

# Advanced CA 2E Static Impact Analysis

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## Scenario 1

You are given the tasks to change the Person file in your 2E model. Your exercise below will walk you through the analysis of this task.

## CM evolveIT Navigation Questions

**Makes sure you are in the repository EvIT.CMF\_INS\_34.**

View the Repository at the bottom or the page. If you do not see this repository press the Select Repository button and select the EvIT.CMF\_INS\_34 from the list of repositories.

## Object Browser

### Database Schema

#### *Navigation*

1. Select the Object Browser/Database Schema section.
2. Search for the Person table.
3. Click the forward green arrow to show forward detail.

Answer question 1.

#### *Questions*

1. Based on the Person Table
  - a. What is the key field for the file?
  - b. What are the attribute fields?

## Field

#### *Navigation*

1. Select the Object Browser/Field section.
2. Search for the key field Person ID.
3. Click the forward green arrow to show forward detail.
  - a. Answer question 1.

#### *Questions*

1. What are the 3 Person table logical views?

## Column

#### *Navigation*

1. Select Column.
2. Search for column Person ID by description
3. Click the forward green arrow.
  - a. Answer question 1.
4. Search for column “address effective to dte” by name.
5. Click on the forward green arrow.
6. Select direction Backward
7. Show call graph full.
  - a. Answer question 2
8. Close the Graph Viewer.

### *Questions*

1. Locate the column Person ID
  - a. What file is this a part of?
  - b. What is the column description?
  - c. What is the length of the column?
  - d. Is this a key field in the file?

## **Scenario 2**

You are tasked to find every place that the Person Address table is updated or deleted.

### *Navigation*

1. From the Object Browser select Function.
2. Search for Description that contains Person Address.
3. Select the Person address change object.
4. Click the right green arrow to display forward detail.
  - a. Answer question 1.
5. Select direction backward.
  - a. Answer question 2.
6. Show the path between the function INA5DFR and the change object.
  - a. Answer question 3.
7. Look at the code in function INA2E2R and identify where the change object is called.
  - a. Answer question 4.
8. Close the graph viewer and find the Person Address Create Object.
9. Click on the orange back arrow to display backward detail.
  - a. Answer question 5.
10. Click on the show path between button for INDEXFR.
  - a. Answer questions 6 and 7.

### *Questions*

1. What is the name of the logical file for Person Address?
2. What functions call the Person Address change object?
3. How many steps are there between WW Application and Person Address Change Object?
4. What are the input parameters for Change Person Address?
5. What functions call the Person Address create object?
6. How many steps are there between EXE Menu for Person and the Person Address create object?
7. What is the function that calls the create object?

## Scenario 3

You got a job message that there is a constant value of 1 being used. You want to find all places where a constant of 1 is used and the action diagram points so you can understand how it is being used in your application.

### *Navigation*

1. Select the Constant menu option.
2. Search for a name by Regex value 1
3. Click on the orange left arrow to show backward details on the first 1 in the list.
  - a. Answer Question 1.
4. Click on show path between for the first constant 1.
5. Click on the FNC\_CON and the show the full backward path.
6. Organize the diagram.
  - a. Answer Question 2.
7. Close the diagram.
8. Now display a full call graph going backward.
9. Next for each Function Constant of 1, step backwards 1 step at a time until you get to a function.
  - a. Answer Question 3.
10. Display the action diagram code.
  - a. Answer Question 4.

### *Questions*

1. What are the functions that use a constant of 1 based on the first constant 1 in the list?
2. What is the calculation that uses the constant of 1 in this diagram?
3. What functions use the constant of 1?
4. Identify the location in the action diagram where each function uses the constant of 1.

## Scenario 4

You need to change the parameters on function Gen Person ID. What functions do you need to regenerate when you change the function Gen Person ID?

### *Navigation*

1. Select the Functions menu option.
2. Search for Gen Person ID by description.
3. Click on the green right arrow to show forward details
  - a. Answer Question1.
4. Display a backward full call graph.
  - a. Answer Questions 2 and 3.

### *Navigation*

1. What type of function is Gen Person ID
2. What function needs to be recompiled if Gen Person ID is changed?

3. Which work with function is the starting point of the call graph to Gen Person ID?

## Scenario 5

Your supervisor wants you to provide the number of functions and entities exist in your model.

### Dashboard Section

#### *Navigation*

1. Select the Dashboard section.
2. View the Information section.

#### *Questions*

1. How many functions exist in this model?
2. How many Entities exist in this model?
3. What languages are used?

### Summary Section

#### *Navigation*

1. Select the Summary section of the Dashboard.

#### *Questions*

1. How many constants exist?
2. How many logical files exist?
3. How many green screens are there?

### End of Exercise