

Exercise 10I –Create Behavior Definition

SAP Partner Workshop



5 min

Description

In this exercise, you'll learn how:

- Create Behavior Definition.

Prerequisites

- You have completed the steps mentioned until Exercise 10G.

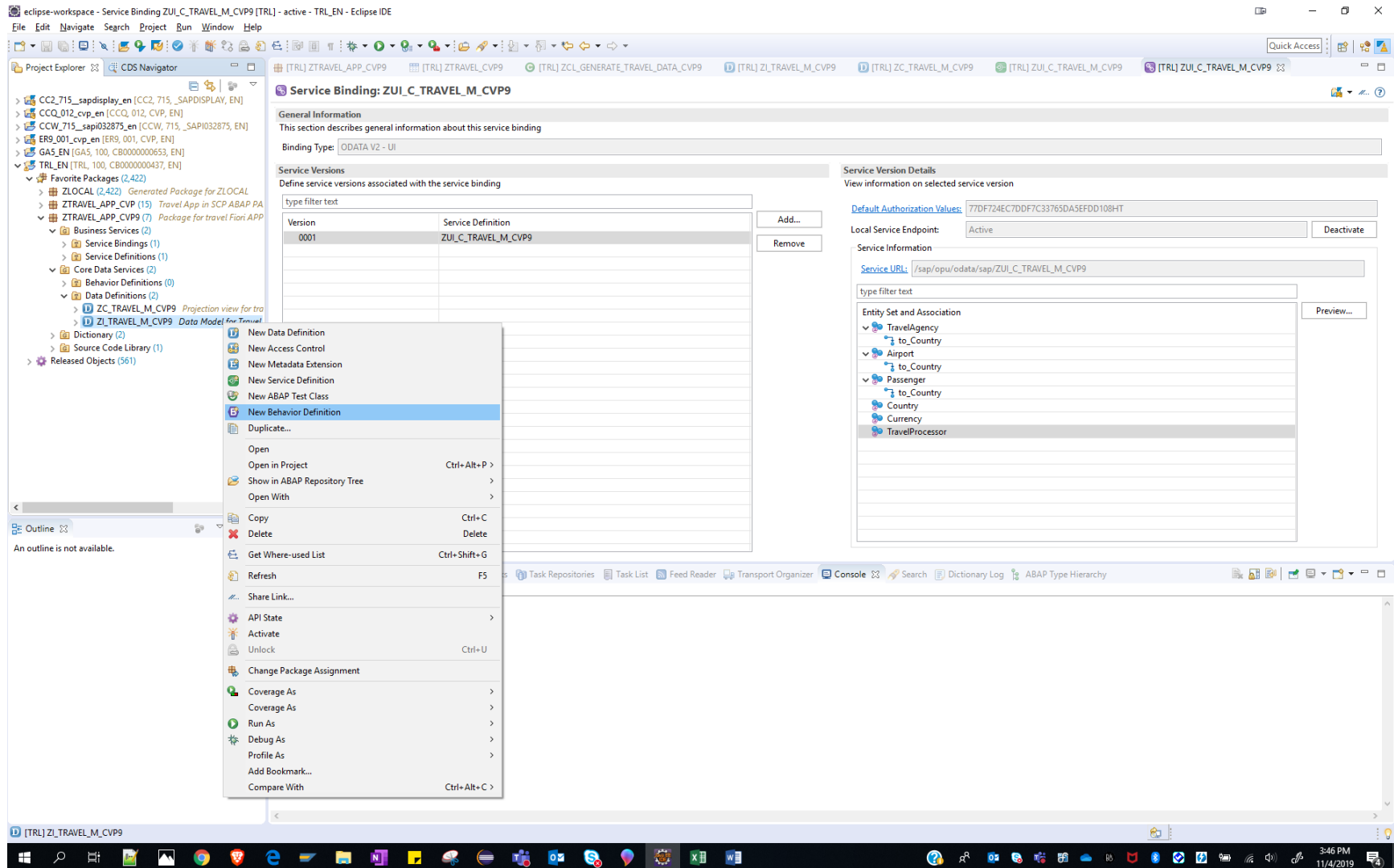
Target group

- Developers
- People interested in learning about development in ABAP env in SAP Cloud Platform with focus on RAP model.

Goal

The goal of this exercise is to create a **behavior definition** is created and determines the create, update and delete functionality.

Right-click on your data definition `ZI_TRAVEL_M_XXX` and select **New Behavior Definition**.



Replace the generated code with the following code,

```
managed implementation in class ZCL_BP_I_TRAVEL_M_XXX unique;

define behavior for ZI_Travel_M_XXX alias Travel
persistent table ztravel_xxx
etag last_changed_at
lock master
{
// administrative fields (read only)
field ( readonly ) last_changed_at, last_changed_by, created_at, created_by;

// mandatory fields that are required to create a travel
field ( mandatory ) agency_id, overall_status, booking_fee, currency_code;

// dynamic field control
field ( features : instance ) travel_id;

// standard operations for travel entity
create;
update;
delete;
}
```

Replace XXX with the name with actual name in the code copied.

Example:

```
managed implementation in class ZCL_BP_I_TRAVEL_M_CVP9 unique;

define behavior for ZI_Travel_M_CVP9 alias Travel
persistent table ztravel_cvp9
etag last_changed_at
lock master
{
// administrative fields (read only)
field ( readonly ) last_changed_at, last_changed_by, created_at, created_by;

// mandatory fields that are required to create a travel
field ( mandatory ) agency_id, overall_status, booking_fee, currency_code;

// dynamic field control
field (features : instance ) travel_id;

// standard operations for travel entity
create;
update;
delete;
}
```

Click Save (Ctrl-S) and Activate (Ctrl-F3).

Project Explorer

CC2_715_sapdisplay_en [CC2, 715, _SAPDISPLAY, EN]

CCQ_012_cvp_en [CCQ, 012, CVP, EN]

CCW_715_sapi032875_en [CCW, 715, _SAPI032875, EN]

ER9_001_cvp_en [ER9, 001, CVP, EN]

GA5_EN [GA5, 100, CB00000000653, EN]

TRL_EN [TRL, 100, CB00000000437, EN]

Favorite Packages (2,423)

ZLOCAL (2,423) Generated Package for ZLOCAL

ZTRAVEL_APP_CVP (15) Travel App in SCP ABAP PA

ZTRAVEL_APP_CVP9 (8) Package for travel Fiori APP

Business Services (2)

Service Bindings (1)

Service Definitions (1)

Core Data Services (3)

Behavior Definitions (1)

Data Definitions (2)

ZC_TRAVEL_M_CVP9 Projection view for tra

ZI_TRAVEL_M_CVP9 Data Model for Travel

Dictionary (2)

Source Code Library (1)

Released Objects (561)

Outline

ZI_Travel_M_CVP9 - Travel

create

update

delete

[TRL] ZTRAVEL_APP_CVP9

[TRL] ZTRAVEL_CVP9

[TRL] ZCL_GENERATE_TRA...

[TRL] ZI_TRAVEL_M_CVP9

[TRL] ZC_TRAVEL_M_CVP9

[TRL] ZUL_C_TRAVEL_M_C...

[TRL] ZUL_C_TRAVEL_M_C...

[TRL] ZI_TRAVEL_M_CVP9

Quick Access

1 managed implementation in class ZCL_BP_I_TRAVEL_M_CVP9 unique;

2

3 define behavior for ZI_Travel_M_CVP9 alias Travel

4 persistent table ztravel_cvp9

5 etag last_changed_at

6 lock master

7 {

8 // administrative fields (read only)

9 field (readonly) last_changed_at, last_changed_by, created_at, created_by;

10

11 // mandatory fields that are required to create a travel

12 field (mandatory) agency_id, overall_status, booking_fee, currency_codes;

13

14 // dynamic field control

15 field (features : instance) travel_id;

16

17 // standard operations for travel entity

18 create;

19 update;

20 delete;

21 }

Problems

Properties

Templates

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Task Repositories

Task List

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Transport Organizer

Console

Search

Dictionary Log

ABAP Type Hierarchy

ABAP Console

Activation for ZI_TRAVEL_M_CVP9 successful

Read-Only

Smart Insert

21 : 2

TRL, 100, <https://aa610e14-7427-4ed6-8cbb-b40ba5929eec.abap.eu10.hana.ondemand.com>, CB00000000437, EN

Project Explorer

- CC2_715_sapdisplay.en [CC2_715_SAPDISPLAY, EN]
- CCQ_012_cvp.en [CCQ_012_CVP, EN]
- CCW_715_sap032875.en [CCW_715_SAP032875, EN]
- ER9_001_cvp.en [ER9_001_CVP, EN]
- GAS_EN [GAS_100_CB0000000437, EN]
- TRL_EN [TRL_100_CB0000000437, EN]
- Favorite Packages (2,423)
 - ZLOCAL (2,423) Generated Package for ZLOCAL
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 - Behavior Definitions (1)
 - Data Definitions (2)
 - ZC_TRAVEL_M_CVP9 Projection view for tra
 - ZI_TRAVEL_M_CVP9 Data Model for Travel
 - Dictionary (2)
 - Source Code Library (1)
 - Released Objects (561)

Outline

- ZI_Travel_M_CVP9 - Travel
 - create
 - update
 - delete

ABAP Console

```
1 managed implementation in class ZCL_BP_I_TRAVEL_M_CVP9 unique;
2
3 define behavior for ZI_Travel_M_CVP9 alias Travel
4 persistent table ztravel_cvp9
5 etag last_changed_at
6 lock master
7 {
8 // administrative fields (read only)
9 field ( readonly ) last_changed_at, last_changed_by, created_at, created_by;
10
11 // mandatory fields that are required to create a travel
12 field ( mandatory ) agency_id, overall_status, booking_fee, currency_code;
13
14 // dynamic field control
15 field ( features : instance ) travel_id;
16
17 // standard operations for travel entity
18 create;
19 update;
20 delete;
21 }
```

Activation for ZI_TRAVEL_M_CVP9 successful

Read-Only Smart Insert 21:2 TRL_100, <https://aa610e14-7427-4ed6-8cbb-b40ba5929eec.abap.eu10.hana.ondemand.com>, CB0000000437, EN

