

Creating A System Identifier For Oracle Applications Systems

Author: Andy Rivenes

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1. Overview

This document will describe how to create a "system identifier" for an Oracle Applications system. When a site runs multiple Oracle Applications systems (e.g. production, development, test) it can be difficult for users to remember to which system(s) they are connected. The methods described in this document are categorized by the type of user interface. There are currently three for the various releases of Oracle Applications. The character mode interface is used up to Release 10.7. The SmartClient interface was used in Releases 10.6 and 10.7, and the NCA interface is used in Release 10.7 NCA and Release 11.

The central idea behind creating a system identifier is the ability to display it on the Oracle Applications user interface so that when a user switches to that "screen" they will know which system they are connected to. This is achieved, in various degrees of success, for each of the three interfaces. For the character mode interface there were three methods of accomplishing this. The system identifier could be placed on the "Responsibilities" pop-up window, as part of the application name, which is displayed in the upper left hand corner of each screen, and in the "Site Name" profile option, which is always available through the "Help Version" command.

For the SmartClient interface there were two methods. In the SmartClient environment the most popular solution was to modify the signon form and CUSTOM.pll library to always display the system identifier in the title of the SmartClient window. By default the title "Oracle Applications" is displayed. Code is added to place the connect string value (e.g. the SQL*Net alias) on the window title using a FORMS_MDI_WINDOW call. The second method was to use the "Site Name" as described for the character mode interface.

Unfortunately the NCA interface doesn't use the MDI_WINDOW architecture so the SmartClient method of making a FORMS_MDI_WINDOW call no longer works. The "Site Name" option is still available and a menu function can be used to hold the name of the system (this method is not detailed). A new method available however is to place the system identifier in the Navigator menu title using a simple message modification. This method will be detailed in the NCA mode section.

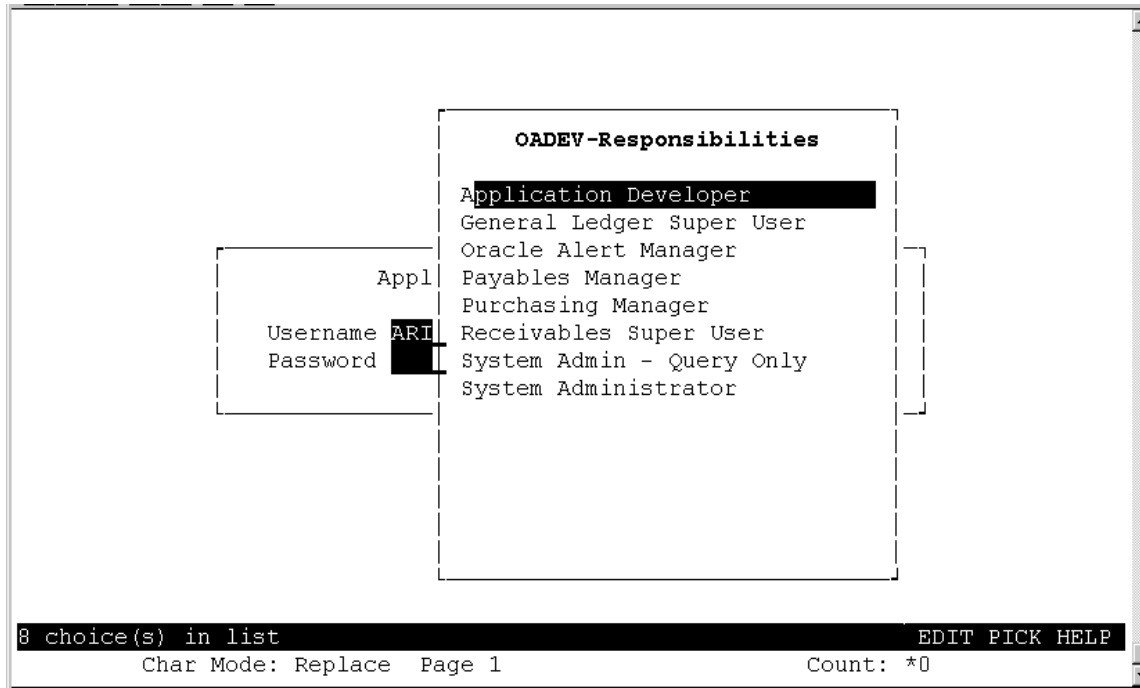
2. Character Mode

2.1 Overview

In a character mode environment the system identifier can be set in three ways. It can be set in the "Responsibilities Window", it can be set in the application name which is displayed in the top upper left corner on all screens, or it can be set in the "Site Name" profile option which is always accessible by performing a \Help\Version. Each of these three methods will be discussed in this section.

2.2 Responsibilities Window

2.2.1 View



2.2.2 Instructions

The following instructions consist of two steps. First the appropriate message is changed in Oracle Applications and then a new message file is generated for use by the Forms 2.3/2.4 forms.

2.2.2.1 Message Change

The message is changed by using the "Define Messages" screen under the "Application Developer" responsibility. The message is owned by "Application Object Library" and is called "RESP-Window title". The "Short Message" should be changed from "Responsibilities" to something like "OADEV-Responsibilities".

2.2.3 Message File Generation

In order for the new message to be displayed a new message file will have to be generated. This is accomplished by generating new `usaeng.msb/msg` files in the `$FND_TOP/mesg` directory. If a site is using multiple nodes then this must be performed for each `$FND_TOP` directory. The message files can be generated using `adadmin`, this will generate all message files, or the file can be generated individually by changing to the `$FND_TOP/mesg` directory and then issuing the command:

```
$FND_TOP/bin/FNDMDCMF APPS/<apps password> 0 Y "FND" "usaeng"
```

Once this step is completed new user logins will see the new message in the Responsibilities window.

2.3 Application Name

2.3.1 View

QADEV-System Administration View Concurrent Requests 13-JAN-00

View ID	Phase	Status	Priority	Program	Requestor	Parent ID

----- Current Request Parameters -----

Concurrent Managers

Concurrent Manager Queue

EDIT PICK HELP

Char Mode: Replace Page 1 Count: *0

2.3.2 Instructions

This is accomplished by setting the application name to the standard name prefaced with the system identifier. This has no ill affects on the applications and makes it very convenient to identify the system being used. The actual change can be made in the "Register Applications" screen.

```

OADEV-System Administration Register Applications 14-JAN-00

Applications
-----
Long Name          Short      Message
Name              Abbr.    Prefix Basepath Description
OADEV-AOL Ext     AOLEX    afe    AOLEX    AOLEX_TO AOL Ext
OADEV-System Administrati SYSAD    sys    APP      FND_TOP  System Administration

Char Mode: Replace Page 1 Count: *2
EDIT HELP

```

2.4 Site Name

2.4.1 View

By issuing a \Help\Version the following screen will appear and display the "Site Name" setting.

```

OADEV-System Administration 14-JAN-00

          Version Information
-----
Site Name           : OADEV
Release             : 10.7.0 SC161
OADEV-System Administratio: 6.1.1
Application Object Library: 6.1.1
SQL*Forms           : 2.3.32.0.0
RDBMS               : 7.3.4.2.0

Form Name           : FNDFMSYS
Version             : 6.1.0
Last Modified       : 28-OCT-1996 19:49:52

Welcome
-----
at any time by pressing the backslash key [\]. You can
obtain help by selecting the help menu choice.

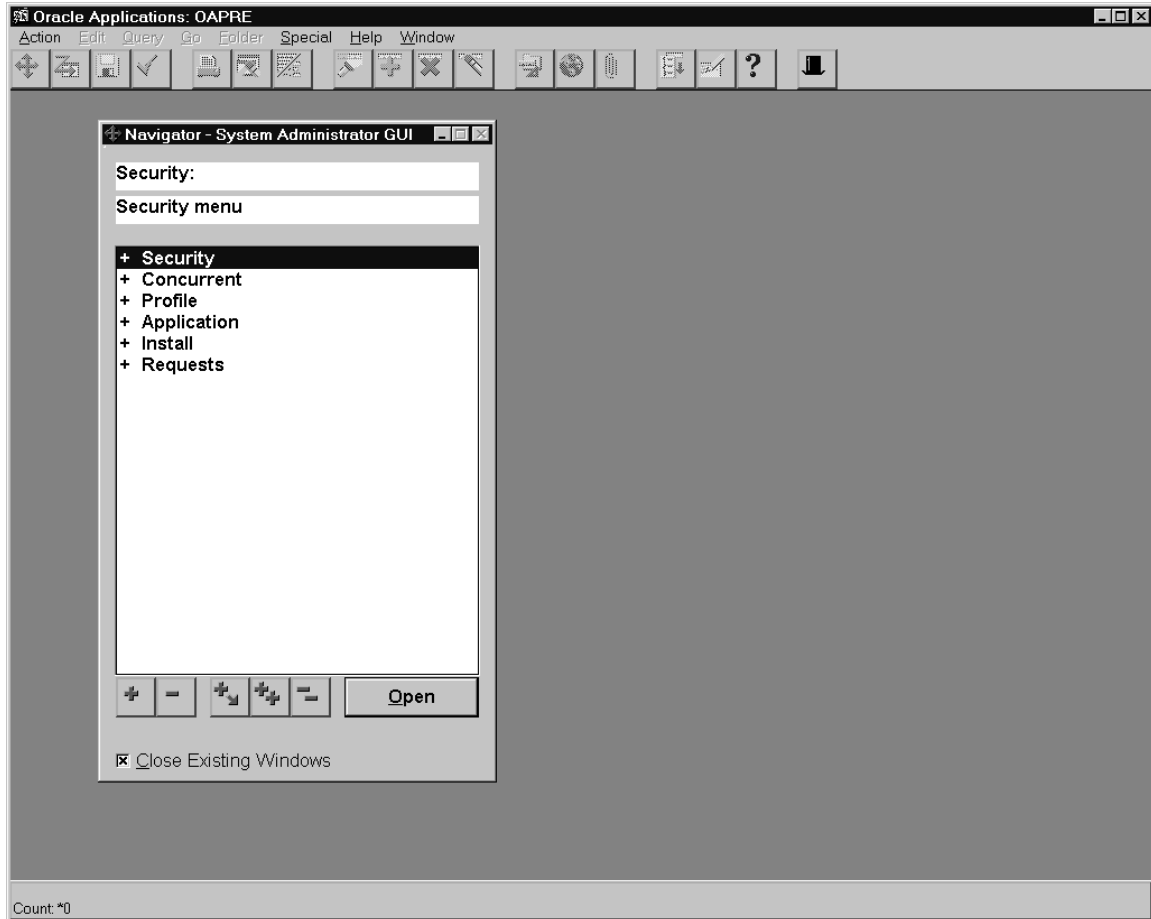
Press any key to return...

Char Mode: Replace Page 1 Count: *0

```


3.2 SmartClient Window

3.2.1 View



3.2.2 Instructions

The methods described here require modifications to the FNDSCSGN.FMB form and the CUSTOM.PLL PL/SQL library. Since these are modifications, the original form and library should be backed up in case problems are encountered.

For SmartClient Production 16 the FNDSCSGN.FMB form is found in the %FND_TOP%\FORMS\US directory (e.g. typically c:\apps10\fd75\forms\us\fndscsgn.fmb) and the CUSTOM.PLL is found in the %AU_TOP%\RES\PLSQL (e.g. typically c:\apps10\au10\res\plsql\custom.pll).

3.2.2.1 Signon Form Modifications

1. Edit the form level trigger "WHEN-NEW-FORM-INSTANCE" and change the code as shown below:

Form: FNDSCSGN

Trigger: WHEN-NEW-FORM-INSTANCE

Original Code:

```
:global.debug := 'N';
START_UP;
```

New Code:

```
DECLARE
  var_app_title  VARCHAR(100);
BEGIN
  :global.debug := 'N';
  START_UP;
  var_app_title := 'Oracle Applications: ' || get_application_property(CONNECT_STRING);
  set_window_property(FORMS_MDI_WINDOW, TITLE, var_app_title);
END;
```

2. Compile the form and save it.
3. Generate the form executable "FNDS CSGN.FMX".
4. Copy the new form executable to the %FND_TOP%\FORMS\US directory.

Note: This new form must be accessible to all client machines that expect to use it.

3.2.2.2 Custom Library Modifications

1. Open the CUSTOM.PLL library with the Forms 4.5 Designer and connect to the APPS database account.
2. Edit the "custom.style" procedure as shown below:

Library: CUSTOM.PLL
Program Unit: CUSTOM (Package Body)
Function: Style

Original Code:

```
return custom.standard;
```

New Code:

```
IF (event_name='WHEN-NEW-FORM-INSTANCE')
THEN
  return custom.after;
ELSE
  return custom.standard;
END IF;
```

3. Edit the "custom.event" procedure as shown below:

Library: CUSTOM.PLL
Program Unit: CUSTOM (Package Body)
Procedure: Event

Original Code:

```
null;
```

New Code:

```
DECLARE
  var_app_title  VARCHAR(100);
BEGIN
  IF (event_name = 'WHEN-NEW-FORM-INSTANCE')
```

```
THEN
  var_app_title := 'Oracle Applications: '||get_application_property(CONNECT_STRING);
  set_window_property(FORMS_MDI_WINDOW,TITLE,var_app_title);
END IF;
END;
```

4. Compile the library and save it.
5. Generate the library executable "CUSTOM.PLX".
6. Copy the new library executable to the %AU_TOP%\RES\PLSQL directory.

Note: This new library must be accessible to all client machines that expect to use it.

4. NCA Mode

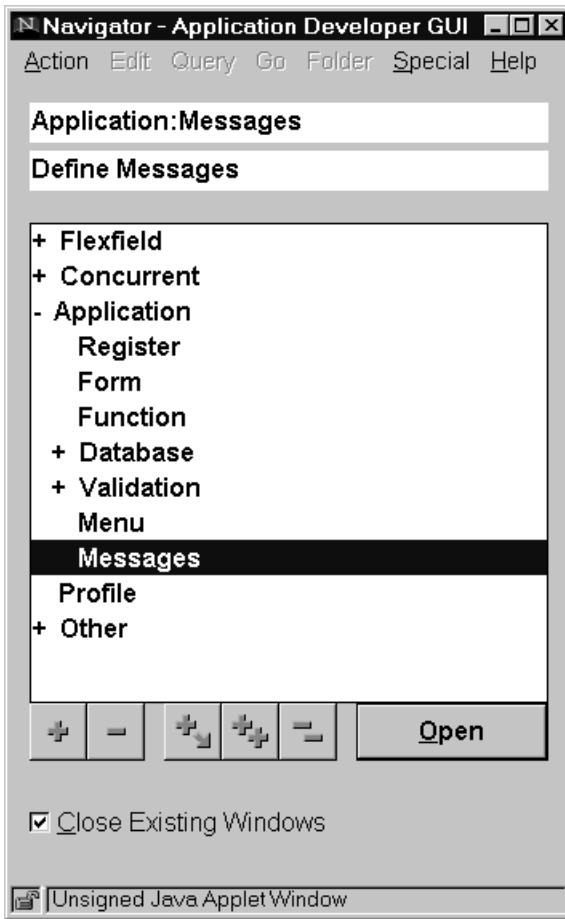
4.1 Overview

With the NCA interface the “system identifier” can be displayed in the title of the “Navigator” window or it can be displayed through the “Site Name” profile option as in the character and SmartClient interfaces. A third option is to define a menu function to hold the name of the system identifier, this method is not detailed, which will then show up as one of the options in the “Navigator” window. Since this method is similar to the “message modification” method it will not be addressed in this paper.

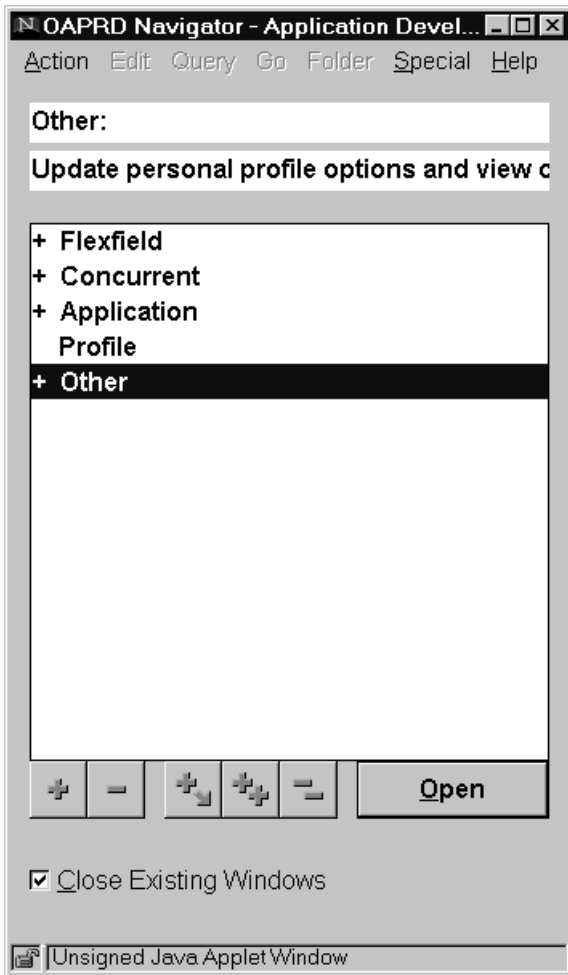
4.2 Message Modification

4.2.1 View

The Navigator window normally looks like this:



With the message change, it now looks like this:



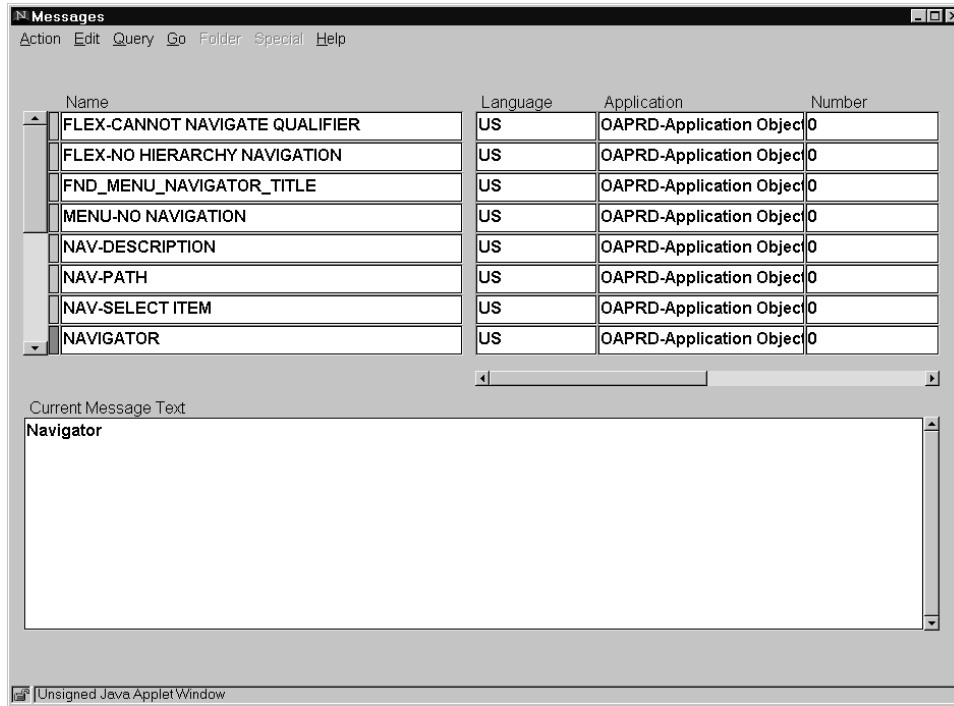
4.2.2 Instructions

The following instructions consist of two steps. First the appropriate message is changed in the application and then a new message file is generated for use on the Forms Server.

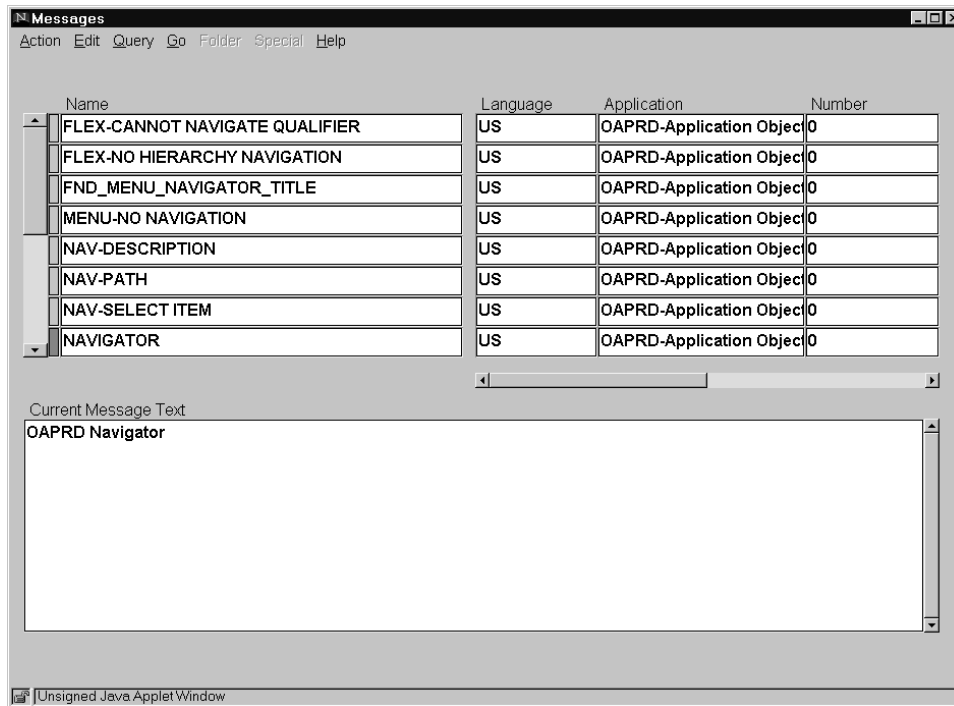
4.2.2.1 Message Change

The Navigator window uses an Application Object Library message called NAVIGATOR to place the message text in the title of the Navigator window along with the responsibility name. The message can be changed by invoking the Application Developer GUI responsibility and clicking on "Application" and then "Messages". The "Messages" screen will appear and the message "NAVIGATOR" should be queried. The field "Current Message Text" should be modified from "Navigator" to something like "OAPRD Navigator". The change should then be saved.

The original message looks like this:



The new message looks like:



4.2.3 Message File Generation

In order for the form server to pick up the new message a new message file will have to be generated. This is accomplished by generating a new US.msb file in the \$FND_TOP/mesg directory on each application server (e.g. appsnca). The message file can be generated using adadmin, this will generate all message files, or the file can be generated individually by changing to the \$FND_TOP/mesg directory and then issuing the command:

```
$FND_TOP/bin/FNDMDGEN apps/<apps password> 0 Y US FND DB_TO_RUNTIME
```

Note: On HP-UX this may require the patch 756935 if patch set C has been applied and the program core dumps.

Once this step is completed new user logins will see the new message in the Navigator window title.