

Exercise 10C –Create a DB Table

SAP Partner Workshop



10 min

Description

In this exercise, you'll learn how:

- Create a DB table for persistence.

Prerequisites

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

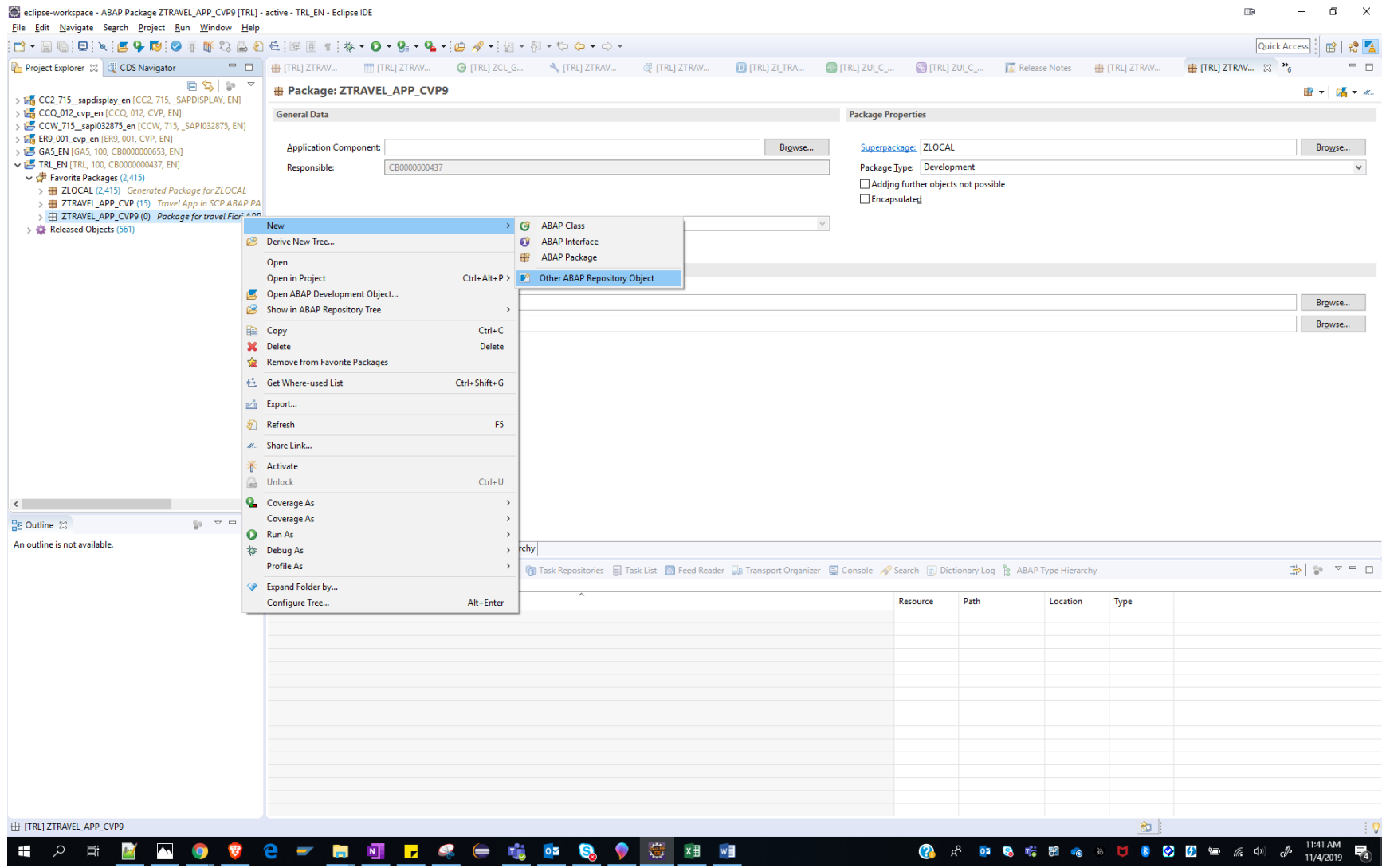
Target group

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

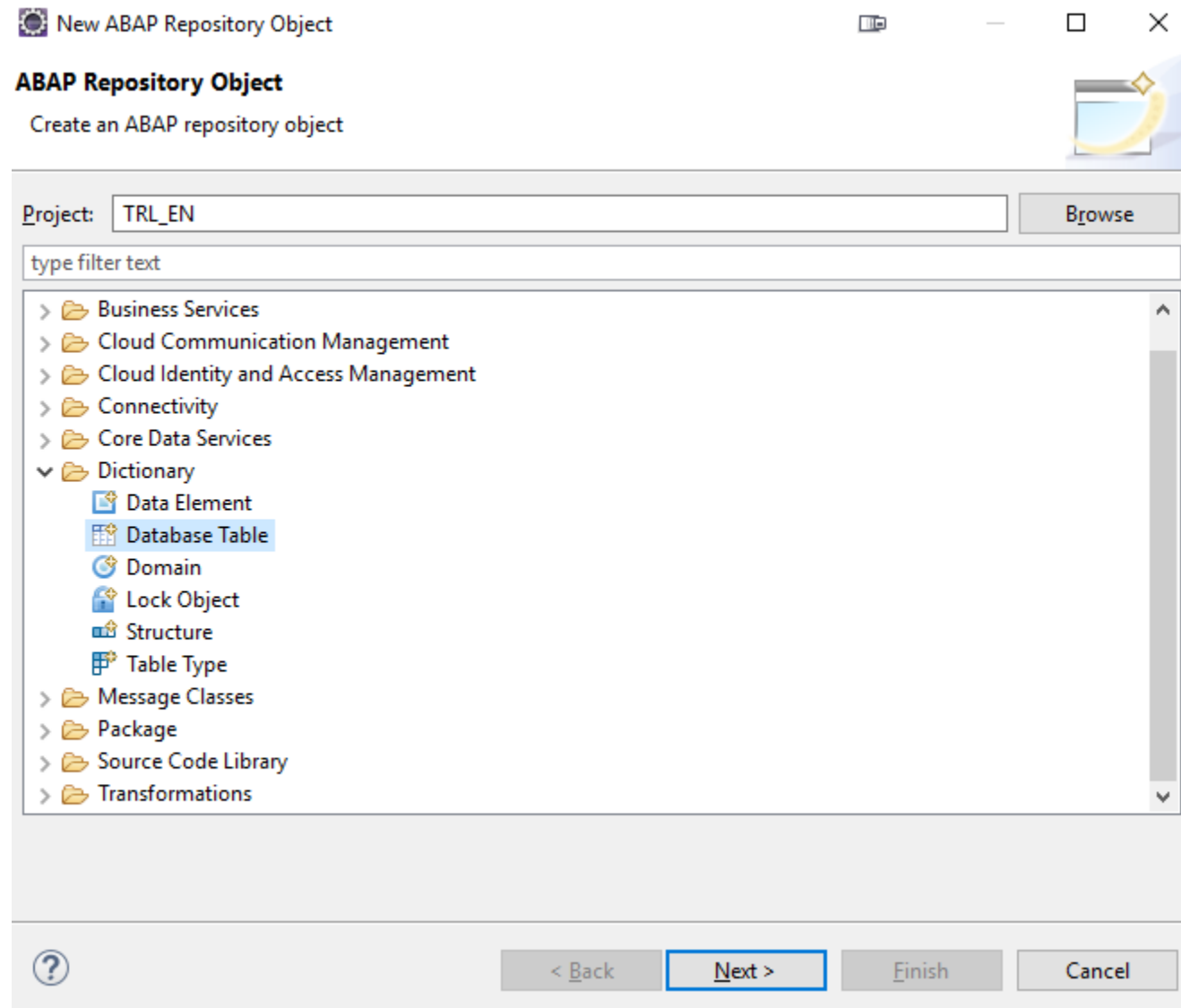
Goal

The goal of this exercise is to create an DB Table for persistence.

Select the Package ZTRAVEL_APP_XXX, right click → New → Other ABAP repository object,

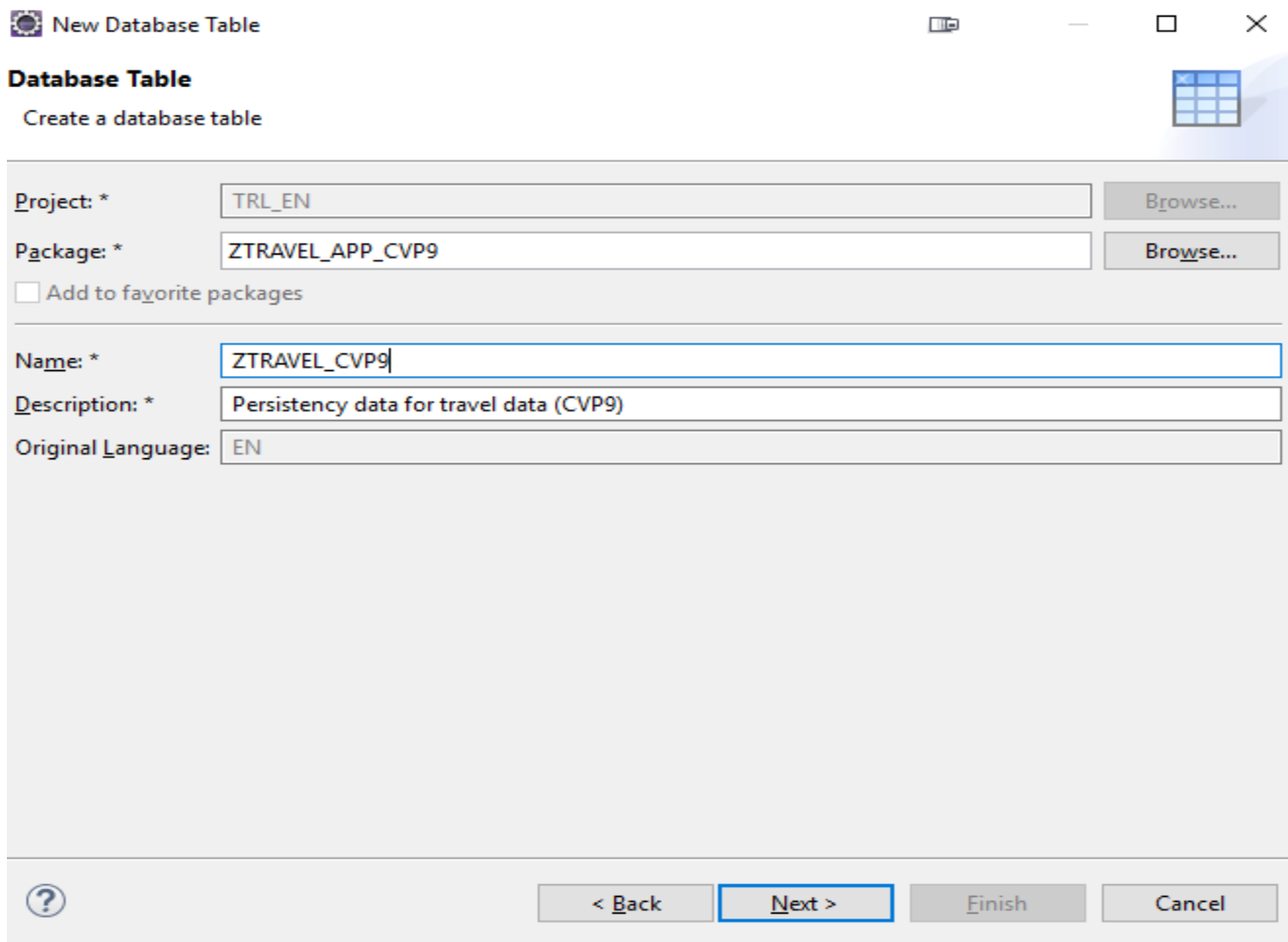


Select Dictionary → Database Table and click on Next.



Enter the name and description as

- Name: ZTRAVEL_XXX
- Description: Persistency data for travel data (XXX)



The image shows a 'New Database Table' dialog box with a title bar containing a gear icon, the text 'New Database Table', and standard window controls. The dialog has a 'Database Table' section with a 'Create a database table' subtitle and a grid icon. It contains several input fields: 'Project: *' with 'TRL_EN', 'Package: *' with 'ZTRAVEL_APP_CVP9', and an unchecked checkbox 'Add to favorite packages'. Below these are 'Name: *' with 'ZTRAVEL_CVP9', 'Description: *' with 'Persistency data for travel data (CVP9)', and 'Original Language:' with 'EN'. At the bottom are buttons for '?', '< Back', 'Next >', 'Finish', and 'Cancel'.

New Database Table

Database Table
Create a database table

Project: * TRL_EN Browse...

Package: * ZTRAVEL_APP_CVP9 Browse...

☐ Add to favorite packages

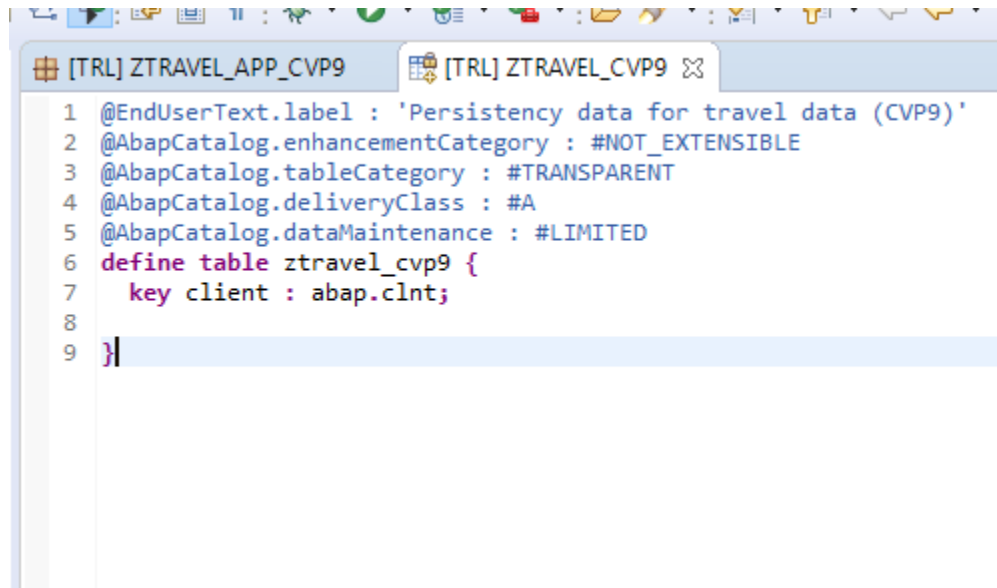
Name: * ZTRAVEL_CVP9

Description: * Persistency data for travel data (CVP9)

Original Language: EN

? < Back Next > Finish Cancel

Click on Finish.



The screenshot shows the SAP ABAP code editor with two tabs: [TRL] ZTRAVEL_APP_CVP9 and [TRL] ZTRAVEL_CVP9. The code in the active tab defines the table ZTRAVEL_CVP9 with the following attributes and structure:

```
1 @EndUserText.label : 'Persistency data for travel data (CVP9)'
2 @AbapCatalog.enhancementCategory : #NOT_EXTENSIBLE
3 @AbapCatalog.tableCategory : #TRANSPARENT
4 @AbapCatalog.deliveryClass : #A
5 @AbapCatalog.dataMaintenance : #LIMITED
6 define table ztravel_cvp9 {
7     key client : abap.clnt;
8 }
9 }
```

Replace the code generated with the following code.

```
@EndUserText.label : 'Database table for travel data XXX'

@AbapCatalog.enhancementCategory : #NOT_EXTENSIBLE

@AbapCatalog.tableCategory : #TRANSPARENT

@AbapCatalog.deliveryClass : #A

@AbapCatalog.dataMaintenance : #LIMITED

define table ztravel_xxx

{

    key client      : abap.clnt not null;

    key travel_id   : /dmo/travel_id not null;

    agency_id       : /dmo/agency_id;

    customer_id     : /dmo/customer_id;

    begin_date      : /dmo/begin_date;

    end_date        : /dmo/end_date;

    @Semantics.amount.currencyCode : 'ztravel_xxx.currency_code'

    booking_fee     : /dmo/booking_fee;
```

```
@Semantics.amount.currencyCode : 'ztravel_xxx.currency_code'

total_price    : /dmo/total_price;

currency_code  : /dmo/currency_code;

description    : /dmo/description;

overall_status : /dmo/overall_status;

created_by     : syuname;

created_at     : timestamp!;

last_changed_by : syuname;

last_changed_at : timestamp!;

}
```

Please make sure to replace XXX with the name which was chosen by you during the creation of DB table. This replacement is necessary in most of the following exercises.

Example:

```
@EndUserText.label : 'Database table for travel data CVP9'
@AbapCatalog.enhancementCategory : #NOT_EXTENSIBLE
@AbapCatalog.tableCategory : #TRANSPARENT
@AbapCatalog.deliveryClass : #A
@AbapCatalog.dataMaintenance : #LIMITED
define table ztravel_cvp9
{
  key client      : abap.clnt not null;
  key travel_id   : /dmo/travel_id not null;
  agency_id       : /dmo/agency_id;
  customer_id     : /dmo/customer_id;
  begin_date      : /dmo/begin_date;
  end_date        : /dmo/end_date;
  @Semantics.amount.currencyCode : 'ztravel_cvp9.currency_code'
  booking_fee     : /dmo/booking_fee;
  @Semantics.amount.currencyCode : 'ztravel_cvp9.currency_code'
  total_price     : /dmo/total_price;
  currency_code   : /dmo/currency_code;
  description      : /dmo/description;
  overall_status  : /dmo/overall_status;
  created_by      : syuname;
  created_at      : timestamp1;
  last_changed_by : syuname;
  last_changed_at : timestamp1;
}
```


Use Ctrl-S for Save and Ctrl-F3 for activation.

