 여부 설정

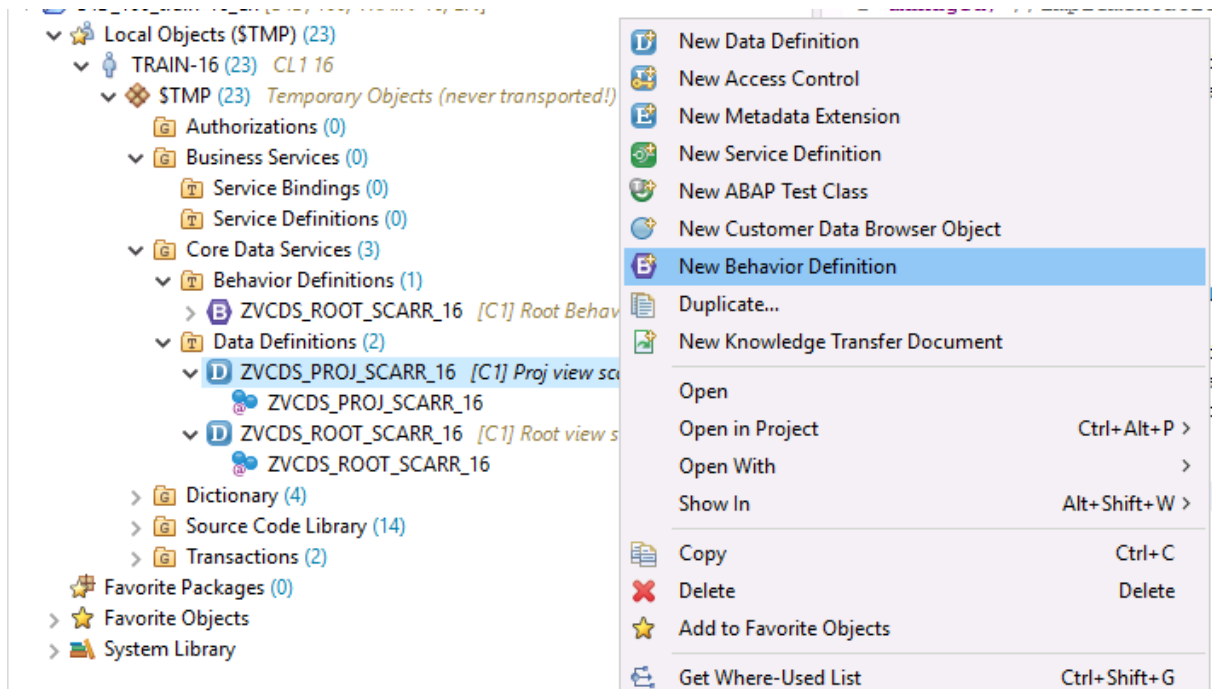
```

B [S4D] ZVCDS_ROOT_SCARR_16 X
1 managed; //implementation in class zbp_vcds_root_scarr_16 unique;
2
3 define behavior for zvcds_root_scarr_16 //alias <alias_name>
4 persistent table zcllscarr16
5 lock master
6 {
7     create;
8     update;
9     delete;
10
11 mapping for zcllscarr16 corresponding
12 {
13     Carrid      = carrid;
14     Carrname    = carrname;
15     Currcode    = currcode;
16     Url         = url;
17 }
18 }

```

- 필드 매핑

Projection Behavior



Behavior Definition

Create Behavior Definition

Project: *	S4D_100_train-16_en
Package: *	\$TMP
<input type="checkbox"/> Add to favorite packages	
Name:	ZVCDS_PROJ_SCARR_16
Description: *	[C1] Proj behavior scarr
Original Language:	EN
Root Entity: *	ZVCDS_PROJ_SCARR_16
Implementation Type: *	Projection

?
< Back
Next >
Finish

```

1 projection;
2
3 define behavior for zvcds_proj_scarr_16 //alias <alias_name>
4 {
5     use create;
6     use update;
7     use delete;
8 }
  
```

MetaData Extention

- Local Objects (\$TMP) (24)
 - TRAIN-16 (24) CL1 16
 - \$TMP (24) Temporary Objects (never transported!)
 - Authorizations (0)
 - Business Services (0)
 - Service Bindings (0)
 - Service Definitions (0)
 - Core Data Services (4)
 - Behavior Definitions (2)
 - ZVCDS_PROJ_SCARR_16 [C1] Proj behavior
 - ZVCDS_ROOT_SCARR_16 [C1] Root Behavior
 - Data Definitions (2)
 - ZVCDS_PROJ_SCARR_16 [C1] Proj view scarr
 - ZVCDS_ROOT_SCARR_16 [C1] Root view scarr
 - Dictionary (4)
 - Source Code Library (14)
 - Transactions (2)
 - Favorite Packages (0)
 - Favorite Objects
 - System Library

- New Data Definition
- New Access Control
- New Metadata Extension
- New Service Definition
- New ABAP Test Class
- New Customer Data Browser Object
- New Behavior Definition
- Duplicate...
- New Knowledge Transfer Document

- Open
- Open in Project Ctrl+Alt+P >
- Open With >
- Show In Alt+Shift+W >

- Copy Ctrl+C
- Delete Delete
- Add to Favorite Objects

- Get Where-Used List Ctrl+Shift+G

New Metadata Extension

Metadata Extension

Create a metadata extension

Project: * S4D_100_train-16_en Browse...

Package: * \$TMP Browse...

☐ Add to favorite packages

Name: * ZVCDS_PROJ_SCARR_16

Description: * [C1] Metadata Extension scarr

Original Language: EN

Extended Entity: ZVCDS_PROJ_SCARR_16 Browse...

?

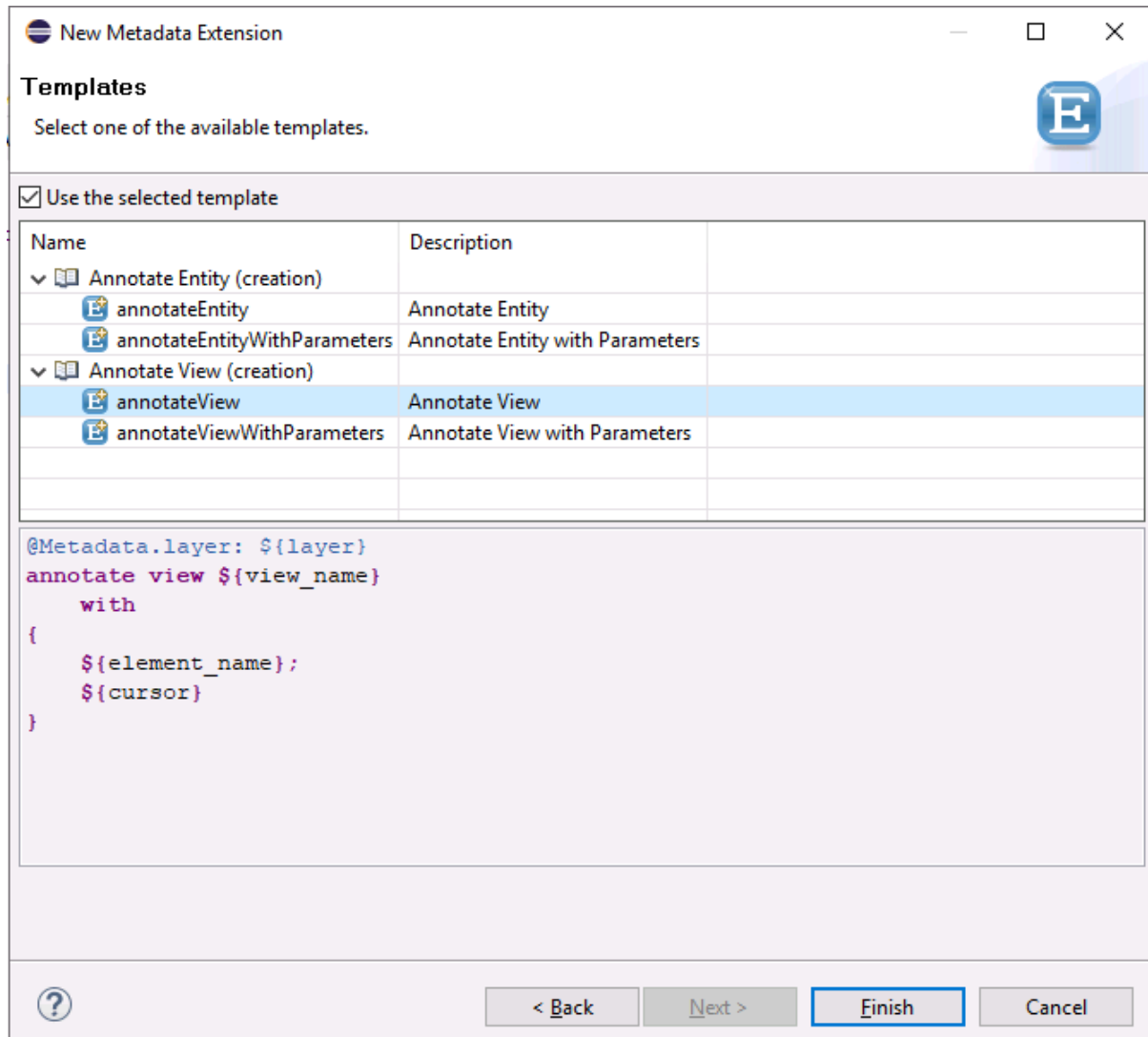
< Back

Next >

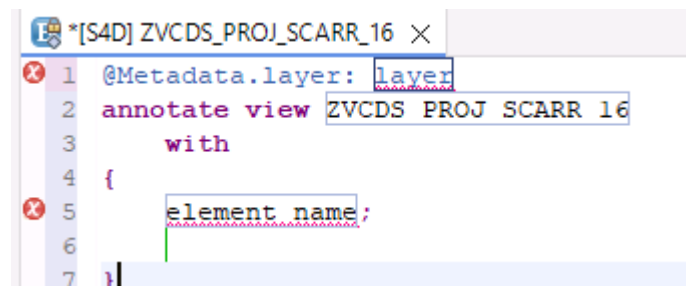
Finish

Cancel

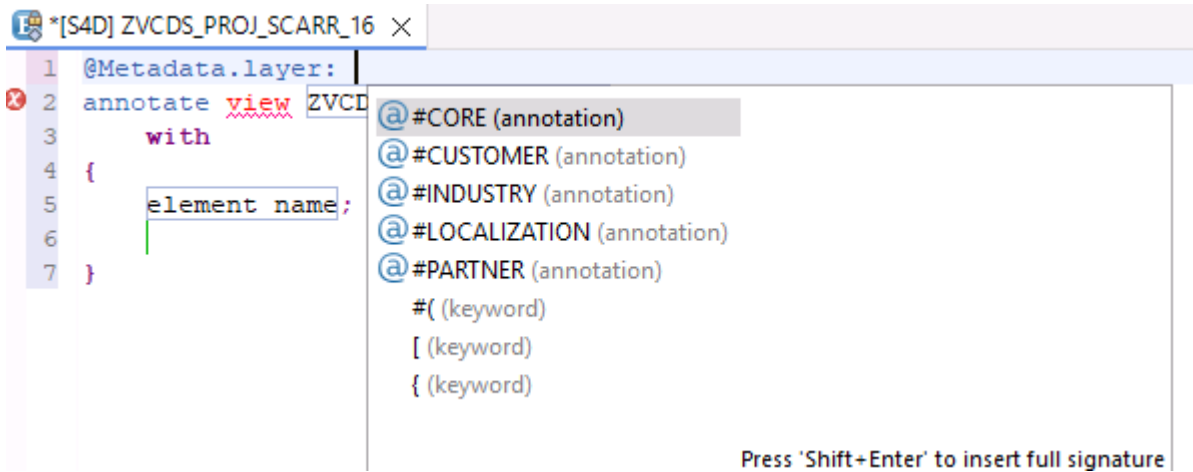
- Projection view와 이름 동일하게



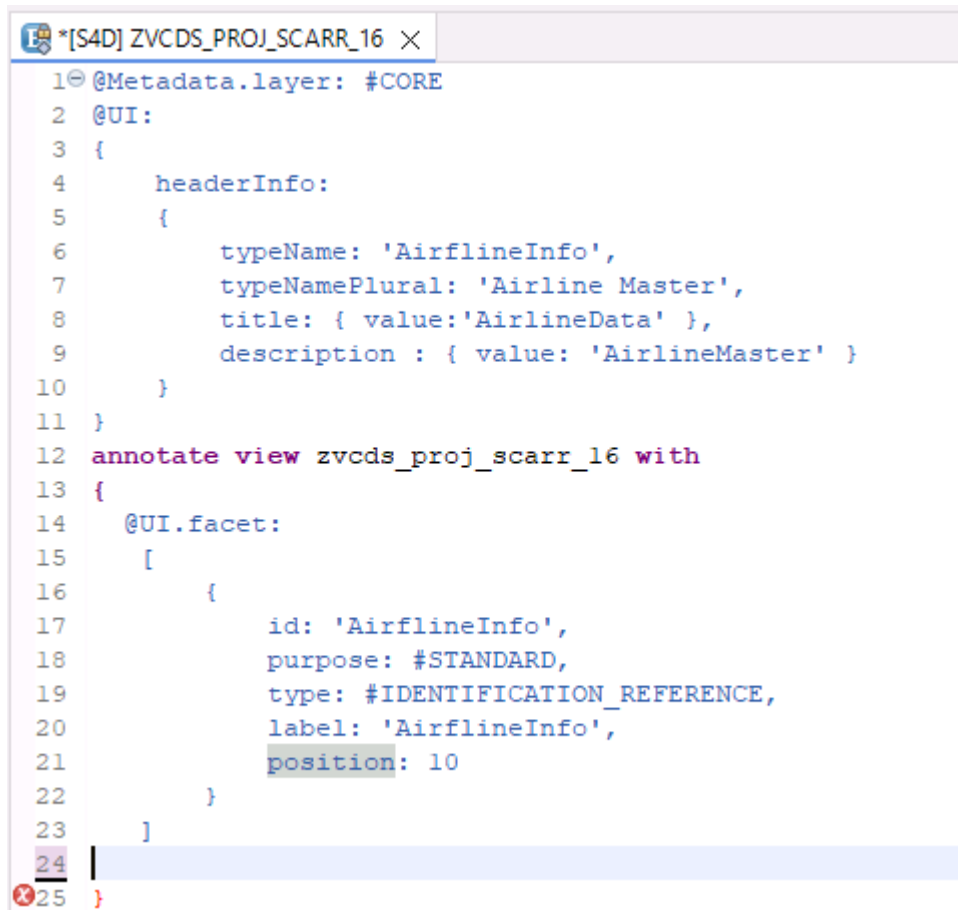
- Annotate View에서 annotateView Template 선택



- 초기 상태



- 초기 상태에서 layer 지우고 CORE 선택



- 밑의 @UI 코드 참조하여 필드 추가

```

@Metadata.layer: #CORE
@UI:
{
    headerInfo:

```

```

{
    typeName: 'MatInfor',
    typeNamePlural: 'MatInformation',
    title: { value: 'MatInfor' },
    description : { value: 'MaterialDescription' }
}
}

```

annotate view zc200_pv_03 with

```

{
    @UI.facet:
    [
        {
            id: 'MainInfor',
            purpose: #STANDARD,
            type: #IDENTIFICATION_REFERENCE,
            label: 'MainInfor',
            position: 10
        }
    ]

    @UI:
    {
        lineItem:
        [
            {
                position: 10,
                label: 'Material Code',
                importance: #HIGH
            }
        ],
        identification:
        [
            {
                position: 10,
                label: '자재코드',
                importance: #HIGH
            }
        ]
    }
}

```

```

    ]
  }
  Matnr;

  @UI:
  {
    lineItem:
    [
      {
        position: 20,
        label: 'Material Type',
        importance: #HIGH
      }
    ],
    identification:
    [
      {
        position: 20,
        label: 'Mat.Type',
        importance: #HIGH
      }
    ]
  }
  Mtart;

  @UI:
  {
    lineItem:
    [
      {
        position: 30,
        label: 'Material Group',
        importance: #HIGH
      }
    ],
    identification:
    [
      {

```

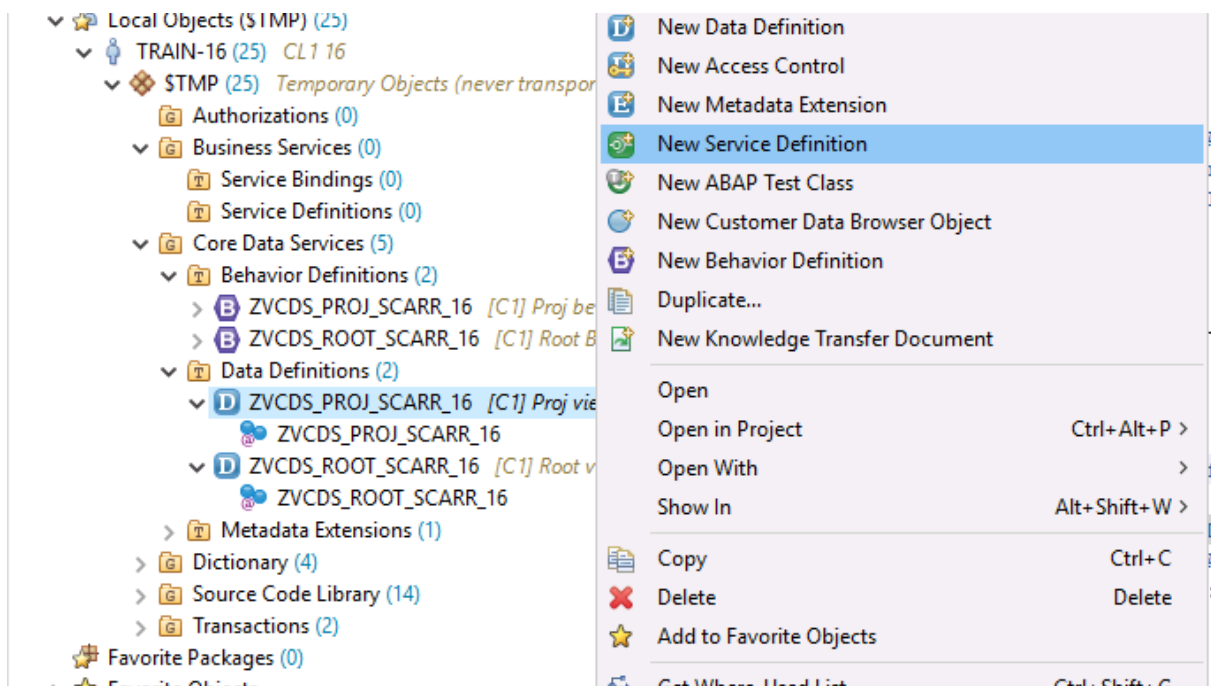
```

        position: 30,
        label: 'Mat.Group',
        importance: #HIGH
    }
]
}
Matkl;
}

```

- 필드 추가 코드

Create Service



Service Definition

Create a service definition



Project: *	<input type="text" value="S4D_100_train-16_en"/>	<input type="button" value="Browse..."/>
Package: *	<input type="text" value="STMP"/>	<input type="button" value="Browse..."/>
<input type="checkbox"/> Add to favorite packages		
Name: *	<input type="text" value="ZVCDS_PROJ_SCARR_16_SRV"/>	
Description: *	<input type="text" value="[C1] RAP Airline master OData Service"/>	
Original Language:	<input type="text" value="EN"/>	
Referenced Object:	<input type="text" value="ZVCDS_PROJ_SCARR_16"/>	<input type="button" value="Browse..."/>



< Back

Next >

Finish

Cancel

```
[S4D] ZVCDS_PROJ_SCARR_16_SRV ×  
1 @EndUserText.label: '[C1] RAP Airline master OData Service'  
2 define service ZVCDS_PROJ_SCARR_16_SRV {  
3   expose zvcds_proj_scarr_16 as AirlineSet;  
4 }
```

Service Binding

Project Explorer x Relation Explorer

S4D_100_train-16_en [S4D, 100, TRAIN-16, EN]

- Local Objects (STMP) (26)
 - TRAIN-16 (26) CL1 16
 - STMP (26) Temporary Objects (never transported!)
 - Authorizations (0)
 - Business Services (1)
 - Service Bindings (0)
 - Service Definitions (1)
 - ZVCDS_PROJ_SCARR_16_SRV [C1] RAP Airline
 - Core Data Services (5)
 - Behavior Definitions (2)
 - ZVCDS_PROJ_SCARR_16 [C1] Proj behavior scarr
 - ZVCDS_ROOT_SCARR_16 [C1] Root Behavior scarr
 - Data Definitions (2)
 - ZVCDS_PROJ_SCARR_16 [C1] Proj view scarr
 - ZVCDS_PROJ_SCARR_16
 - ZVCDS_ROOT_SCARR_16 [C1] Root view scarr
 - ZVCDS_ROOT_SCARR_16
 - Metadata Extensions (1)
 - Dictionary (4)
 - Source Code Library (14)
 - Transactions (2)

[S4D] ZVCDS_PROJ_SCARR_16_SRV x

```

1 @EndUserText.label: '[C1] Proj behavior scarr'
2 define service ZVCDS_PROJ_SCARR_16_SRV
3   expose zvcds_proj_scarr_16_srv
4 }

```

New Service Definition
 New Service Binding
 Duplicate...
 New Knowledge Transfer Document

Open
 Open in Project Ctrl+Alt+P >
 Show In Alt+Shift+W >
 Copy Ctrl+C
 Delete Delete
 Add to Favorite Objects

New Service Binding

Service Binding

Specify a value for field 'Description'

Project: * S4D_100_train-16_en Browse...

Package: * STMP Browse...

☐ Add to favorite packages

Name: * ZVCDS_PROJ_SCARR_16_CDS

Description: *

Original Language: EN

Binding Type: * <Select binding type>

Service Definition: * ZVCDS_PROJ_SCARR_16_SRV Browse...



< Back

Next >

Finish

Cancel

New Service Binding

Service Binding

i Specify a value for field 'Binding Type'

Project: * S4D_100_train-16_en

Package: * STMP

☐ Add to favorite packages

Name: * ZVCDS_PROJ_SCARR_16_CDS

Description: * RAP Aorline OData service binding

Original Language: EN

Binding Type: * <Select binding type>

Service Definition: * <Select binding type>
 OData V2 - UI
 OData V2 - Web API
 OData V4 - UI
 OData V4 - Web API

[S4D] ZVCDS_PROJ_SCARR_16_CDS

Service Binding: ZVCDS_PROJ_SCARR_16_CDS

General Information
 This section describes general information about this service binding
 Binding Type: OData V2 - UI

Service Versions
 Define service versions associated with the service binding

type filter text

Version	Service Definition
0001	ZVCDS_PROJ_SCARR_16_SRV

Add... Remove

Service Version Details
 View information on selected service version

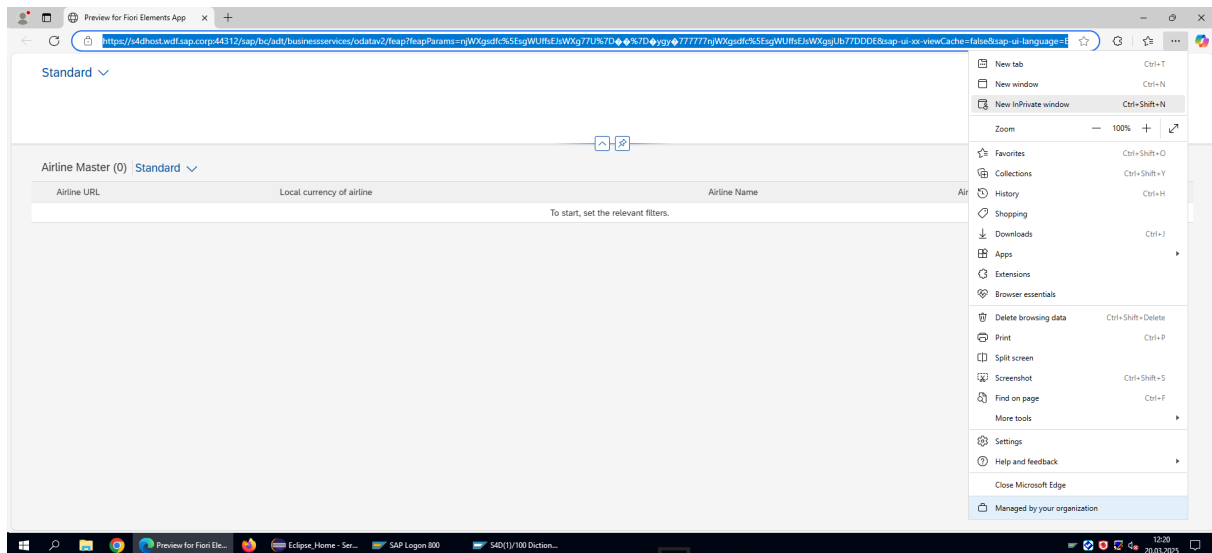
Local Service Endpoint: Published Unpublish

Service Information
 Service URL: /sap/opu/odata/sap/ZVCDS_PROJ_SCARR_16_CDS

type filter text

Entity Set and Association
 AirlineSet

Preview...



- Preview 이후 우측 상단 ... 을 클릭하여 InPrivate Window로 이동

SAP Learning Class Training Desktop 16 CES Survey

Standard

Adapt Filters Go

Airline Master (20) Standard

Airline URL	Local currency of airline	Airline Name	Airline Code
<input type="radio"/> http://www.aa.com	USD	American Airlines	AA
<input type="radio"/> http://www.airberlin.de	EUR	Air Berlin	AB
<input type="radio"/> http://www.aircanada.ca	CAD	Air Canada	AC
<input type="radio"/> http://www.airfrance.fr	EUR	Air France	AF
<input type="radio"/> http://www.alitalia.it	EUR	Alitalia	AZ
<input type="radio"/> http://www.british-airways.com	GBP	British Airways	BA
<input type="radio"/> http://www.continental.com	USD	Continental Airlines	CO
<input type="radio"/> http://www.delta-air.com	USD	Delta Airlines	DL
<input type="radio"/> http://www.airpacific.com	USD	Air Pacific	FJ
<input type="radio"/> http://www.jal.co.jp	JPY	Japan Airlines	JL
<input type="radio"/> http://www.aa.com	KRW	Korea Airlines	KA
<input type="radio"/> http://www.aa.com	KRW	American Airlines	KK
<input type="radio"/> http://www.lufthansa.com	EUR	Lufthansa	LH