How to create a concurrent program in Oracle EBS

This guide shows you how to create a concurrent program in Oracle EBS using Oracle Applications Manager. First you review an existing program (Active Users) and its executable to see how the pieces fit together. Then you define a new executable, create a concurrent program, associate the two, add a parameter, and save your work.

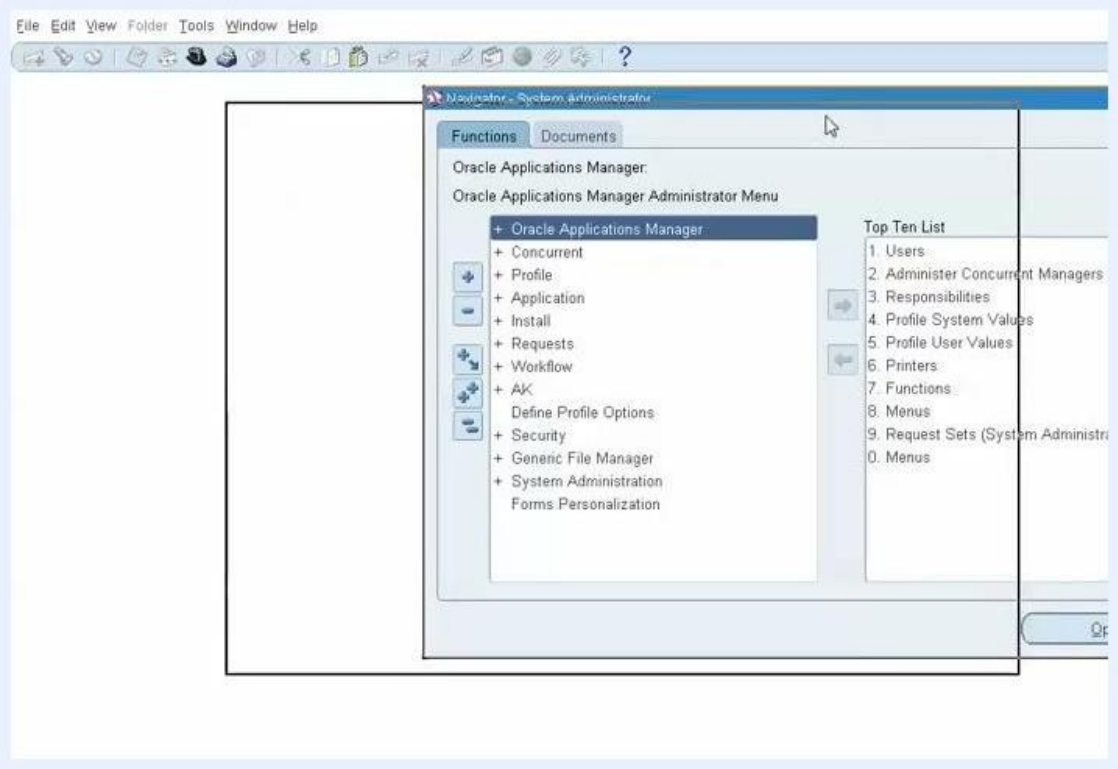
Prerequisites

- Access to Oracle Applications Manager as a System Administrator.
- An executable (or the details to define one), such as a host script, for the new program to run.

Open the concurrent program definition screen

1. Open Oracle Applications Manager

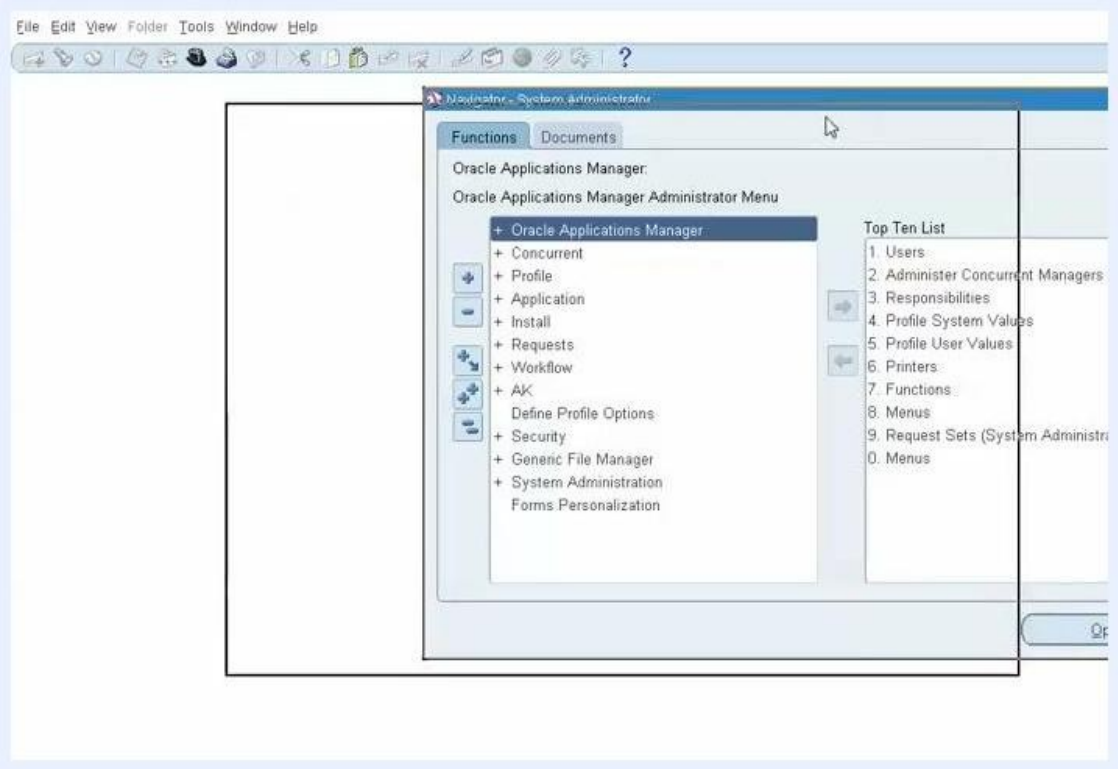
Launch Oracle Applications Manager as a System Administrator. The main menu shows options such as **Concurrent**, **Profile**, **Application**, **Install**, and **Requests**. The Top Ten List on the right gives you quick access to common functions like Users, Responsibilities, and Printers.



Oracle Applications Manager main menu with navigation options and Top Ten List

2. Go to the Concurrent section

In the left navigation pane, click the **+** next to **Oracle Applications Manager** to expand the menu. Then click **Concurrent** to see the concurrent program management options.

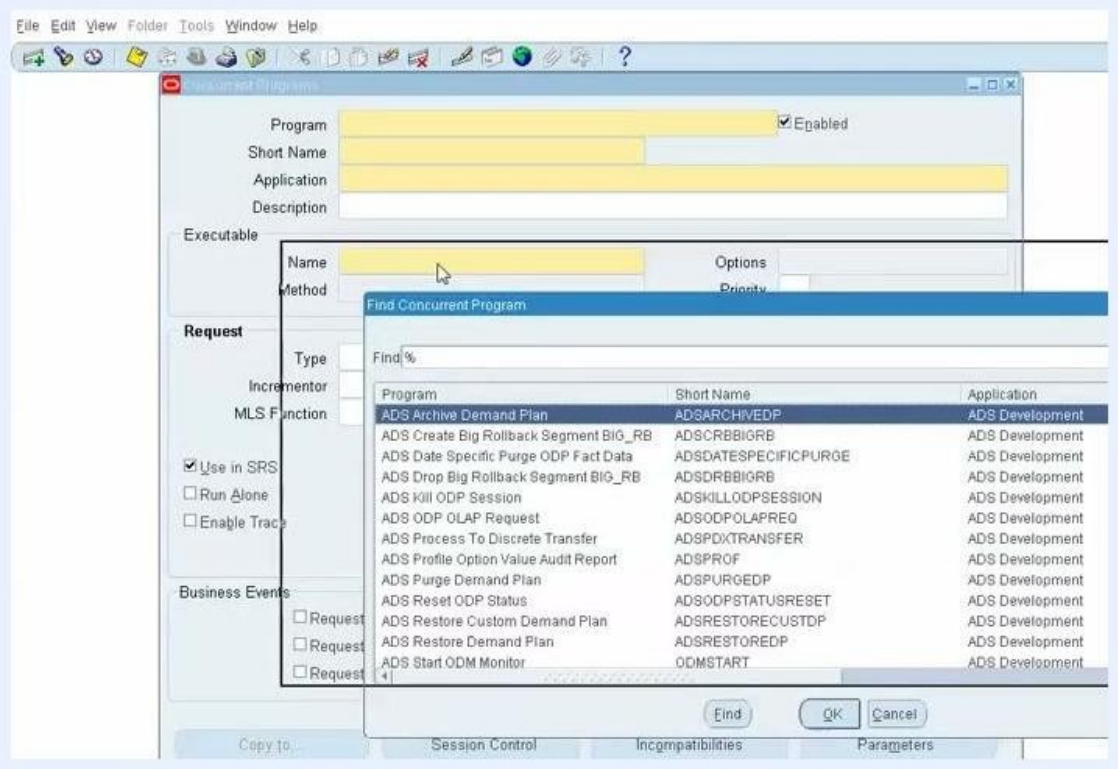


Concurrent section selected in the Oracle Applications Manager navigation pane

3. Open the Concurrent Programs form

Open the **Concurrent Programs** definition form. You use this form to define new concurrent programs or query existing ones.

The key fields are Program, Short Name, Application, Description, Executable Name, and Method. Additional sections cover Request settings, Output format, and Business Events.



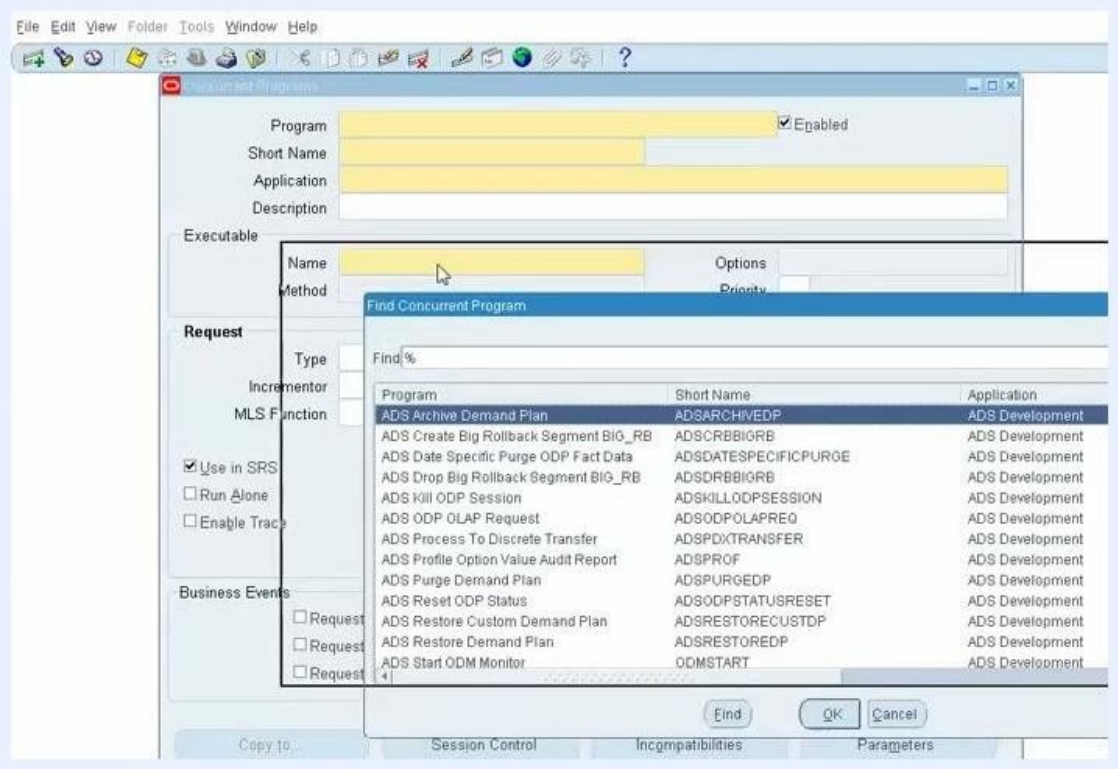
Concurrent Programs definition form with fields for program details and settings

Review an existing concurrent program

Reviewing a delivered program first shows you how a finished definition looks.

4. Enter query mode

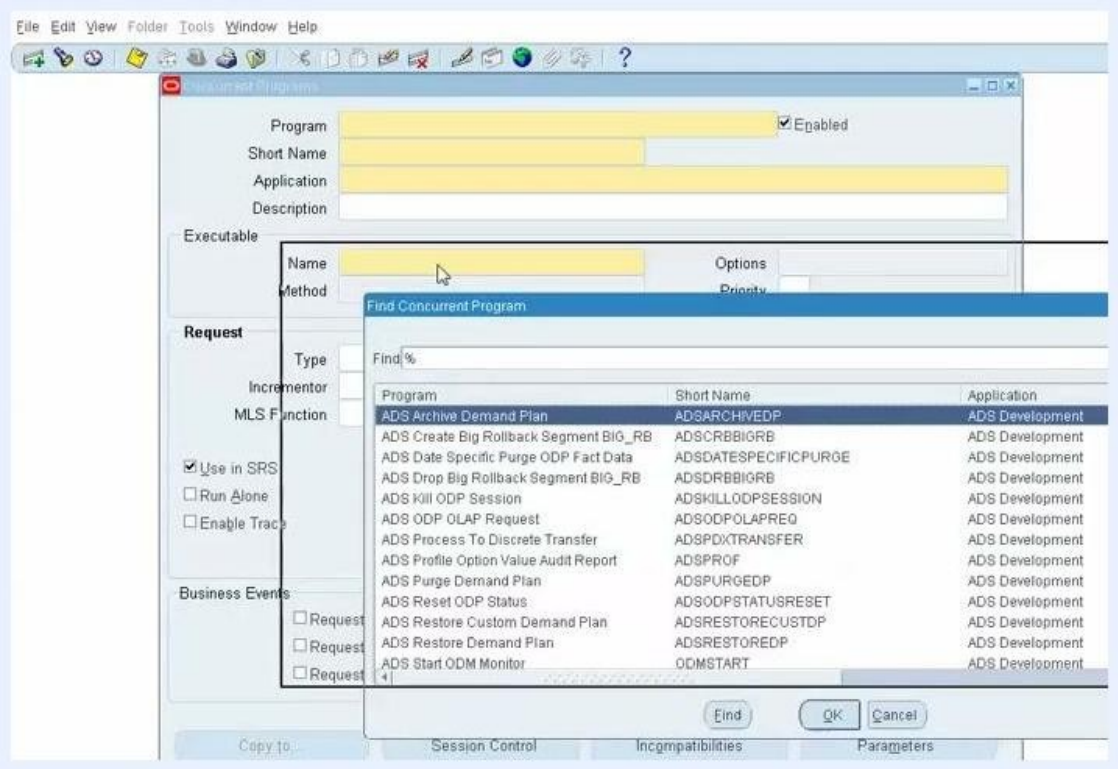
Press F11 or click the **Find** icon in the toolbar. The form enters query mode so you can specify search criteria.



Concurrent Programs form in query mode with the Find icon highlighted

5. Search for a program by name

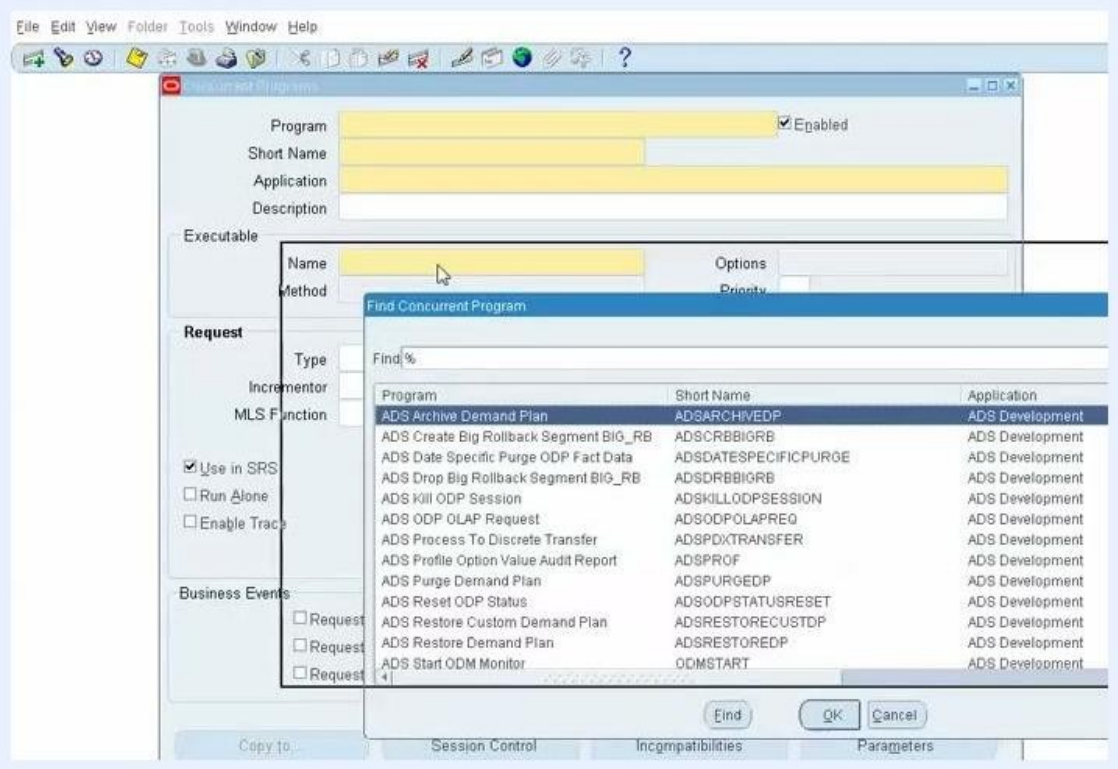
In the **Find Concurrent Program** dialog, enter a search string in the **Find %** field. For example, enter %user% to find programs related to users. Click **Find** to display the matching programs.



Find Concurrent Program dialog with the search string %user% entered

6. Select the program

Review the list of matching programs and select **Active Users**. Its Short Name is FNDSCURS and its Application is Application Object Library. Click **OK** to view its details.



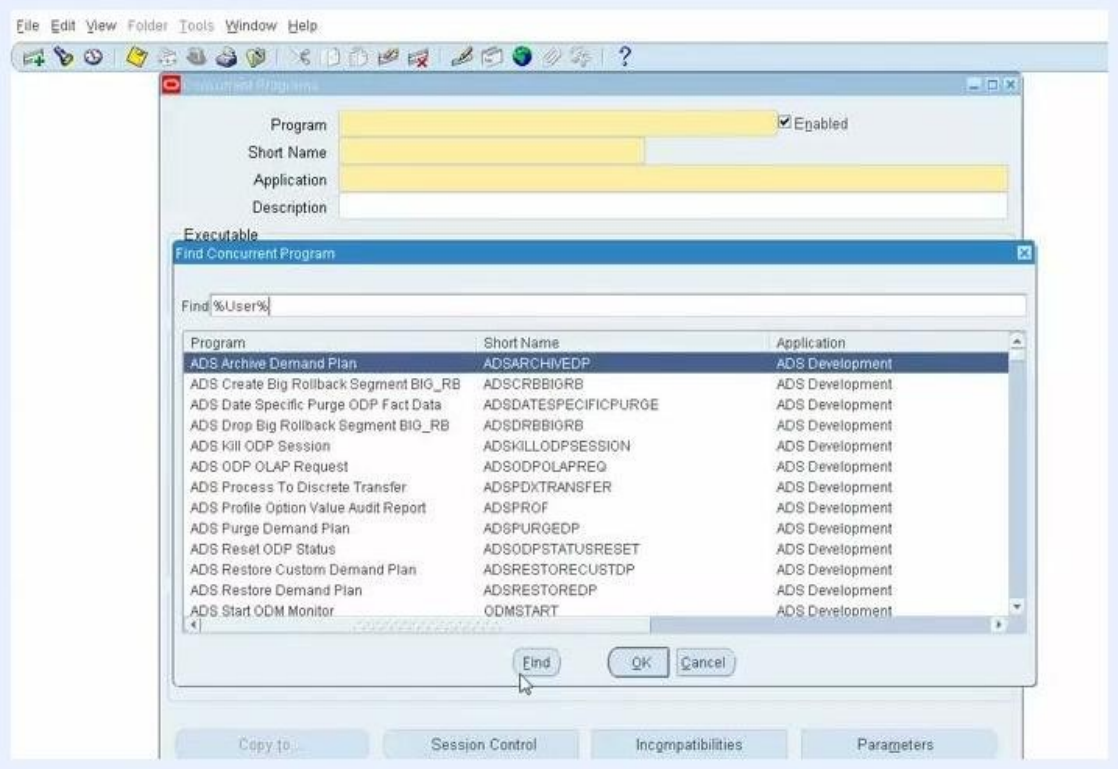
Active Users concurrent program selected in the Find Concurrent Program dialog

7. Review the program definition

The form shows the Active Users definition. Review all settings to understand how the program is configured and associated with its executable. The key values are:

- **Program:** Active Users
- **Short Name:** FNDSCURS
- **Application:** Application Object Library
- **Description:** User Responsibility Report
- **Executable Name:** FNDSCURS
- **Method:** Oracle Reports
- **Output Format:** Text, with Save (C) and Print enabled, Columns 132, Rows 45, Style Landscape

- **Request Options:** Use in SRS, Restart on System Failure, and NLS Compliant enabled



Concurrent Programs form populated with details for the Active Users program

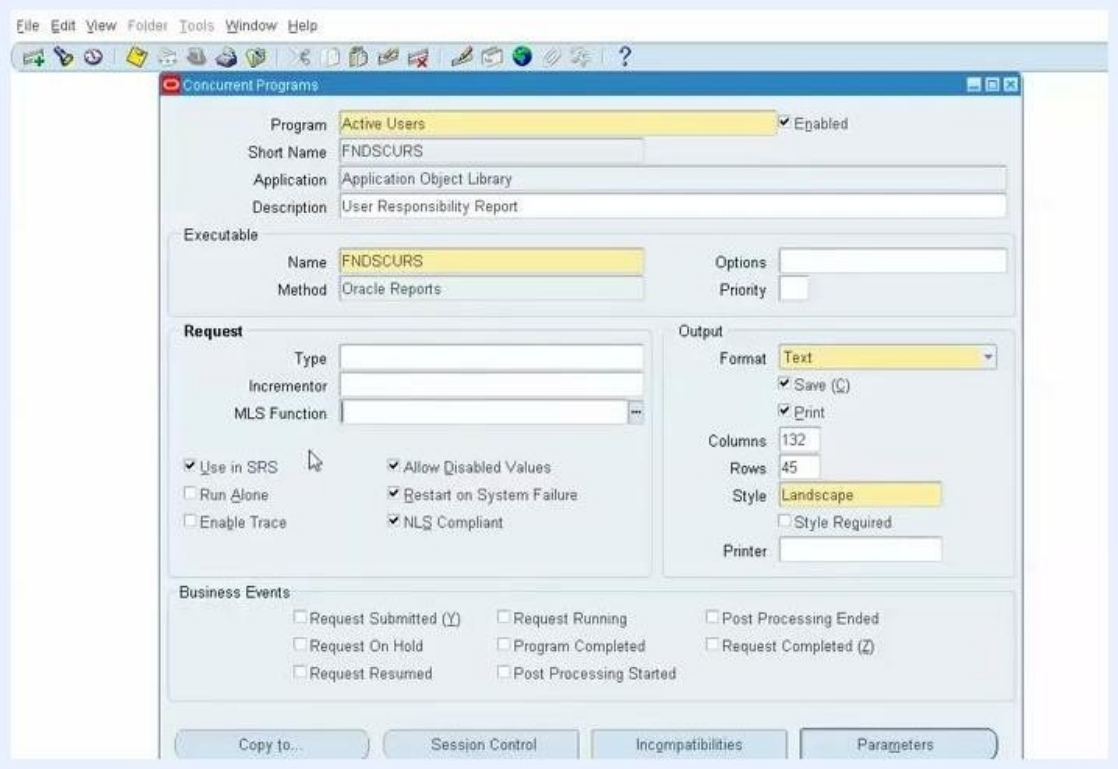
Understand the configuration options

8. Examine request types and options

Review the options in the Request section:

- **Use in SRS:** Lets you run the program from the Standard Request Submission interface.
- **Run Alone:** Ensures the program runs without other concurrent programs.
- **Enable Trace:** Enables SQL tracing for debugging.
- **Allow Disabled Values:** Permits selection of disabled values if needed.
- **Restart on System Failure:** Restarts the request if the system fails.
- **NLS Compliant:** Indicates the program supports National Language Support.

Leave **Type**, **Incrementor**, and **MLS Function** blank unless you need specific logic.



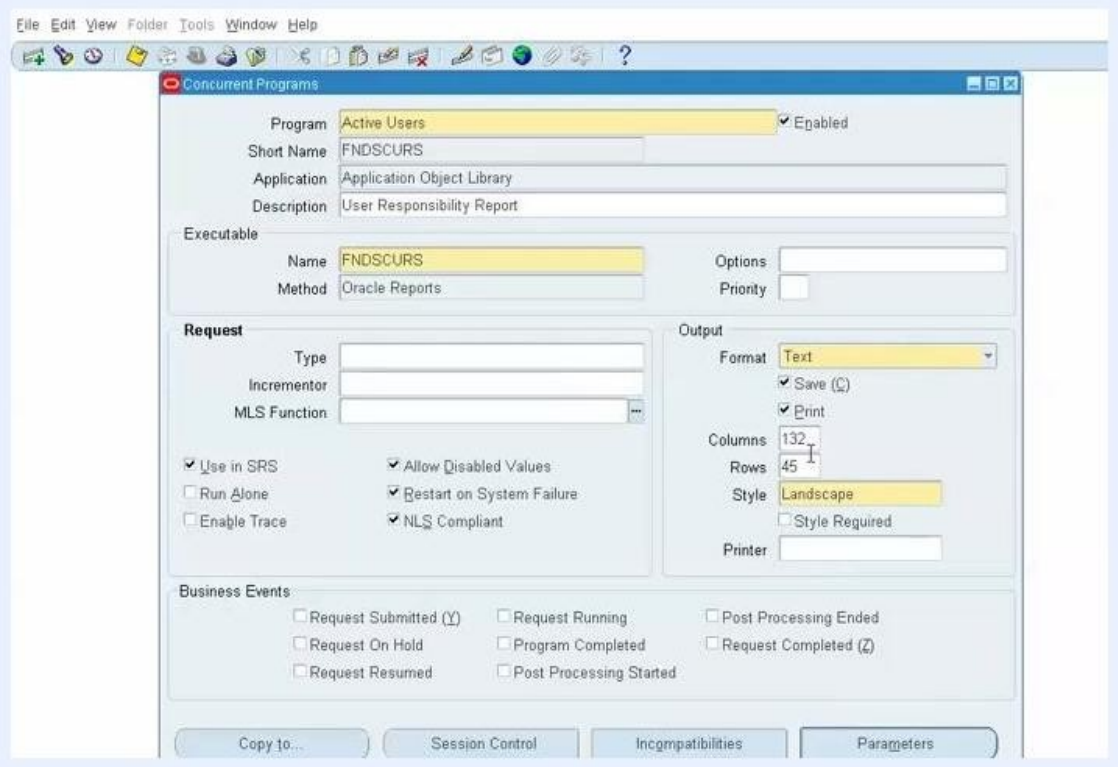
Request section of the Concurrent Programs form showing Use in SRS, Run Alone, Enable Trace, and other options

9. Define the output format and layout

In the Output section, set the following values. They determine how the Oracle Report output is generated and presented.

- **Format:** Text
- **Save (C):** Enabled, so the output is saved
- **Print:** Enabled, so the output can be printed
- **Columns:** 132
- **Rows:** 45
- **Style:** Landscape

- **Printer:** Specify one if required



Output section of the Concurrent Programs form showing Format Text, Columns 132, Rows 45, and Style Landscape

10. Associate business events (optional)

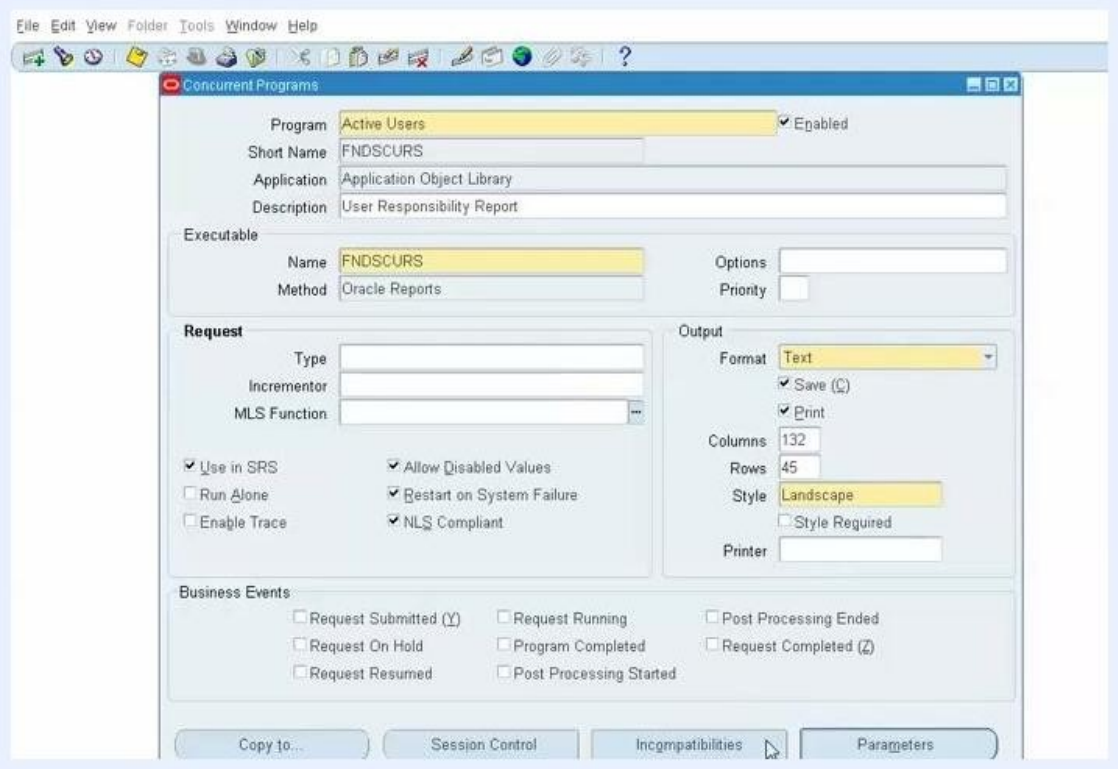
You can associate business events with the concurrent program. The available events are Request Submitted, Request Running, Post Processing Ended, Request On Hold, Program Completed, Request Completed, Request Resumed, and Post Processing Started. Select the checkboxes for the events you want to trigger.

11. Use Copy, Session Control, and Incompatibilities

The form includes three more controls:

- Click **Copy to...** to duplicate the concurrent program definition.
- Click **Session Control** to configure how the program runs in multiple sessions.

- Click **Incompatibilities** to define which programs must not run at the same time as this one. This helps keep data consistent and avoids conflicts.



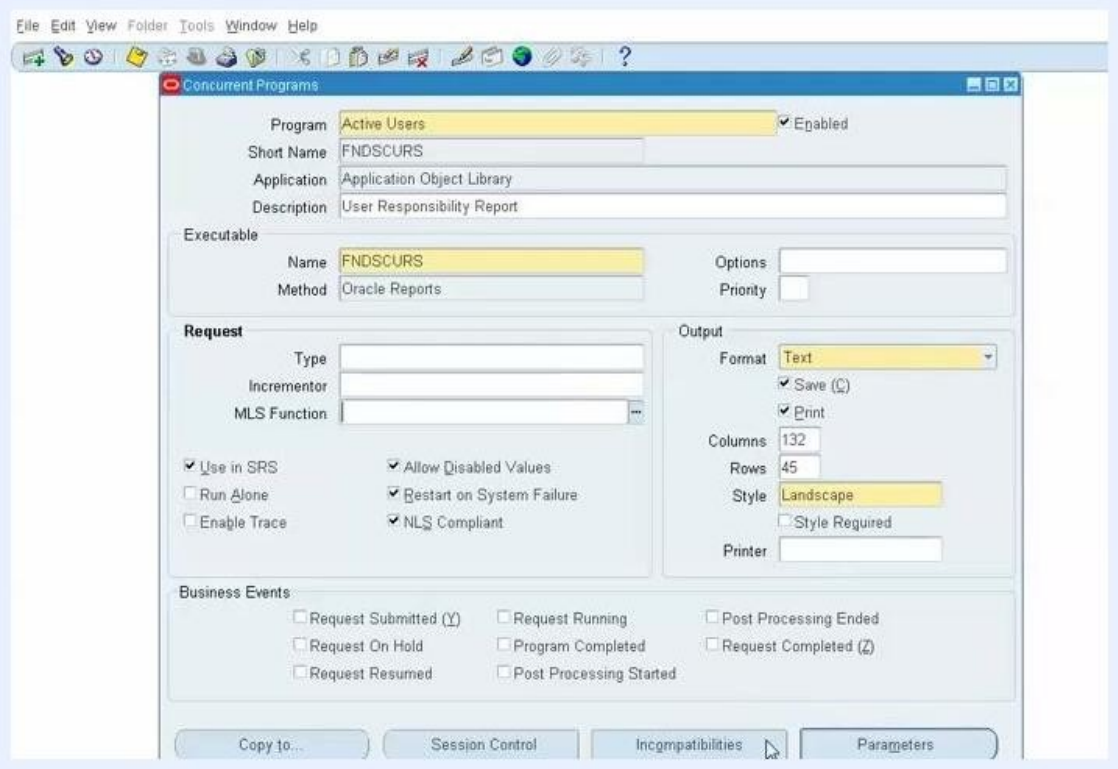
Concurrent Programs form with the Incompatibilities and Parameters buttons highlighted

12. Review the parameter definition window

Click **Parameters** to open the parameters definition window. For each parameter, specify:

- **Seq:** The sequence number, for example 10.
- **Parameter:** The name, for example Param1.
- **Value Set:** The value set, if required. Use the lookup to select it.
- **Display:** Enable to show the parameter in the submission form.
- **Display Size:** For example, 25.
- **Description Size:** For example, 50.
- **Prompt:** The prompt text, for example Param1.

The Active Users program currently runs without parameters, but you can define them as needed.



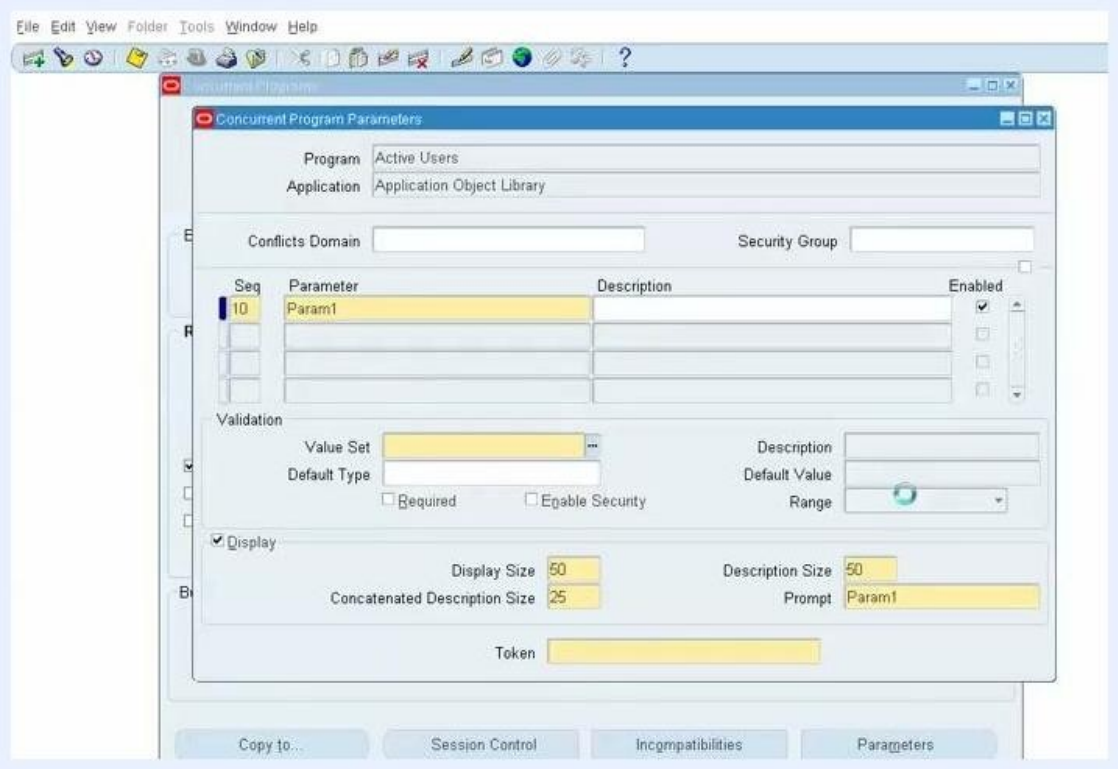
Parameters definition window showing Param1 and the value set lookup

13. Cancel parameter changes if you don't need them

If you don't want to add or modify parameters, click **Cancel** in the Value Sets window to exit without saving changes.

14. Close the parameters form

Press F4 to close the **Concurrent Program Parameters** form. You return to the main navigation window.



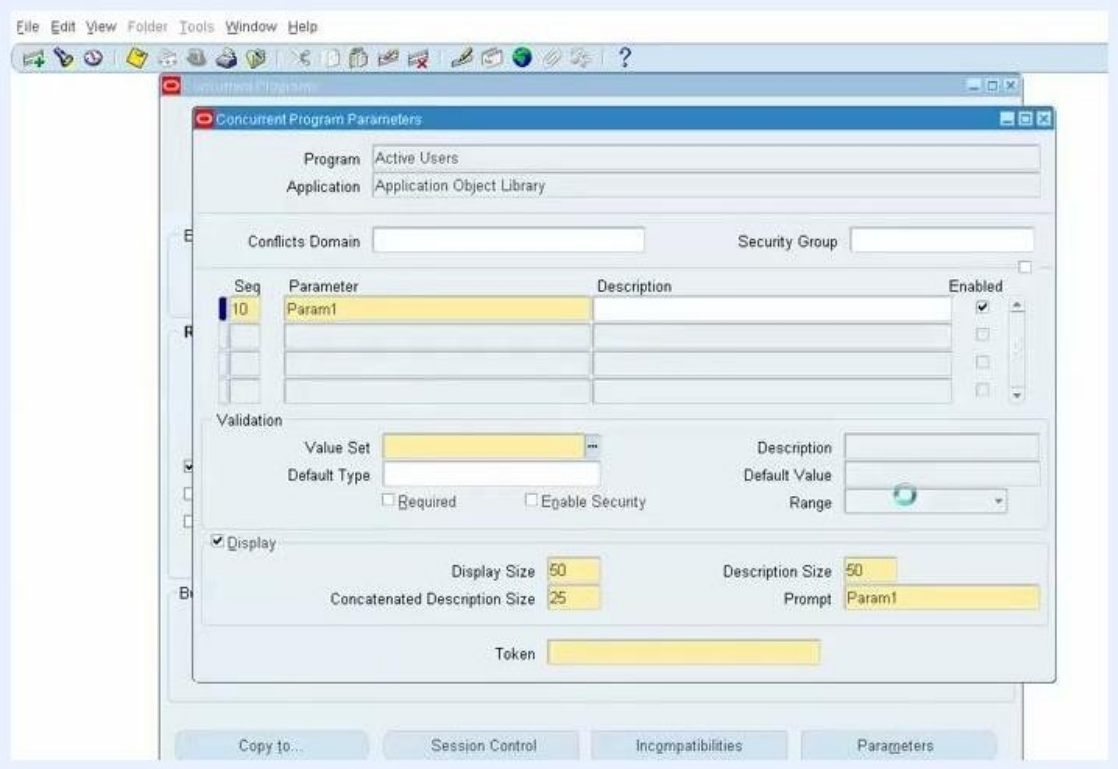
Concurrent Program Parameters window for Active Users showing Value Set, Display Size, Description Size, and Prompt fields

Review concurrent program executables

Every concurrent program needs an executable. Before you create one, look at how existing executables are defined.

15. Open the Executable form

In the Navigator under **Oracle Applications Manager**, expand **Concurrent → Program → Define → Executable**. Select **Executable** to open the concurrent program executable definition form.



Navigator window with Executable selected under Define in the Concurrent Program menu

16. View the list of existing executables

The **Concurrent Program Executable** window lists existing executables. Use search or scrolling to find the one you want. Each entry shows the Executable Name, Short Name, Application, Description, Execution Method, and Execution File Name.

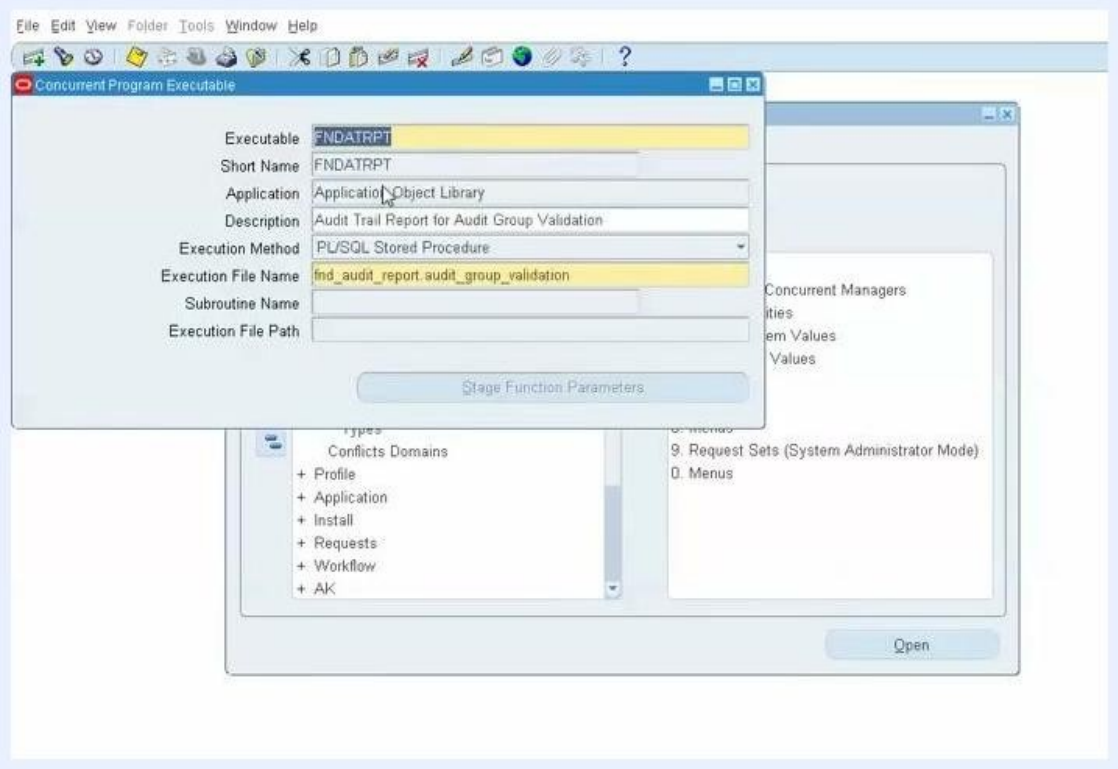
17. Compare example executables

Use the name or description fields to search for a specific executable. These examples all use the PL/SQL Stored Procedure execution method.

The first example is an audit trail report:

- **Executable:** FNDAUDTRPT
- **Short Name:** FNDAUDTRPT

- **Application:** Application Object Library
- **Description:** Audit Trail Report for Audit Group Validation
- **Execution File Name:** fnd_audit_report_audit_group_validation

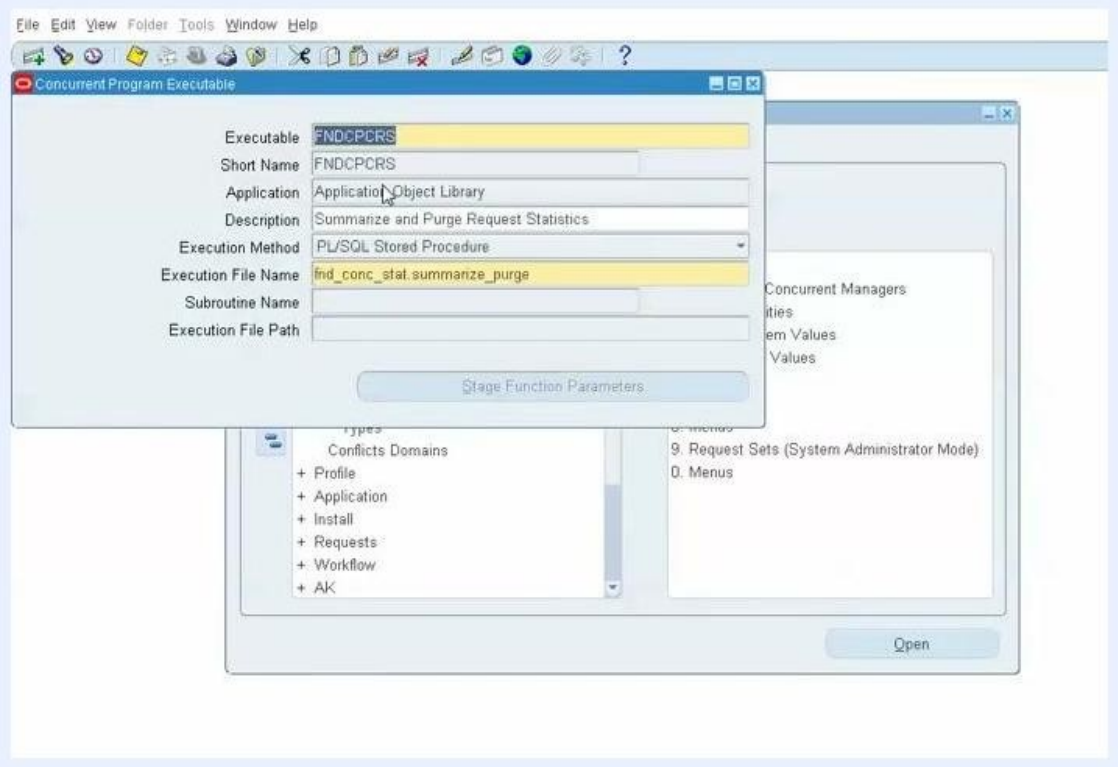


Concurrent Program Executable window showing FNDAUDTRPT with the PL/SQL Stored Procedure execution method

The second example summarizes and purges request statistics:

- **Executable:** FNDCPCPRS
- **Short Name:** FNDCPCPRS
- **Application:** Application Object Library
- **Description:** Summarize and Purge Request Statistics

- **Execution File Name:** fnd_conc_stat_summarize_purge

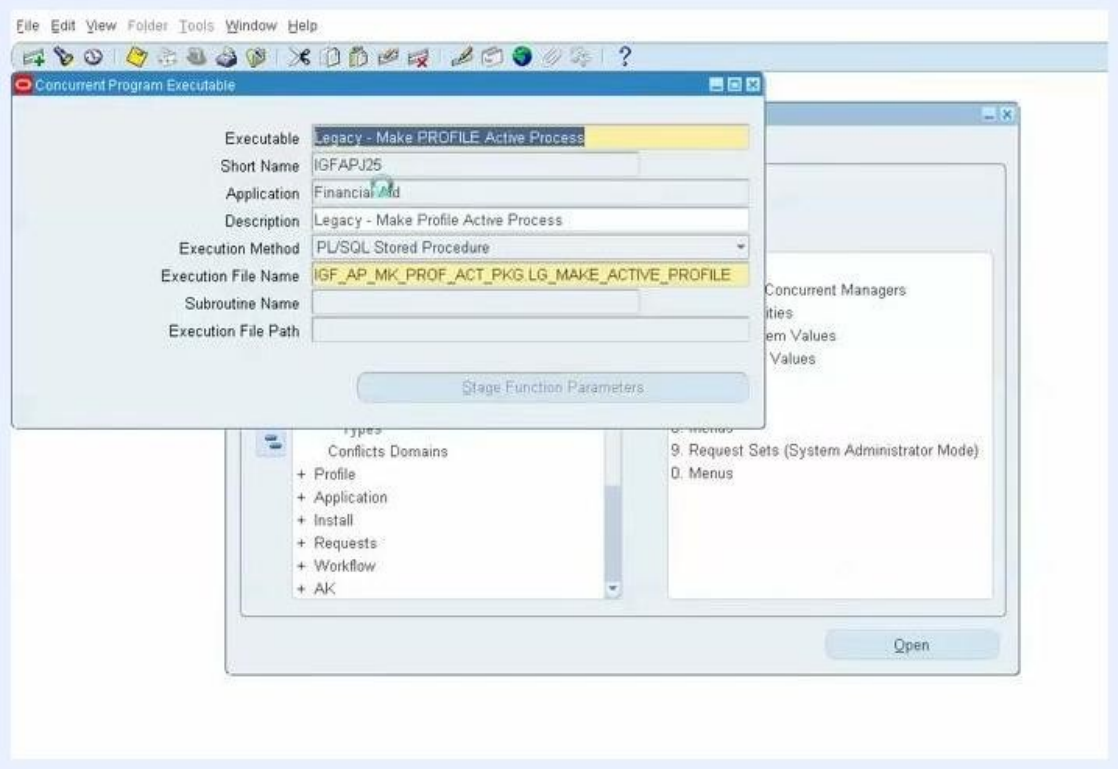


Concurrent Program Executable window showing FNDCPCPRS with the PL/SQL Stored Procedure execution method

The third example is a legacy process:

- **Executable:** Legacy - Make PROFILE Active Process
- **Short Name:** IGFAPJ25
- **Application:** Financials
- **Description:** Legacy - Make Profile Active Process

- **Execution File Name:** IGF_AP_MK_PROF_ACT_PKG.LG_MAKE_ACTIVE_PROFILE



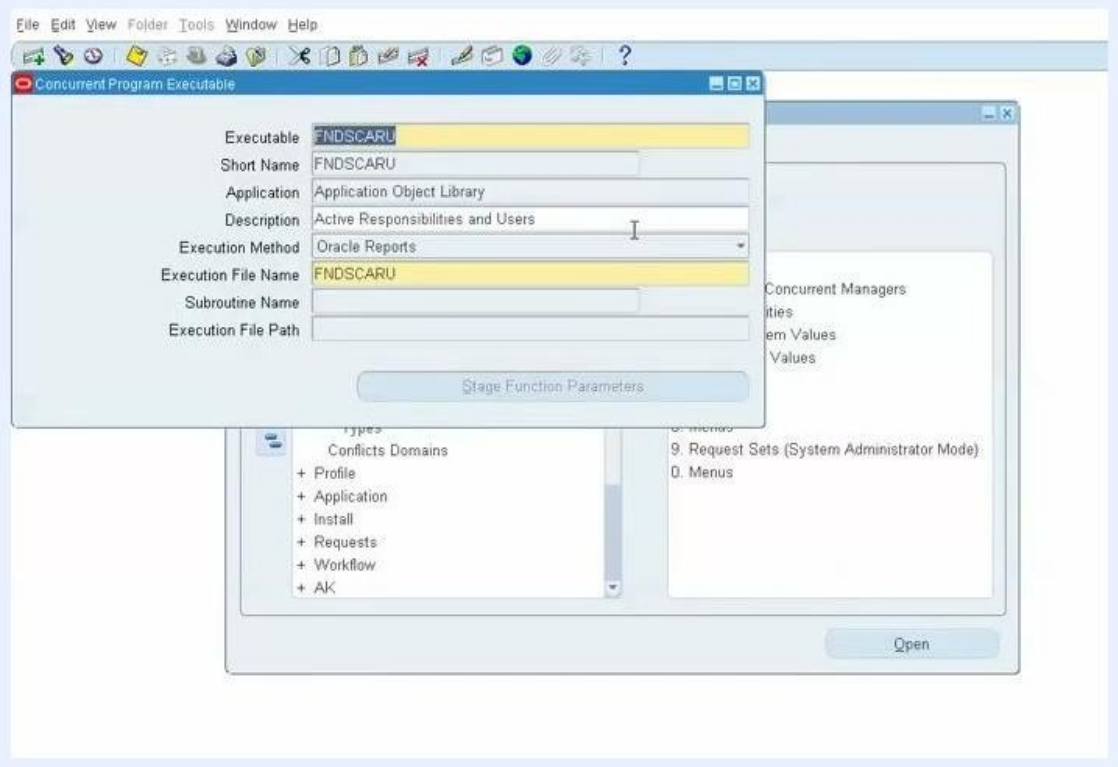
Concurrent Program Executable window showing IGFAPJ25 with the PL/SQL Stored Procedure execution method

18. Identify the executable behind Active Users

Locate the executable for the Active Users program. It matches the Executable Name you saw in the program definition:

- **Executable:** FNDSCARU
- **Short Name:** FNDSCARU
- **Application:** Application Object Library
- **Description:** Active Responsibilities and Users
- **Execution Method:** Oracle Reports

- **Execution File Name:** FNDSCARU



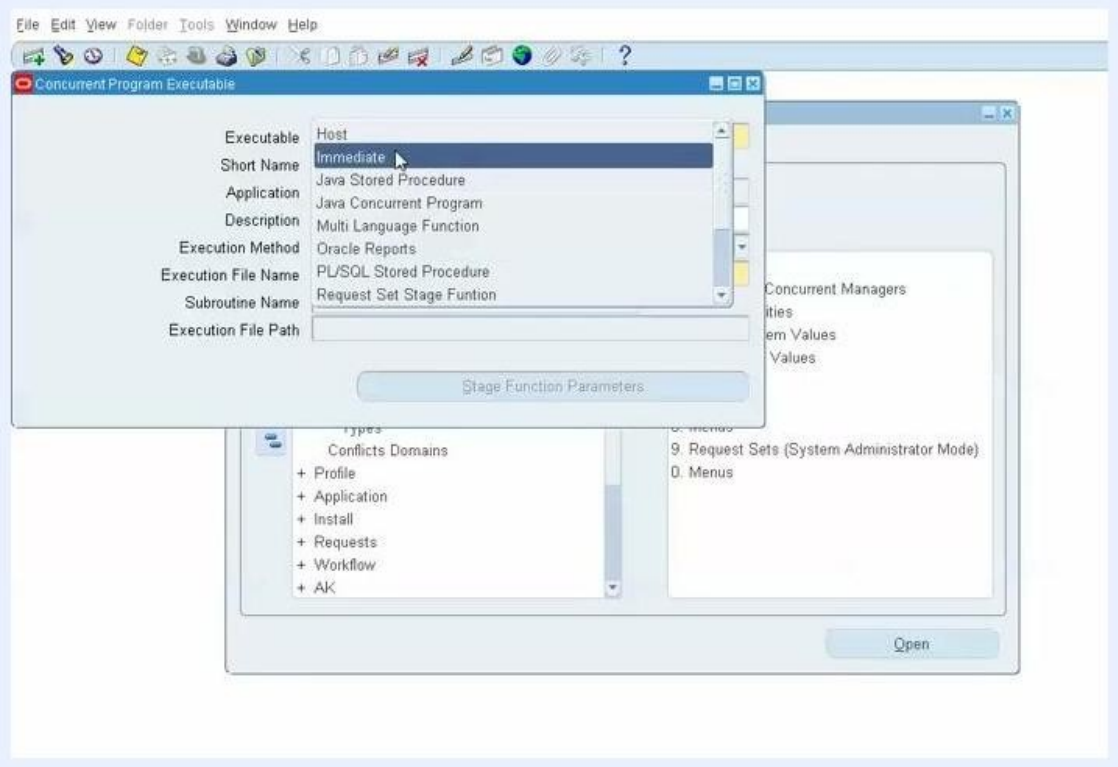
Concurrent Program Executable window showing FNDSCARU with the Oracle Reports execution method

19. Choose the right execution method

Select the **Execution Method** that matches how your executable is implemented:

- **Host:** Shell scripts or OS-level scripts that Oracle can invoke.
- **Immediate:** Direct SQL or Pro*C code execution.
- **Java Stored Procedure:** Java code stored in the Oracle database.
- **Java Concurrent Program:** Standalone Java programs.
- **Multi Language Function:** Programs supporting multiple languages.
- **Oracle Reports:** Oracle Reports 6i.
- **PL/SQL Stored Procedure:** PL/SQL packages and procedures.

- **Request Set Stage Function:** Request set stage-specific logic.



Execution Method dropdown in the Concurrent Program Executable window, highlighting the Immediate and Multi Language Function options

Create a new concurrent program

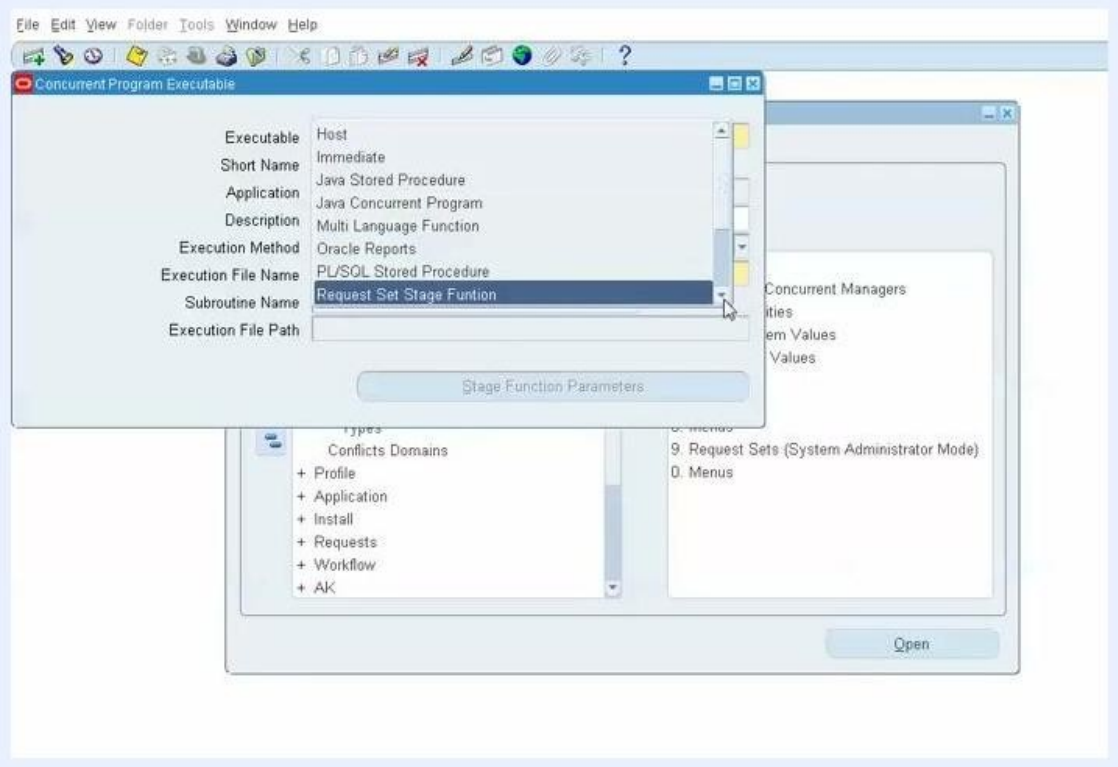
Now you put the pieces together. First you define an executable, then the concurrent program that uses it.

20. Enter details for a new executable

In the **Concurrent Program Executable** window, enter the following values:

- **Executable:** TEST Exec
- **Short Name:** TESTEXEC
- **Application:** Application Object Library
- **Description:** TEST EXECUTABLE

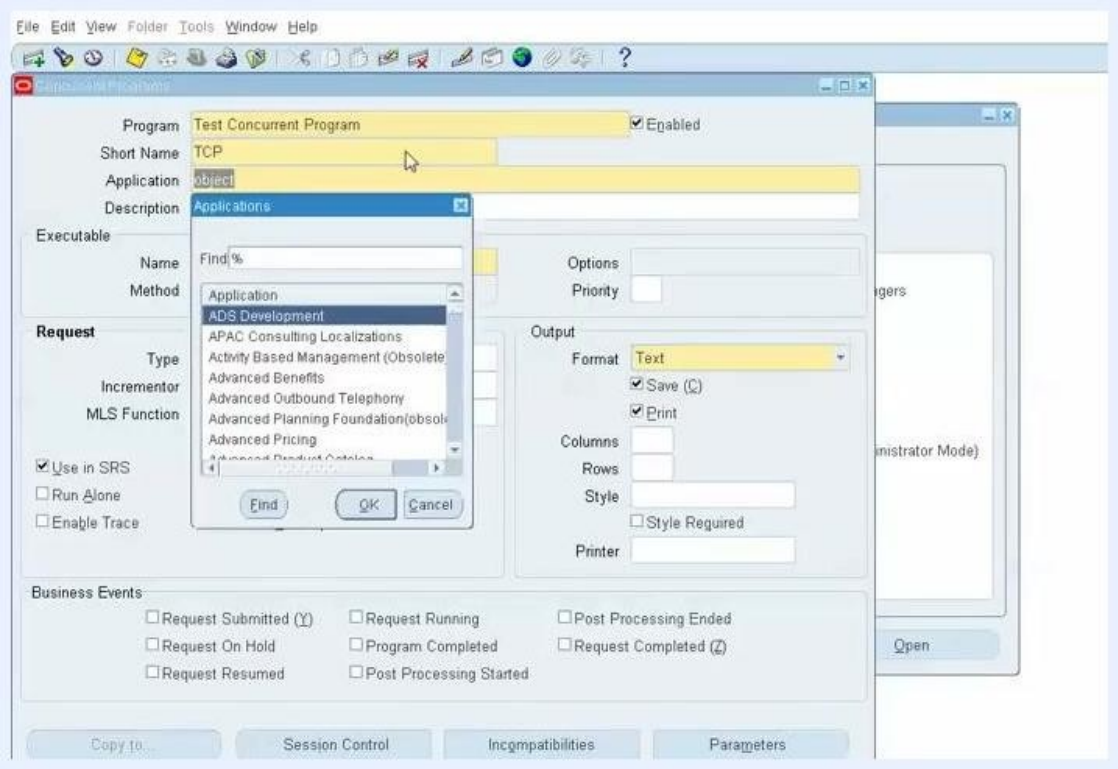
- **Execution Method:** Oracle Reports



Executable form being filled in with the executable name and the Oracle Reports execution method selected

21. Specify the host file for the executable

Change **Execution Method** to Host. In the **Execution File Name** field, enter test.sh. Leave the other fields as you entered them.



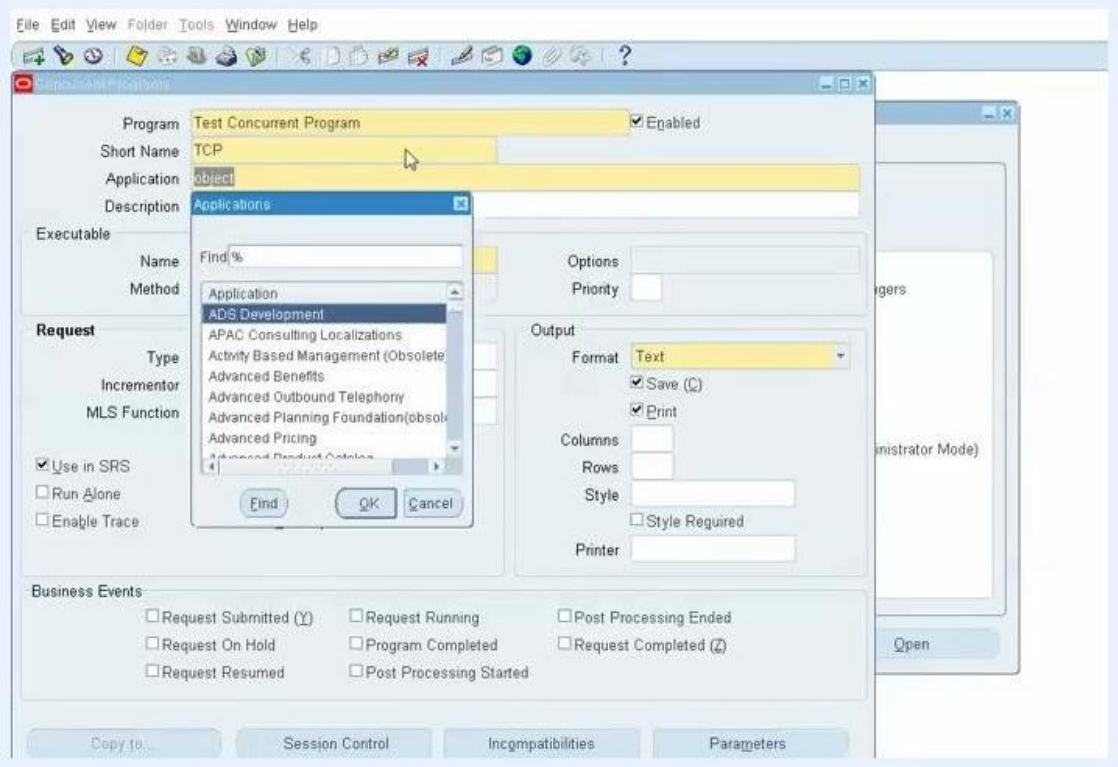
Completed executable form with Execution Method Host and Execution File Name test.sh

22. Start the new concurrent program definition

Open the **Concurrent Programs** form and enter the following values:

- **Program:** Test Concurrent Program
- **Short Name:** TCP
- **Application:** Begin typing object
- **Description:** Test Conc Prog

Make sure the **Enabled** checkbox is selected.



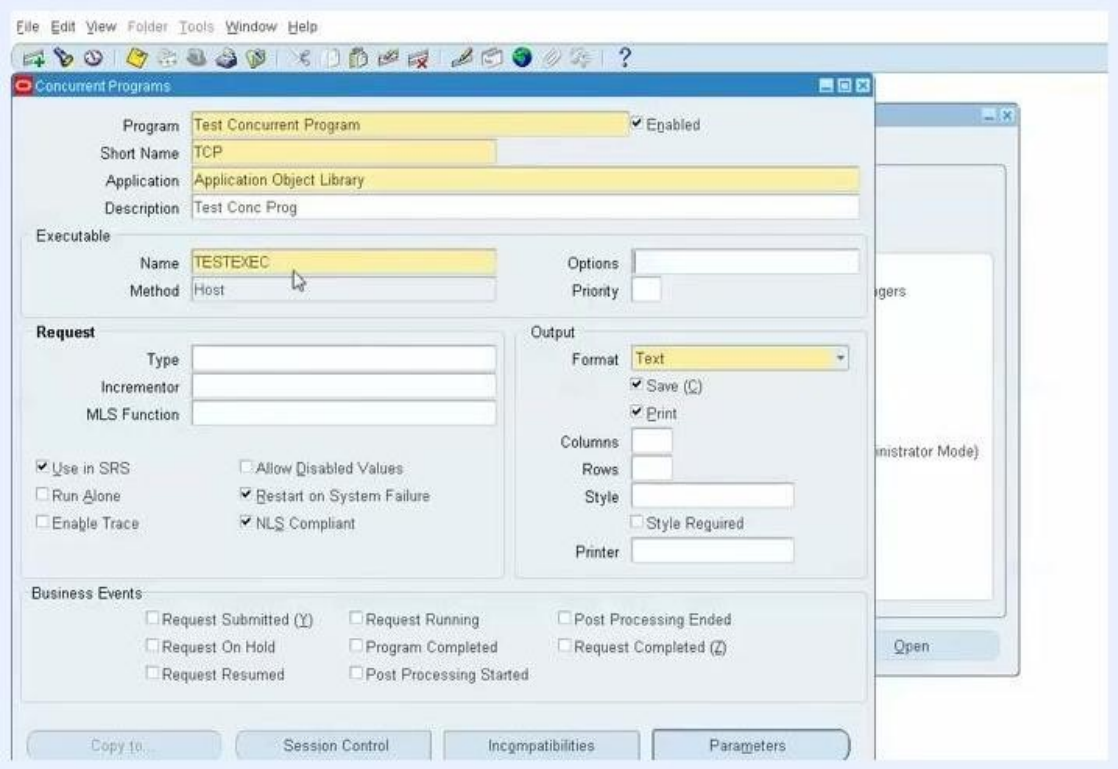
Concurrent Programs form with the program name entered, Enabled checked, and the other fields still blank

23. Select the application

In the **Application** field, search for and select Application Object Library. Confirm the selection in the application search dialog.

24. Associate the executable with the concurrent program

In the **Executable Name** field, enter TESTEXEC. In the **Method** field, make sure Host is selected. Confirm that the **Application** and **Description** fields are populated correctly.



Concurrent Programs form with Executable Name TESTEXEC and Method Host for the Test Concurrent Program

25. Define the parameter and its prompt

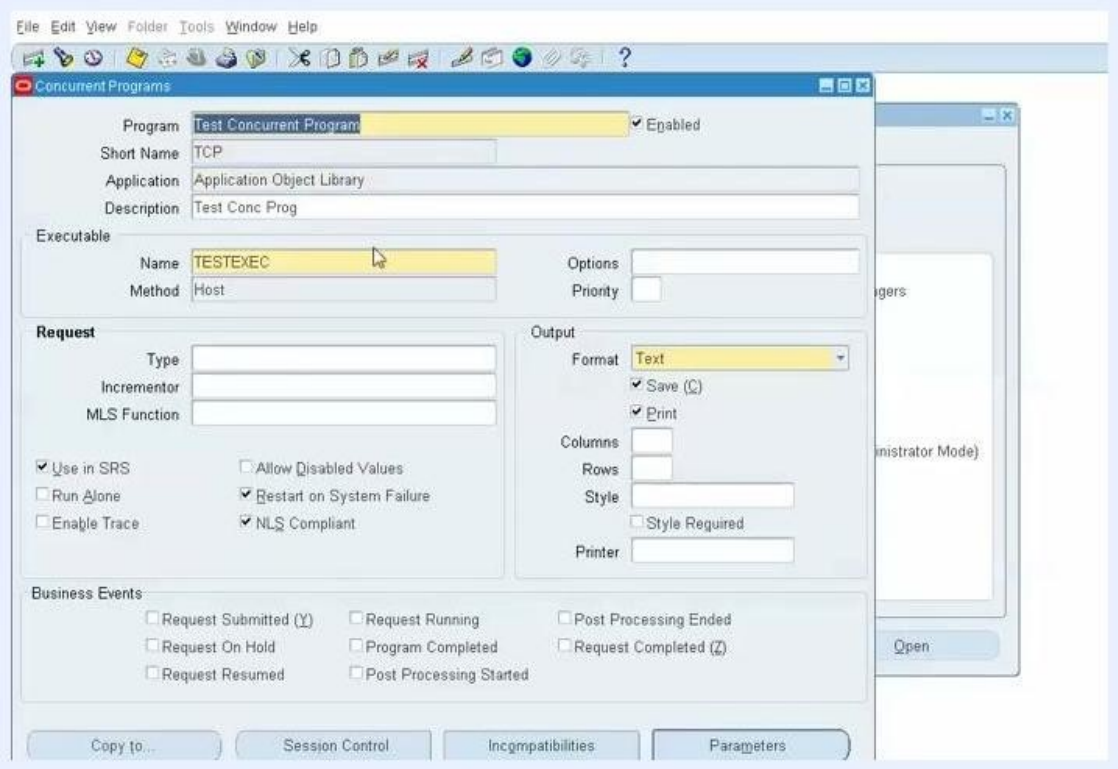
Click **Parameters** to open the **Concurrent Program Parameters** window. Make sure these values are entered:

- **Program:** Test Concurrent Program
- **Application:** Application Object Library
- **Seq:** 10
- **Parameter:** Date
- **Description:** Enter Date
- **Enabled:** Checked
- **Value Set:** Standard Date
- **Description (Validation):** Date
- **Display:** Checked
- **Display Size:** 11

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- **Description Size:** 50
- **Concatenated Description Size:** 25
- **Prompt:** Date

The **Prompt** value is the label users see when they enter this parameter.



Concurrent Program Parameters window with Seq 10, Parameter Date, Value Set Standard Date, and Prompt Date

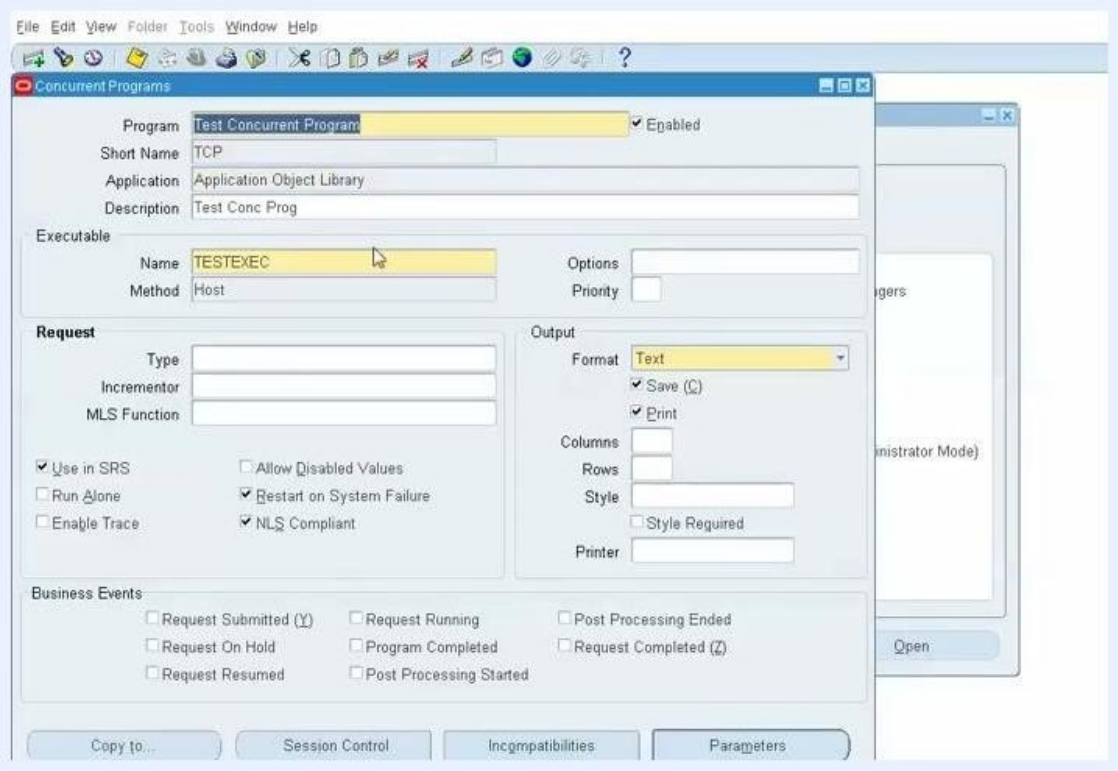
26. Review the completed definition

Switch back to the **Concurrent Programs** window and verify that all fields are populated correctly:

- **Program:** Test Concurrent Program
- **Short Name:** TCP
- **Application:** Application Object Library
- **Description:** Test Conc Prog
- **Enabled:** Checked
- **Executable Name:** TESTEXEC
- **Method:** Host
- **Output Format:** Text
- **Save:** Checked

- **Print:** Unchecked, unless required
- **NLS Compliant:** Checked

Confirm that the required options and business events are set for your use case.



Fully populated Concurrent Programs form for Test Concurrent Program with Executable Name TESTEXEC and Method Host

27. Save your changes

Click the save icon or select **File > Save** to store all configurations.

Summary

You now know how to create a concurrent program in Oracle EBS. You reviewed an existing program and its executable, learned the request, output, business event, incompatibility, and parameter options, and compared execution methods. Then you defined a new executable, created the concurrent program, associated the two, added a parameter, and saved the definition.