

Exercise 10J –Create Behavior Implementation

SAP Partner Workshop



10 min

Description

In this exercise, you'll learn how:

- Create Behavior Implementation.

Prerequisites

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

Target group

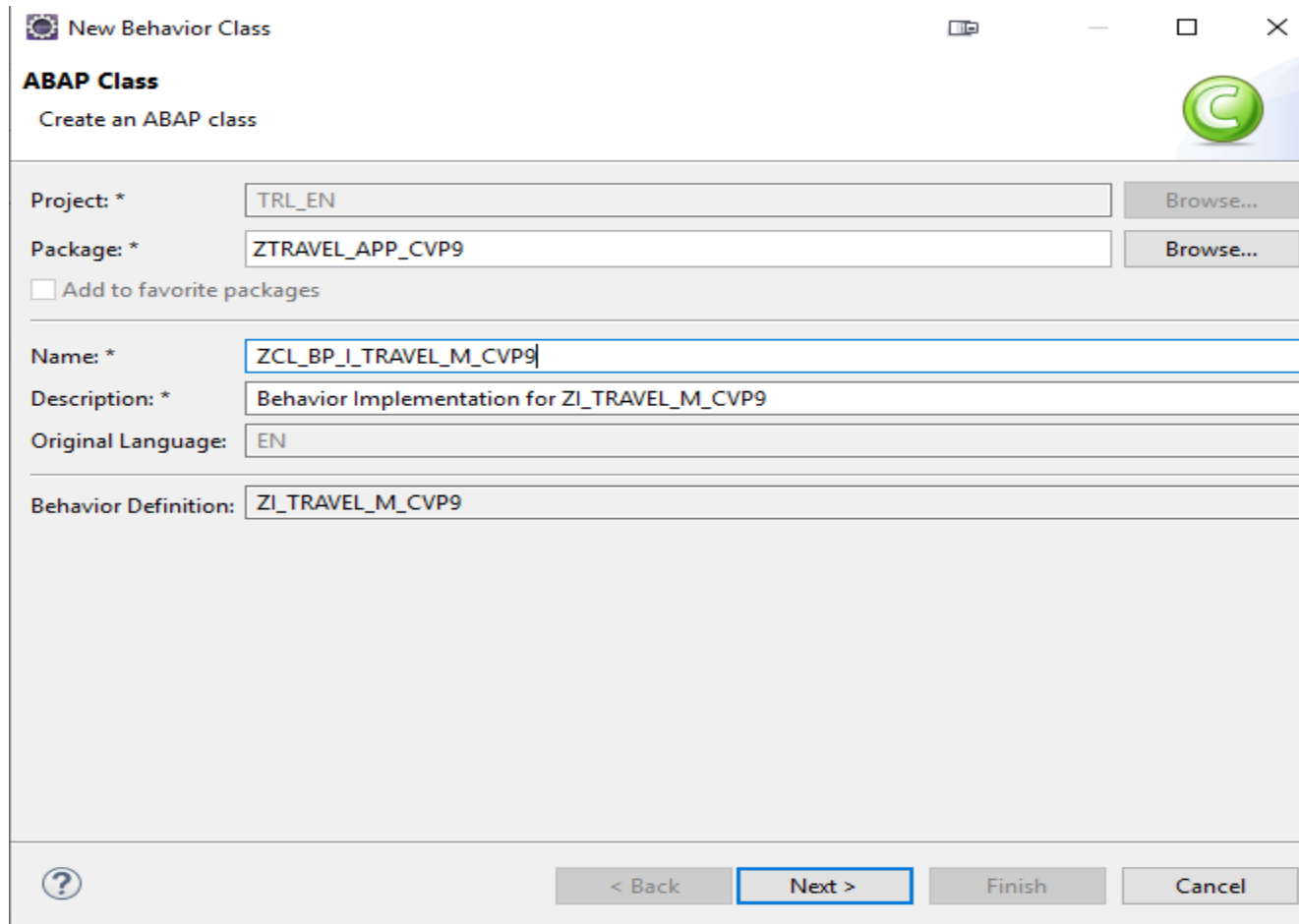
- Developers
- People interested in learning about development in ABAP env in SAP Cloud Platform with focus on RAP model.

Goal

The goal of this exercise is to create a **behavior implementation** for the managed approach which takes care of automatic implementation of Create, Update and Delete operation.

Right-click on your behavior definition ZI_TRAVEL_M_XXX and select **New Behavior Implementation**.

Name: ZCL_BP_I_TRAVEL_M_XXX



The image shows a 'New Behavior Class' dialog box in SAP. The title bar includes a gear icon and the text 'New Behavior Class'. The main area is titled 'ABAP Class' with a sub-header 'Create an ABAP class' and a green circular icon with a 'C' on the right. The dialog contains several input fields: 'Project: *' with 'TRL_EN', 'Package: *' with 'ZTRAVEL_APP_CVP9', 'Name: *' with 'ZCL_BP_I_TRAVEL_M_CVP9', 'Description: *' with 'Behavior Implementation for ZI_TRAVEL_M_CVP9', 'Original Language:' with 'EN', and 'Behavior Definition:' with 'ZI_TRAVEL_M_CVP9'. There are 'Browse...' buttons next to the Project and Package fields, and an 'Add to favorite packages' checkbox. At the bottom, there is a help icon, a '< Back' button, a 'Next >' button (highlighted with a blue border), a 'Finish' button, and a 'Cancel' button.

New Behavior Class

ABAP Class
Create an ABAP class

Project: * TRL_EN Browse...

Package: * ZTRAVEL_APP_CVP9 Browse...

☐ Add to favorite packages

Name: * ZCL_BP_I_TRAVEL_M_CVP9

Description: * Behavior Implementation for ZI_TRAVEL_M_CVP9

Original Language: EN

Behavior Definition: ZI_TRAVEL_M_CVP9

? < Back Next > Finish Cancel

Click Next and Finish.

Replace the generated code in the global class with the following code,

```
CLASS zcl_bp_i_travel_m_xxx DEFINITION
```

```
PUBLIC
```

```
ABSTRACT
```

```
FINAL
```

```
FOR BEHAVIOR OF ZI_Travel_M_XXX.
```

```
ENDCLASS.
```

```
CLASS zcl_bp_i_travel_m_xxx IMPLEMENTATION.
```

```
ENDCLASS.
```

In your local types replace your code with following:

*** use this source file for the definition and implementation of

*** local helper classes, interface definitions and type

*** declarations

CLASS lhc_travel DEFINITION INHERITING FROM cl_abap_behavior_handler.

PRIVATE SECTION.

TYPES tt_travel_update TYPE TABLE FOR UPDATE zi_travel_m_xxx.

METHODS get_features FOR FEATURES IMPORTING keys REQUEST requested_features FOR travel
RESULT result.

ENDCLASS.

CLASS lhc_travel IMPLEMENTATION.

METHOD get_features.

ENDMETHOD.

ENDCLASS.

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

Example: Global

```
CLASS zcl_bp_i_travel_m_cvp9 DEFINITION PUBLIC ABSTRACT FINAL FOR BEHAVIOR OF zi_travel_m_cvp9.  
ENDCLASS.
```

```
CLASS zcl_bp_i_travel_m_cvp9 IMPLEMENTATION.  
ENDCLASS.
```

Local

```
*** use this source file for the definition and implementation of  
*** local helper classes, interface definitions and type  
*** declarations
```

```
CLASS lhc_travel DEFINITION INHERITING FROM cl_abap_behavior_handler.
```

```
PRIVATE SECTION.
```

```
TYPES tt_travel_update TYPE TABLE FOR UPDATE zi_travel_m_cvp9.
```

```
METHODS get_features FOR FEATURES IMPORTING keys REQUEST requested_features FOR travel RESULT  
result.
```

```
ENDCLASS.
```

```
CLASS lhc_travel IMPLEMENTATION.
```

```
METHOD get_features.  
ENDMETHOD.
```

```
ENDCLASS.
```

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

The screenshot displays the SAP IDE interface during the activation of a class. The Project Explorer on the left shows the package structure for ZTRAVEL_APP_CVP9, including ZLOCAL, ZTRAVEL_APP_CVP9, and ZTRAVEL_APP_CVP9_9. The Outline pane shows the class ZCL_BP_I_TRAVEL_M_CVP9 and its method GET_FEATURES. The main editor shows the source code of the class, which is a local helper class for the definition and implementation of the class. The code includes a private section with a type definition for tt_travel_update and a method get_features. The status bar at the bottom indicates that the activation for ZCL_BP_I_TRAVEL_M_CVP9 was successful.

```
1 *** use this source file for the definition and implementation of
2 *** local helper classes, interface definitions and type
3 *** declarations
4 CLASS lhc_travel DEFINITION INHERITING FROM cl_abap_behavior_handler.
5
6 PRIVATE SECTION.
7
8 TYPES tt_travel_update TYPE TABLE FOR UPDATE zi_travel_m_cvp9.
9
10 METHODS get_features FOR FEATURES IMPORTING keys REQUEST requested_features FOR travel RESULT result.
11
12 ENDCLASS.
13
14 CLASS lhc_travel IMPLEMENTATION.
15
16 METHOD get_features.
17 ENDMETHOD.
18
19 ENDCLASS.
```

Activation for ZCL_BP_I_TRAVEL_M_CVP9 successful

