

Database Programming with PL/SQL

14-2: Understanding Remote Dependencies

Practice Activities

Vocabulary

Identify the vocabulary word for each definition below:

Remote Dependencies	are when the Oracle database manages dependencies in a distributed environment across a network.
Timestamp Mode	is the setting to check if a local subprogram is still valid, or must be invalidated, by checking the value in the USER_OBJECTS dictionary view.
Signature Mode	is the setting to check if a local subprogram is still valid, or must be invalidated, by checking the value of the unique number that is calculated and stored each time a procedure is recompiled.

Try It / Solve It

1. Using the following scenarios, determine the state of Procedure A.

- A. At 10 AM, Procedure A is valid and remote Procedure B is compiled. Its time stamp is 10 AM and the signatures for Procedure B match. At 10:30 AM, Procedure B is modified to change the employee_id in the procedure from NUMBER to INTEGER data type. Procedure B is recompiled successfully. Where is the time stamp stored?

En el diccionario de datos USER_OBJECTS

- B. At 11 AM, Procedure A is executed. What is the state of Procedure A when using Timestamp Mode?

Invalido, porque el tiempo no coincide.

C. At 11 AM, Procedure A is executed. What is the state of Procedure A when using Signature Mode?

Puede funcionar, porque ambos tipo de datos son de la misma familia.

D. How would you change the status of Procedure A once it is invalid?

Recompilarlo o volverlo a ejecutar.

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