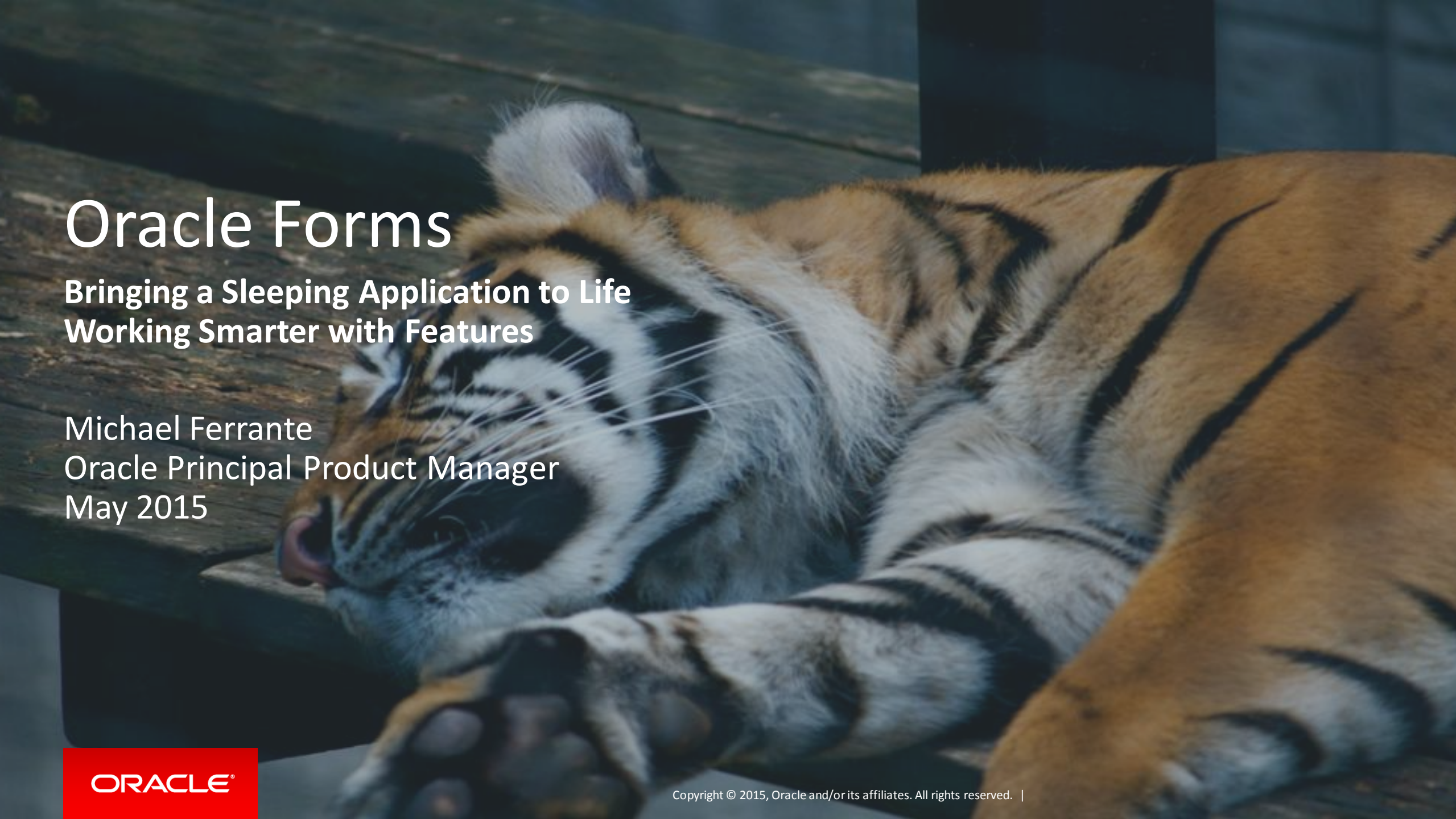
ORACLE®



Oracle Forms

Bringing a Sleeping Application to Life
Working Smarter with Features

Michael Ferrante
Oracle Principal Product Manager
May 2015

ORACLE

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Safe Harbor Statement

The following is intended to outline our general product direction. It is intended for information purposes only, and may not be incorporated into any contract. It is not a commitment to deliver any material, code, or functionality, and should not be relied upon in making purchasing decisions. The development, release, and timing of any features or functionality described for Oracle's products remains at the sole discretion of Oracle.

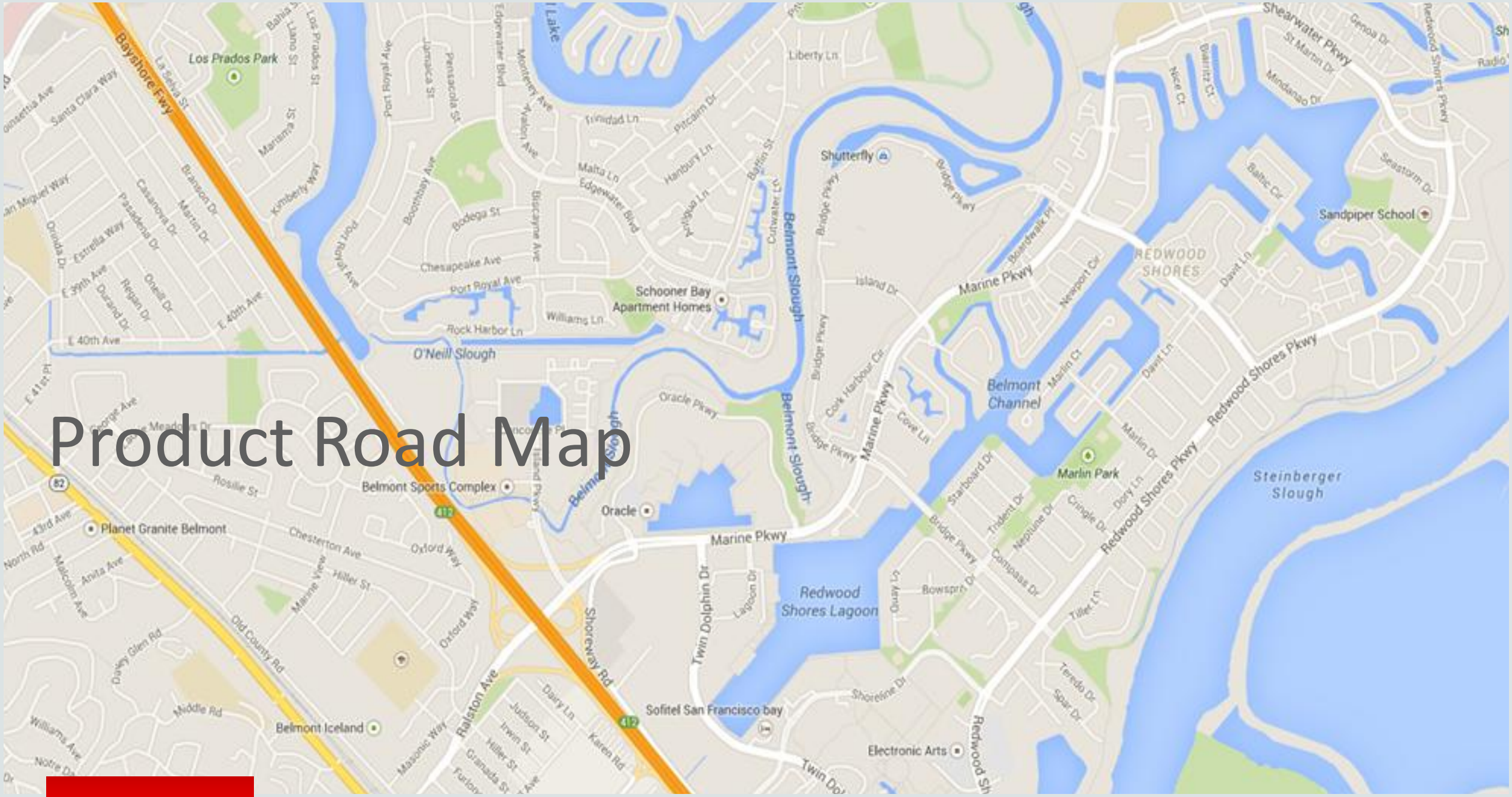
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Program Agenda

1. Product Road Map
2. Features in Action
3. A Look into the Future – What Next
4. Contact Information
5. Q & A

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Product Road Map



Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

The Time to Act is Now

Product support timeline

Release	GA Date	Premier Support Ends	Extended Support Ends	Sustaining Support Ends
Application Server 10gR2 (10.1.2.x) *	Jan - Oct 2005	Dec 2011	Not Available	Indefinite
Portal 11gR1, Forms 11gR1, Reports 11gR1 and Discoverer 11gR1 (11.1.1.x) ****	Jun 2009	Jun 2014	Jun 2017	Indefinite
Forms and Reports 11gR2 (11.1.2.x)	Oct 2011	Dec 2016	Dec 2018	Indefinite

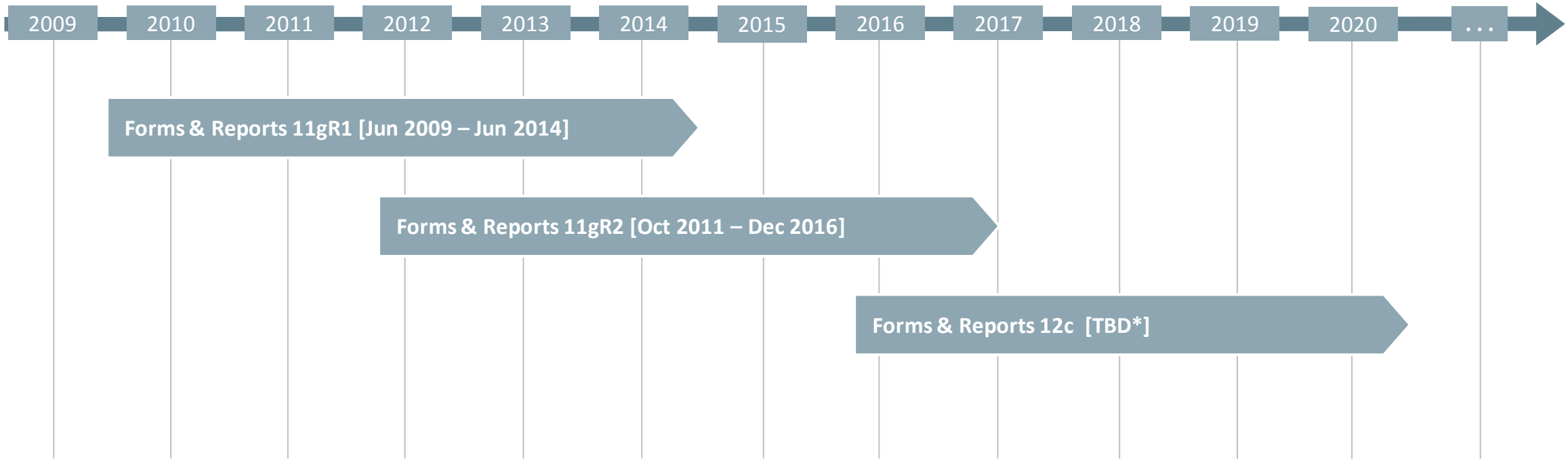
Note: The next version (e.g. 12c) will be added to the Lifetime Support Policy after it has been released.
For detailed desupport information about 6i (6.0.8), refer to MOS Note 228666.1

http://www.oracle.com/us/support/lifetime-support

Updated April 2015

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Product Roadmap



This roadmap represents the time between General Availability and the end of Premier Support.
Refer to the Oracle Lifetime Support Policy documentation for the latest dates.
**Exact date for the release of 12c is still to be determined. Dates shown in this slide are for illustration purposes only.*

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

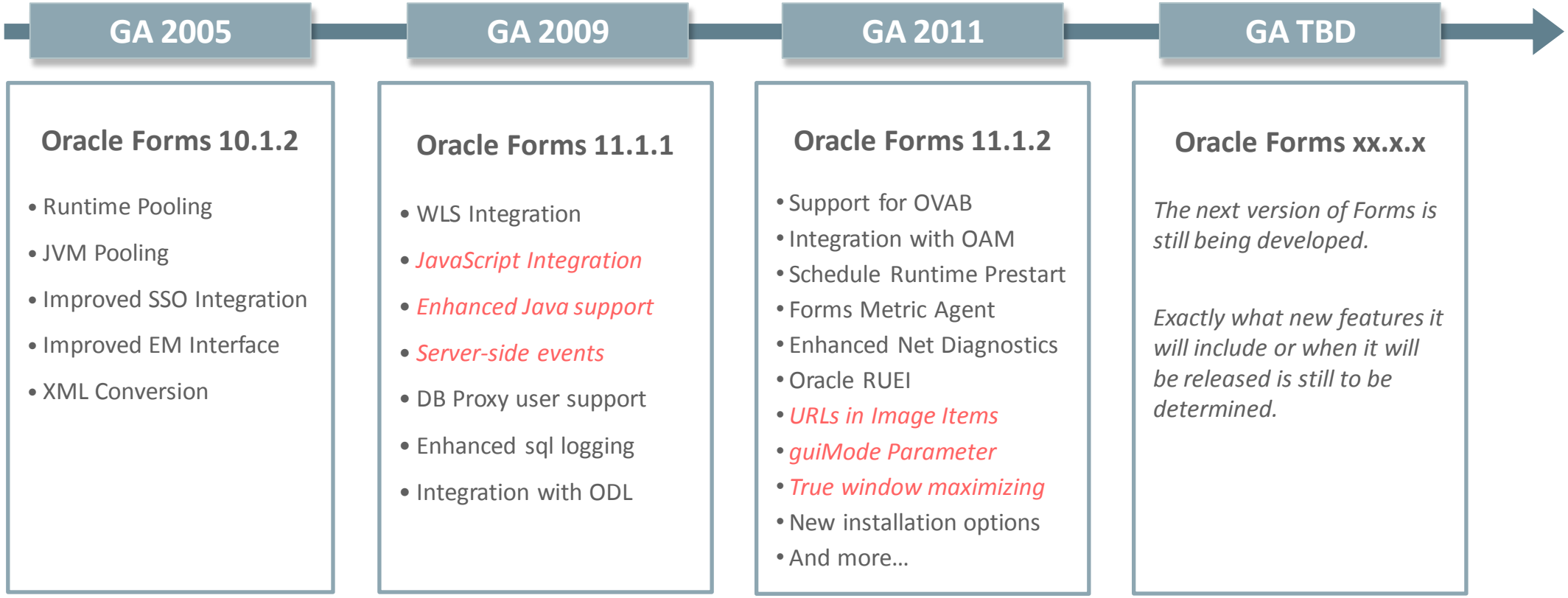
Features in Action

New and old

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Oracle Forms

Highlighted features



Note: Items in red are functional features that can be used to enhance an application's UI and integration with other technologies.

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Working Smarter

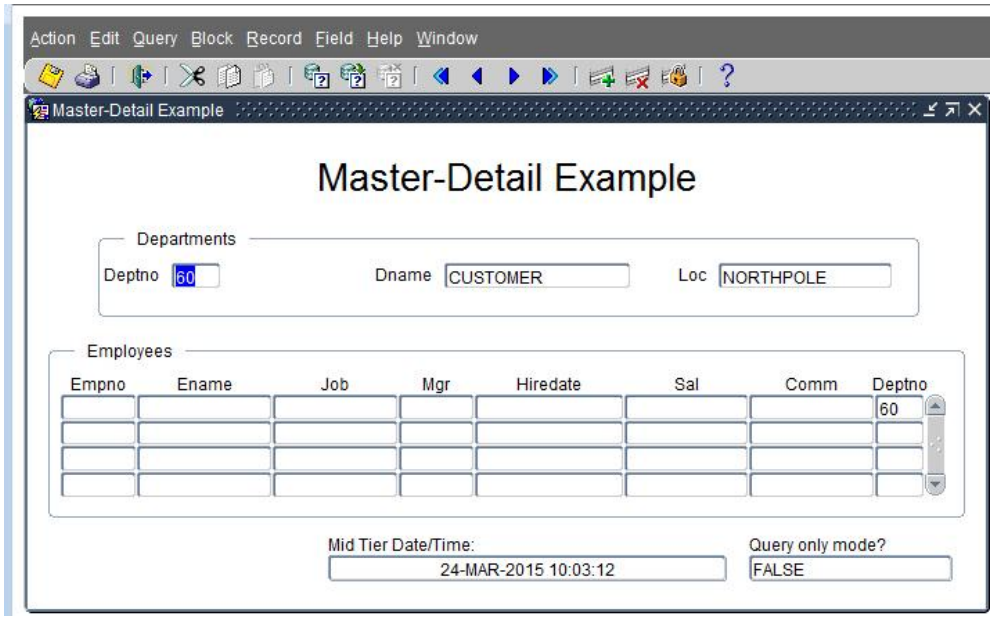
Time saving tips

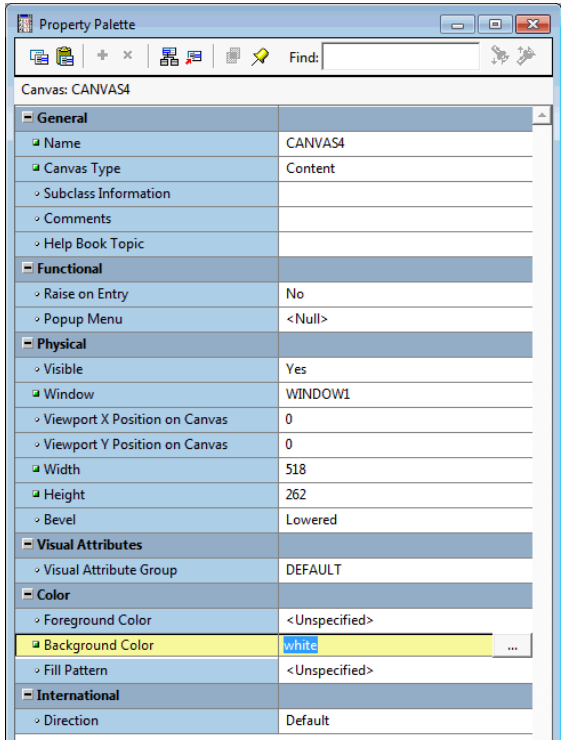
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Single Property Inherit – available in all versions

Take advantage of default behavior. Don't hardcode visual object properties. Use defaults to give the end-user control over how the app looks. Use the applet parameter colorScheme.



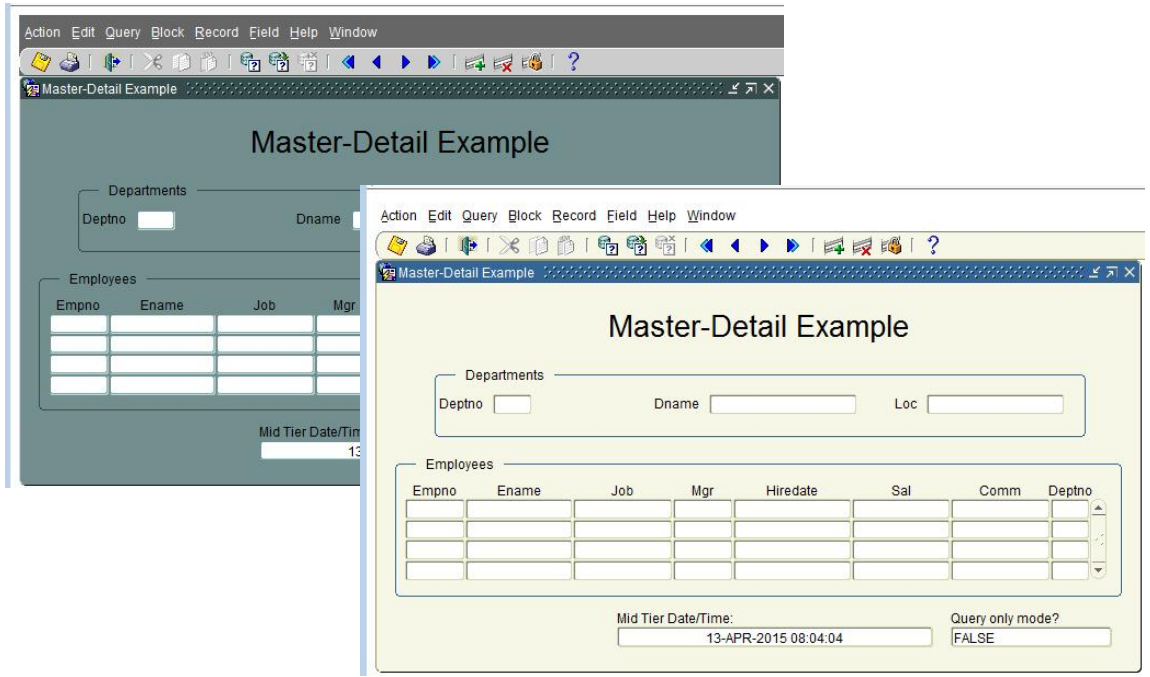


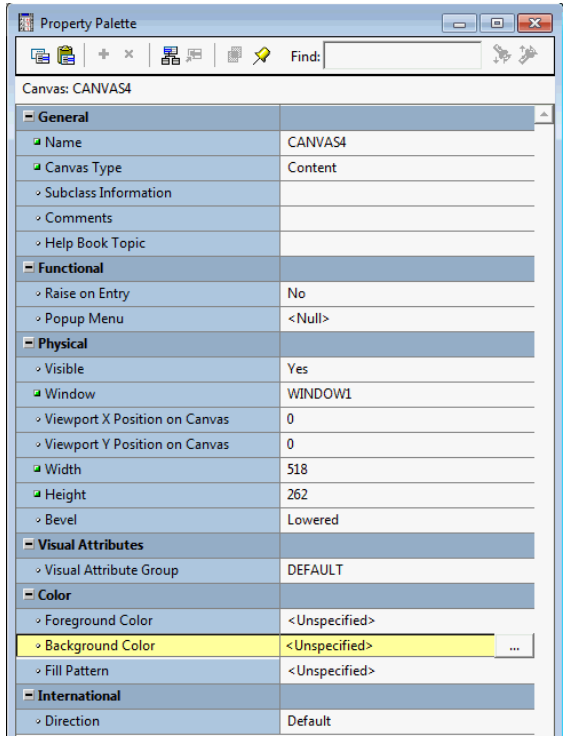
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Single Property Inherit – available in all versions

Take advantage of default behavior. Don't hardcode visual object properties. Use defaults to give the end-user control over how the app looks. Use the applet parameter colorScheme.



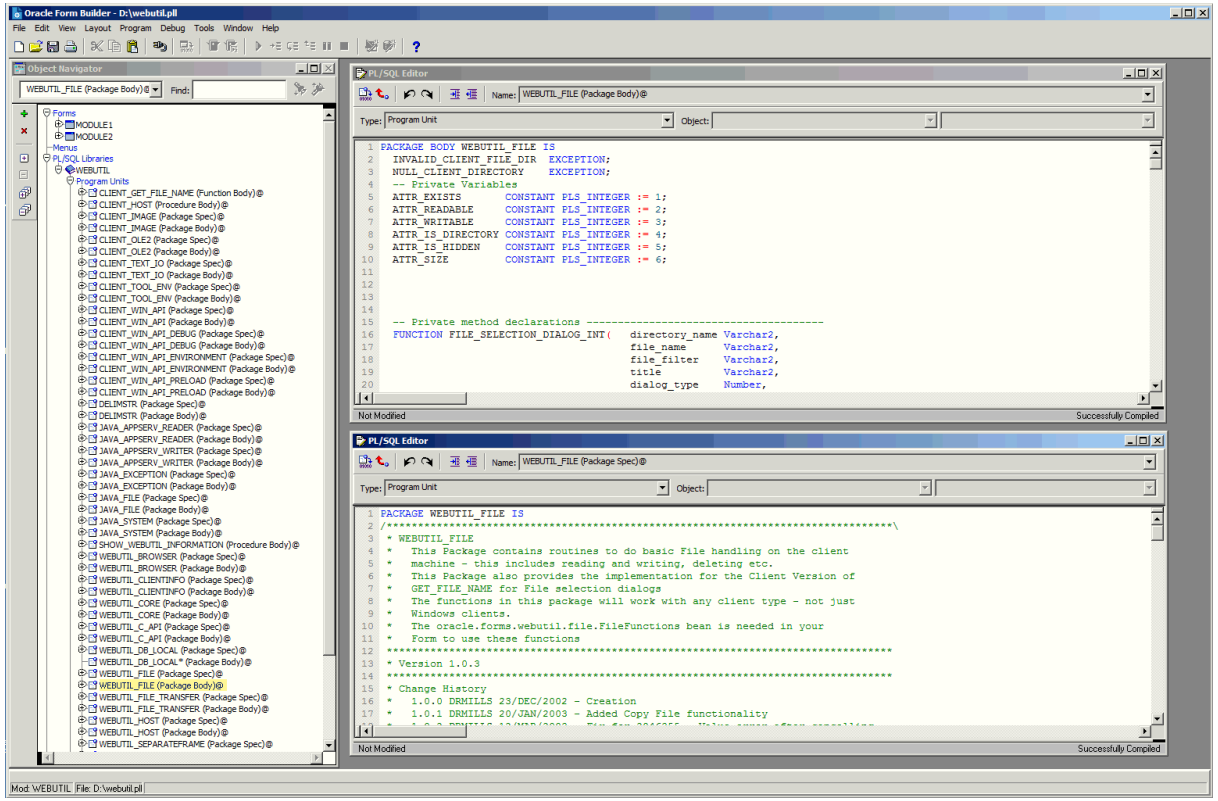


Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Working with the PL/SQL Editor

Use Shift+MouseDoubleClick to open a new PL/SQL Editor

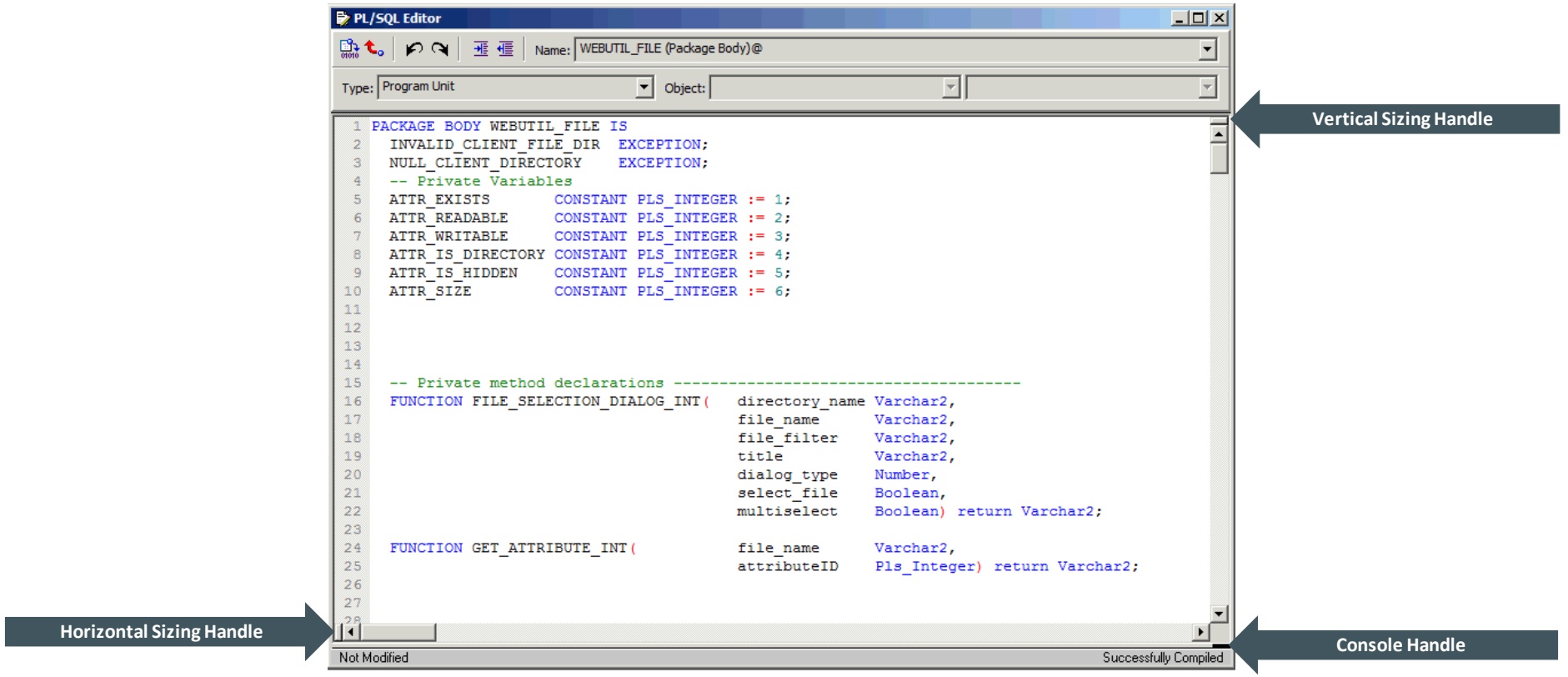


Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Working with the PL/SQL Editor

Reviewing multiple areas of the same trigger code



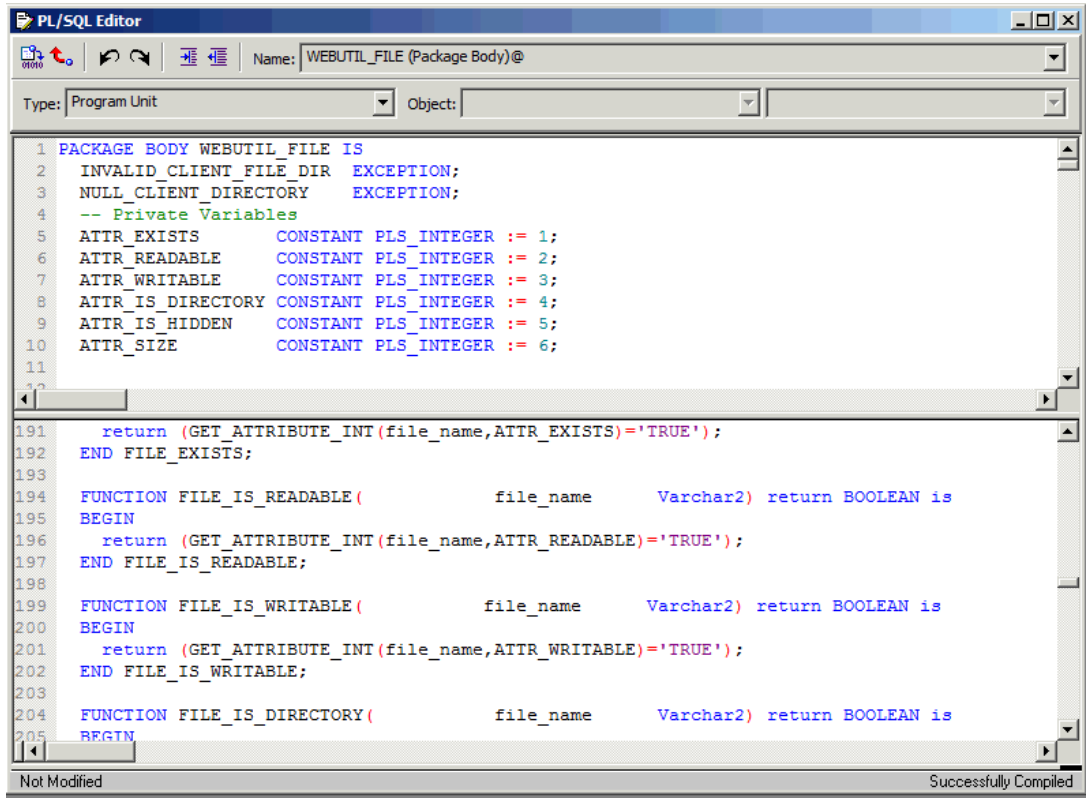

```
1  PACKAGE BODY WEBUTIL_FILE IS
2    INVALID_CLIENT_FILE_DIR  EXCEPTION;
3    NULL_CLIENT_DIRECTORY    EXCEPTION;
4    -- Private Variables
5    ATTR_EXISTS       CONSTANT PLS_INTEGER := 1;
6    ATTR_READABLE     CONSTANT PLS_INTEGER := 2;
7    ATTR_WRITABLE     CONSTANT PLS_INTEGER := 3;
8    ATTR_IS_DIRECTORY CONSTANT PLS_INTEGER := 4;
9    ATTR_IS_HIDDEN    CONSTANT PLS_INTEGER := 5;
10   ATTR_SIZE         CONSTANT PLS_INTEGER := 6;
11
12
13
14
15   -- Private method declarations ------------------------------------
16   FUNCTION FILE_SELECTION_DIALOG_INT(   directory_name Varchar2,
17                                         file_name      Varchar2,
18                                         file_filter    Varchar2,
19                                         title          Varchar2,
20                                         dialog_type    Number,
21                                         select_file    Boolean,
22                                         multiselect    Boolean) return Varchar2;
23
24   FUNCTION GET_ATTRIBUTE_INT(           file_name      Varchar2,
25                                         attributeID    Pls_Integer) return Varchar2;
26
27
28
```

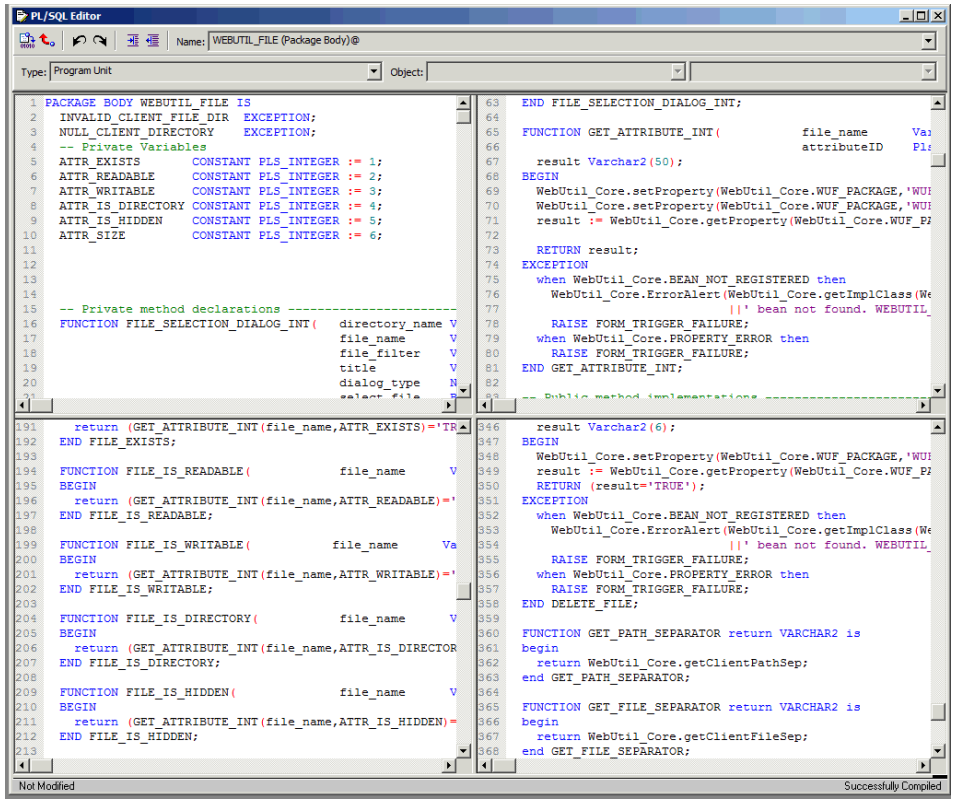
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Working with the PL/SQL Editor

Reviewing multiple areas of the same trigger code



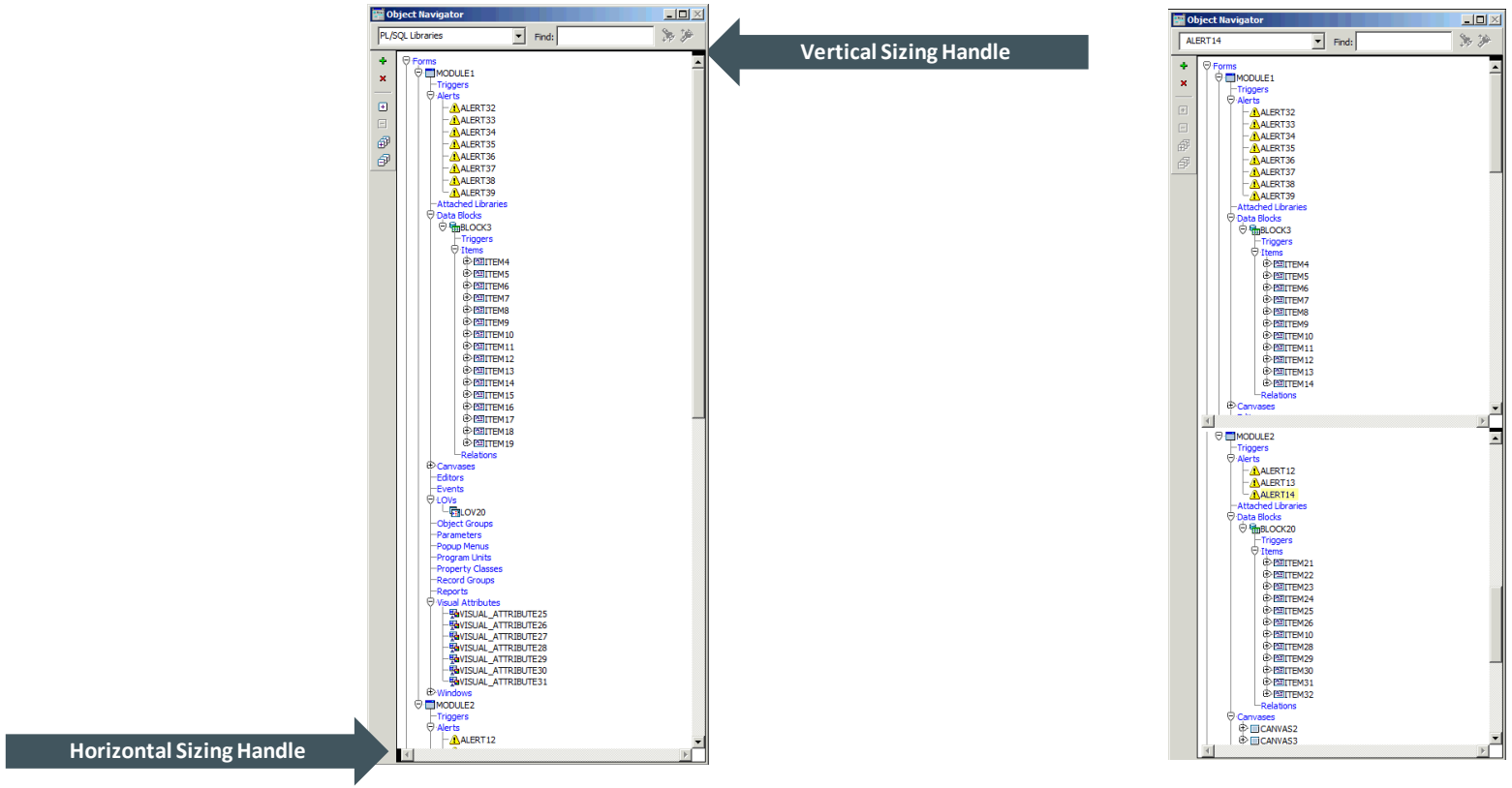


Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Form Builder

Working with the Object Navigator

Reviewing multiple objects simultaneously



Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Application Enhancement Tips

Existing features and how to use them

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Features That Make Integration Easy

Hybrid examples

- Living Side By Side

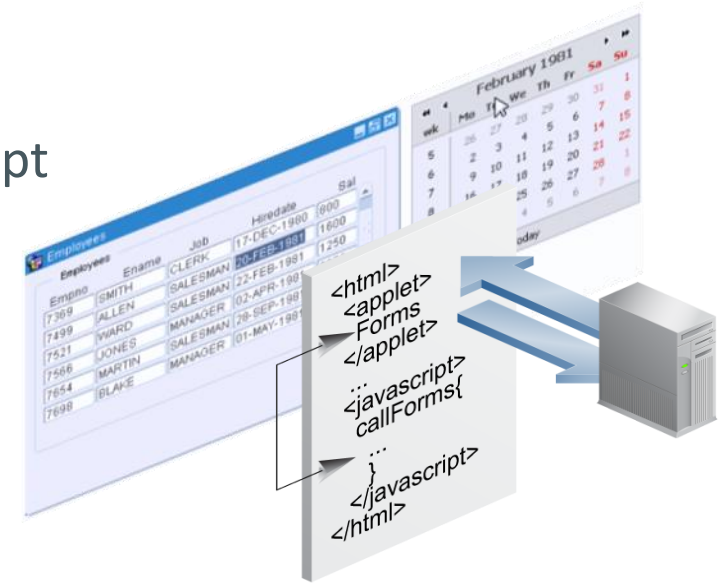
  Forms running side-by-side with other technologies

- Visual Integration

  Create a common UI – Forms & ADF/APEX/Java - Javascript

- Process / Service Integration

  Run common business logic - DB Events / Webservices



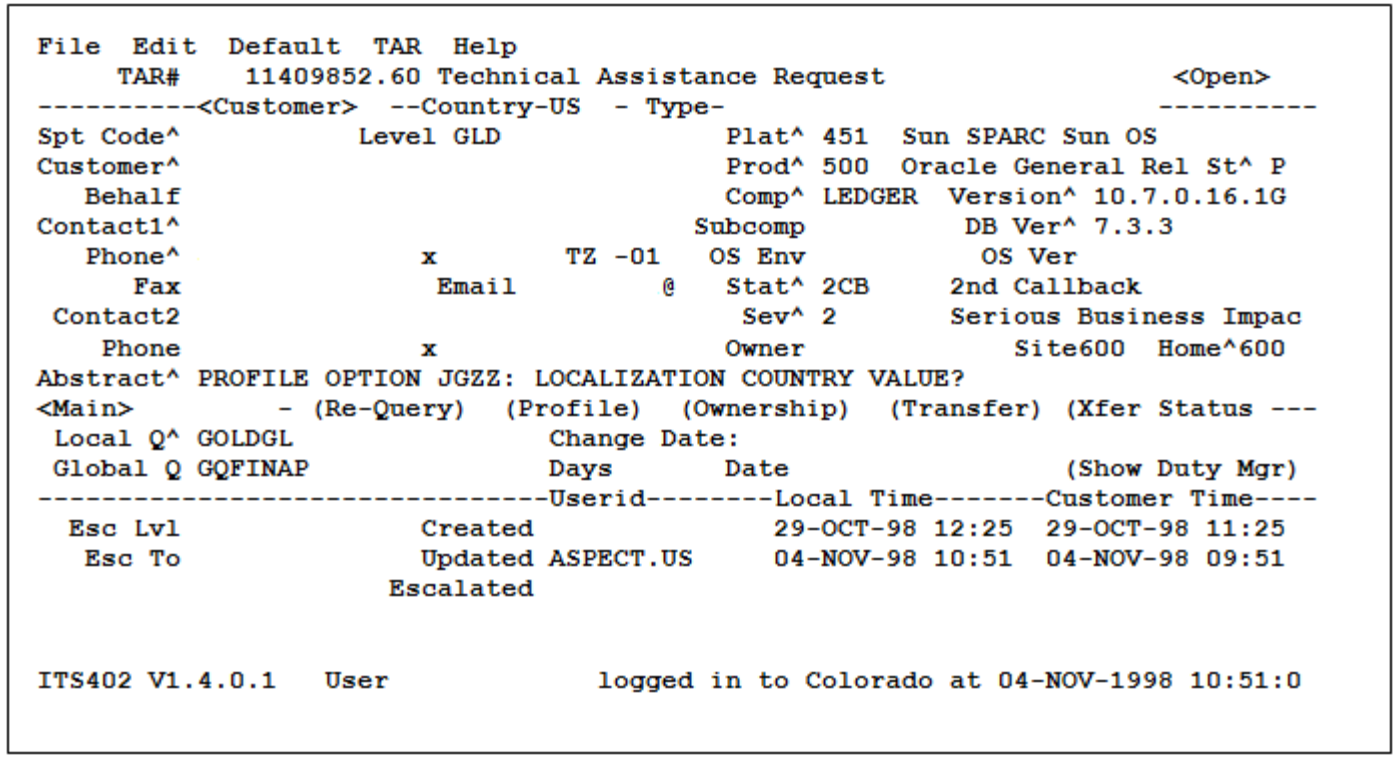
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Using Color to Improve Appearance

A fresh look is only a colorScheme away

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Memory Lane - Character Mode



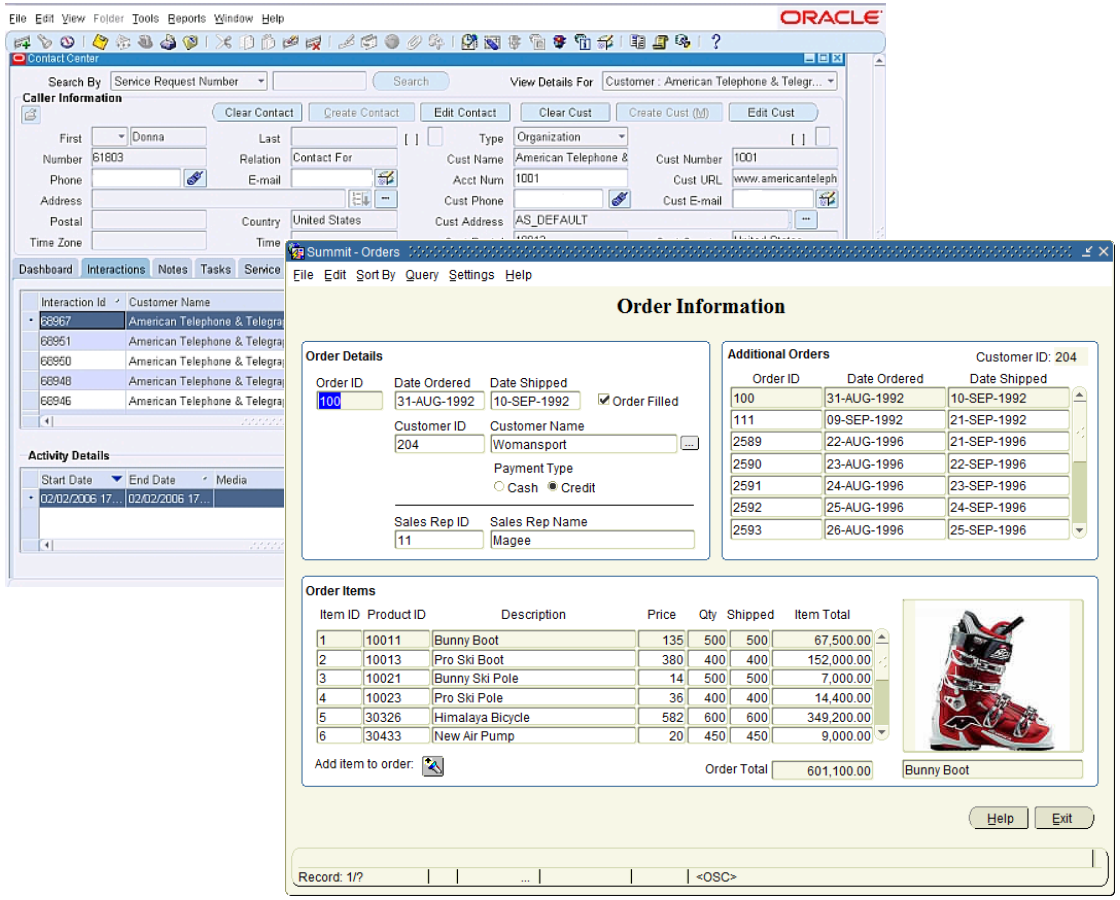
Oracle Forms 4.5 presented in character mode.

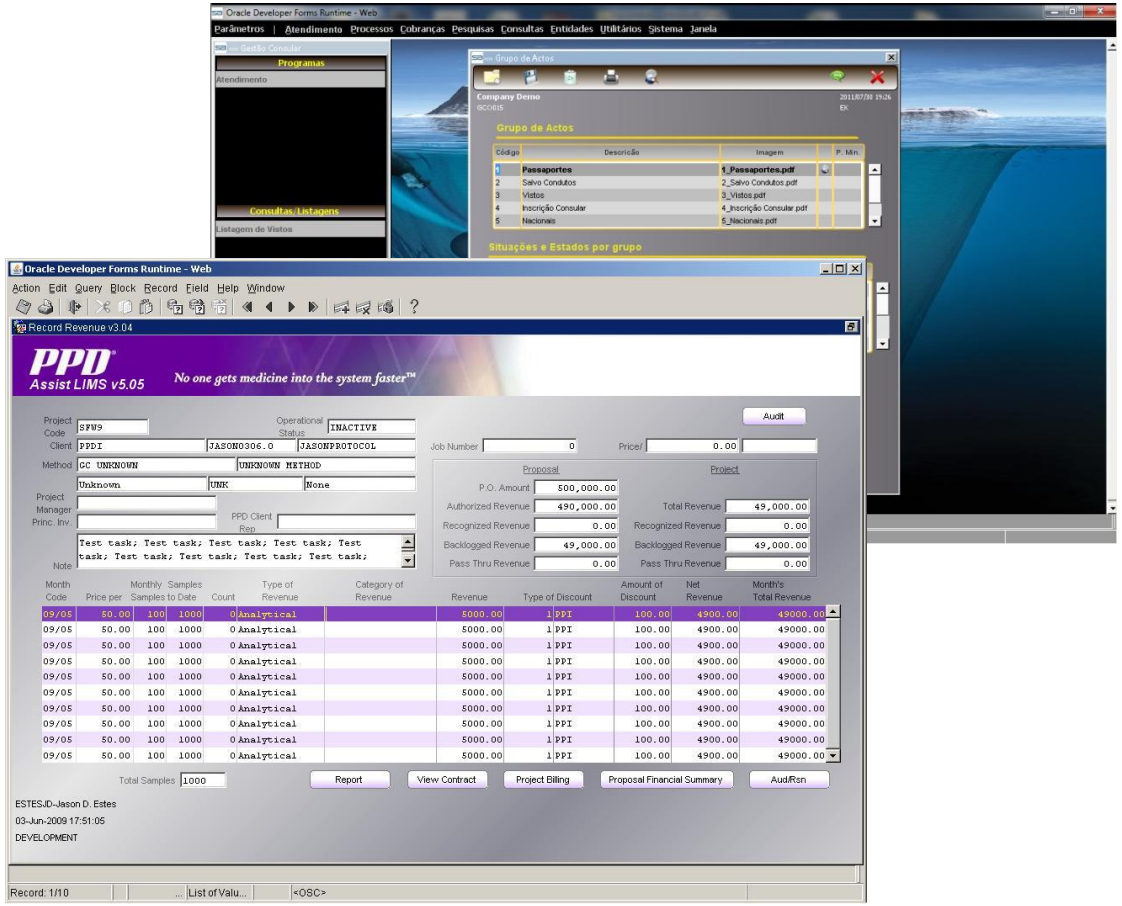
This image was taken in 1998 and used in a training guide for Oracle employees. At that time, many of Oracle's internal applications used Oracle Forms.

Although this old system has been decommissioned, several other internal systems still use Oracle Forms.

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

A Modern Look-And-Feel



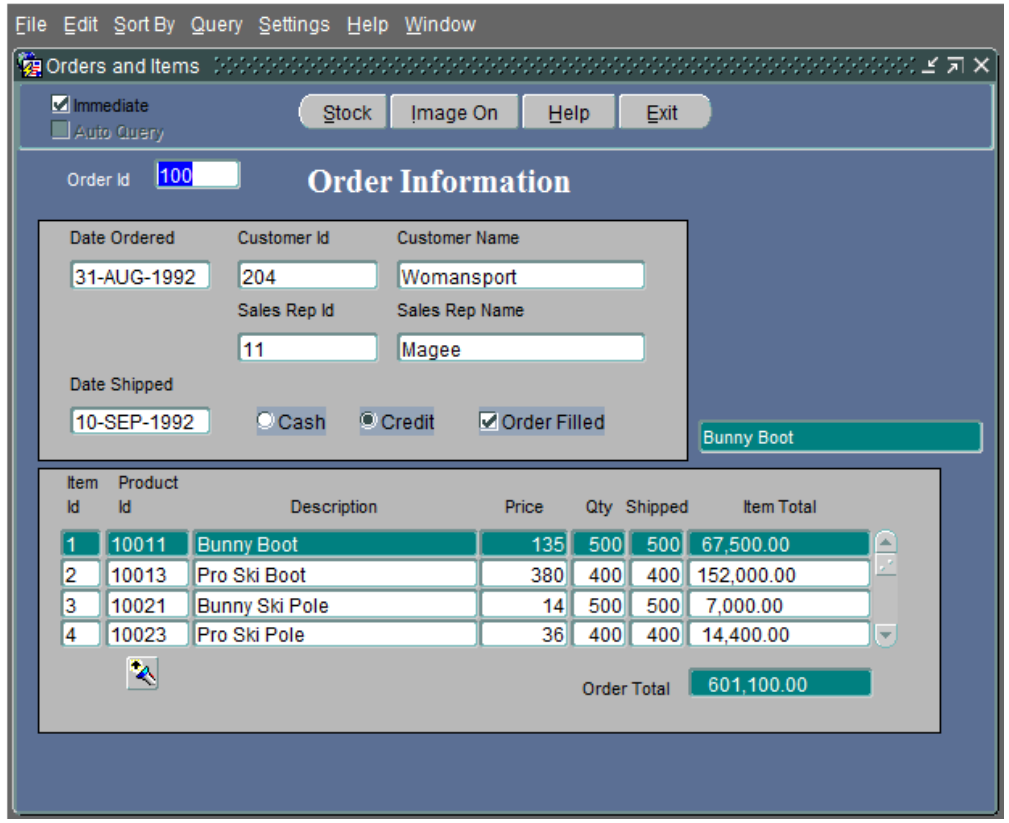


Oracle Forms Look and Feel Project
created by Francois Degrelle
http://fdtool.free.fr/LAF/doc/Oracle_Forms_Look_and_Feel_project.htm

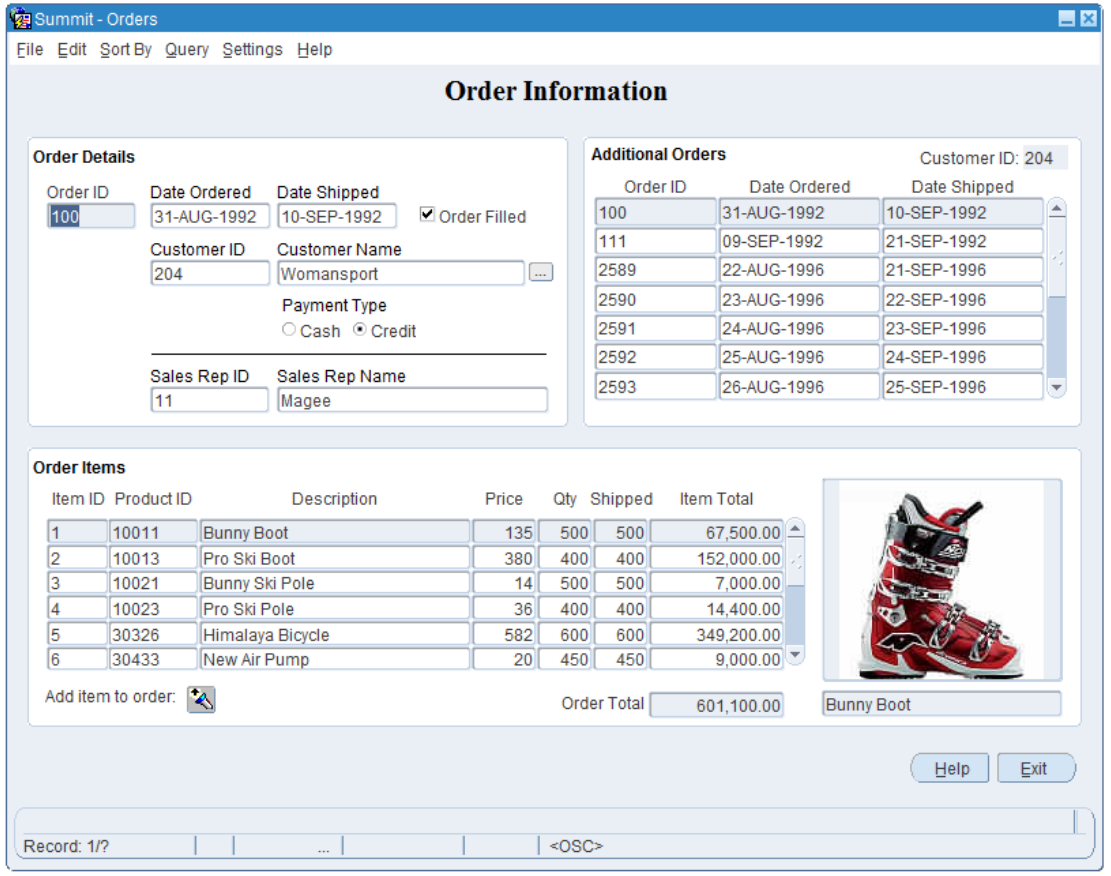
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

Application color enhancements



SWAN



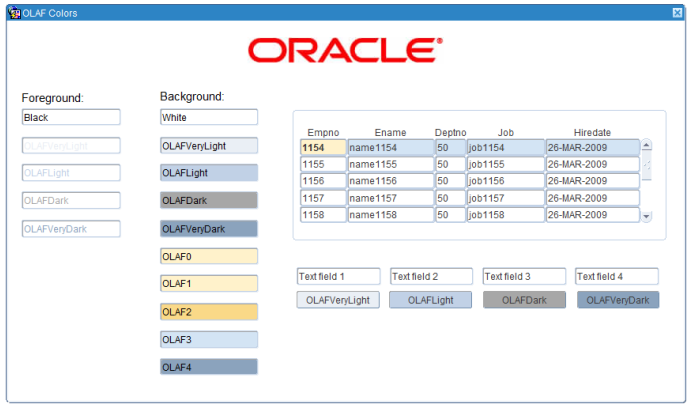
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

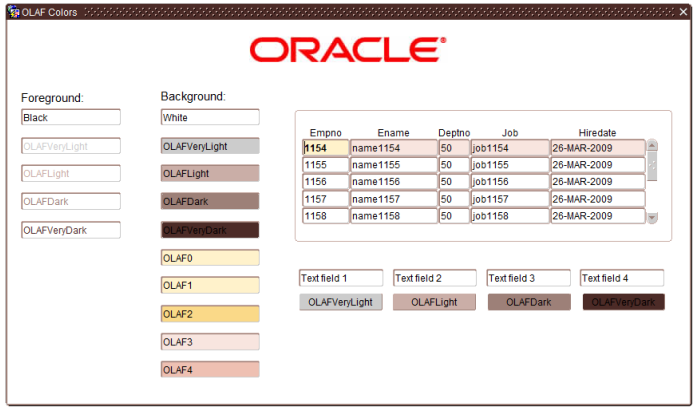
Flexibility in Color

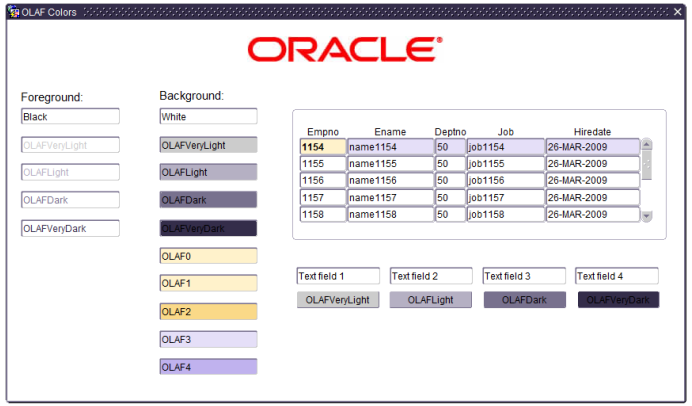
ColorSchemes and OLAF colors

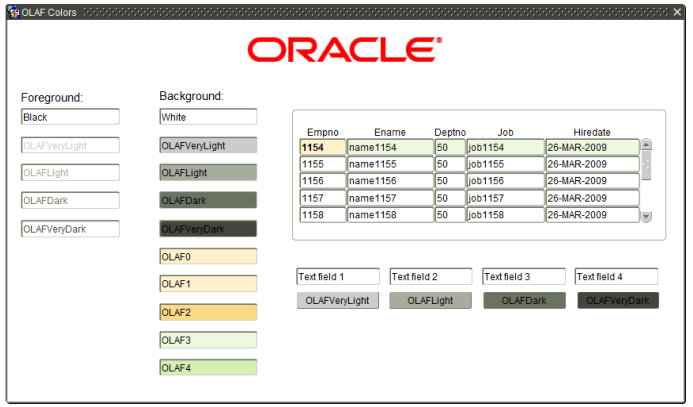
ColorSchemes

- Teal
- Titanium
- Red
- Khaki
- Blue
- Olive
- Purple
- BLAF
- SWAN









OLAF Colors

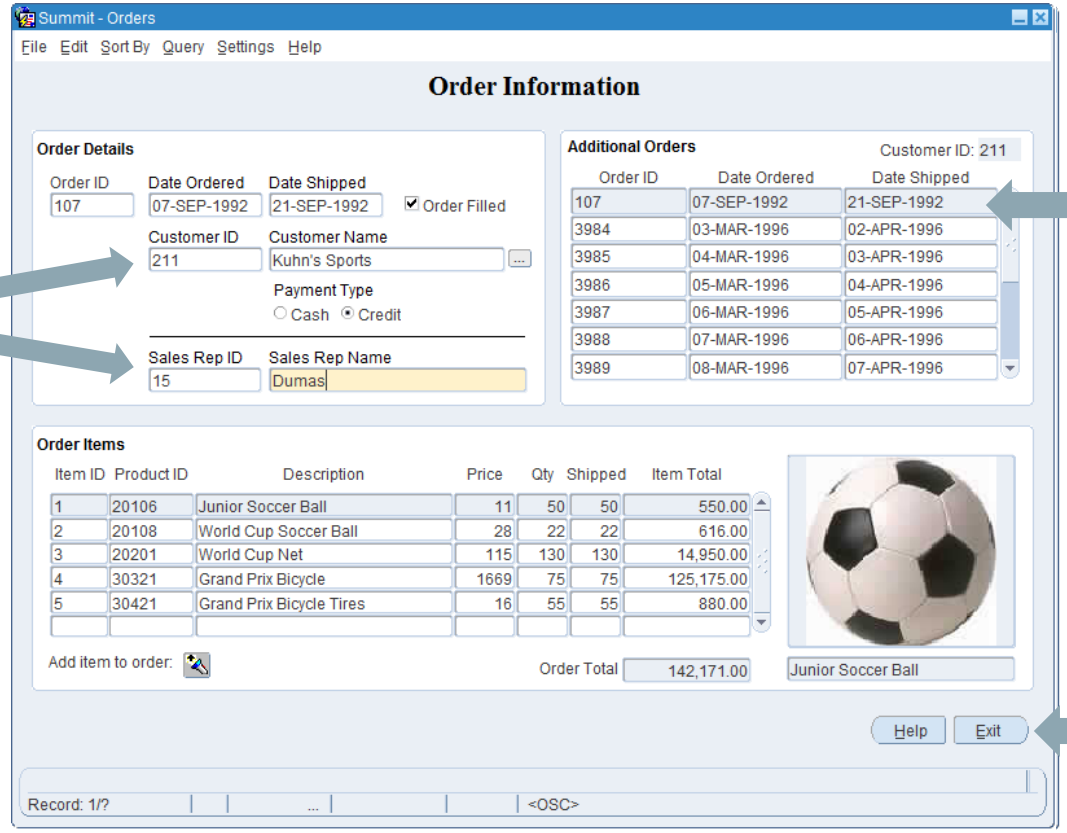
- OLAFVeryLight
- OLAFLight
- OLAFDark
- OLAFVeryDark
- OLAF0
- OLAF1
- OLAF2
- OLAF3
- OLAF4

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

Item color enhancements

Highlight the current item to improve visibility



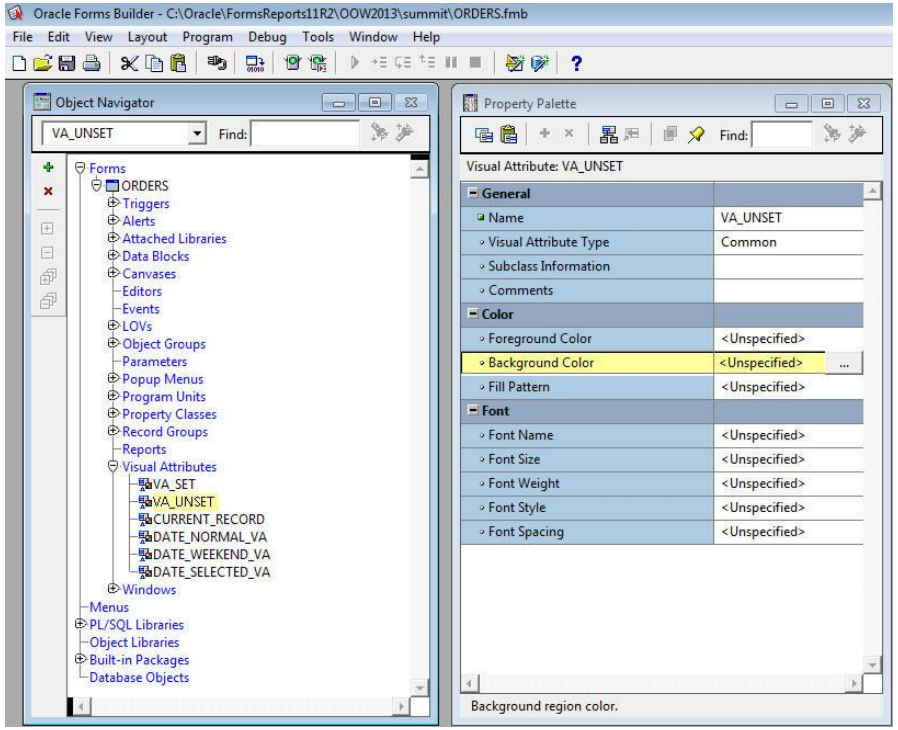
Highlight the current record to improve visibility

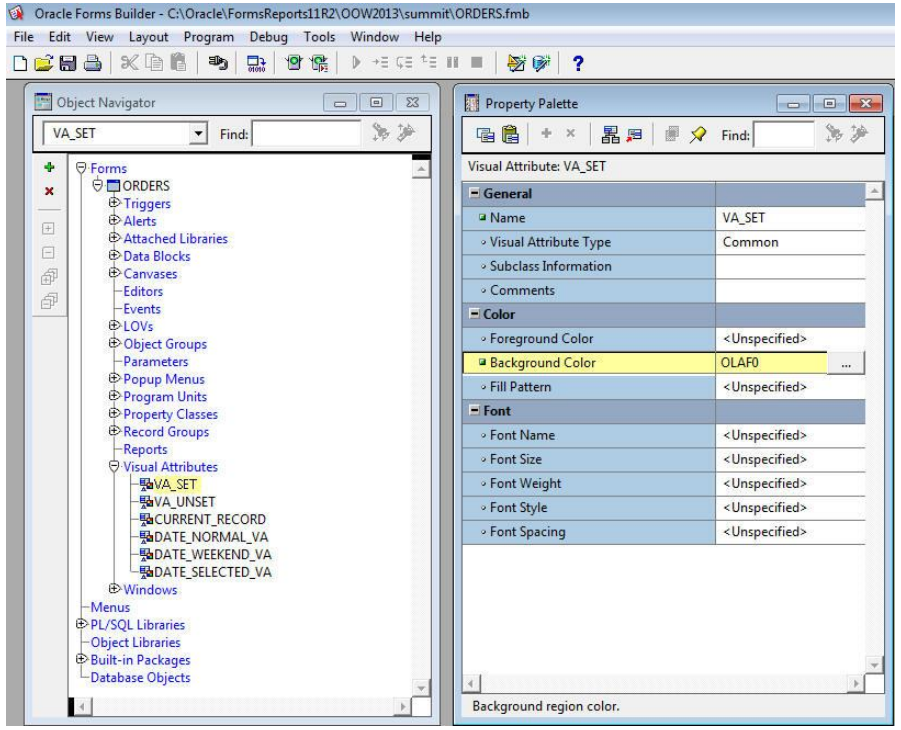
Object colors that complement the overall application appearance

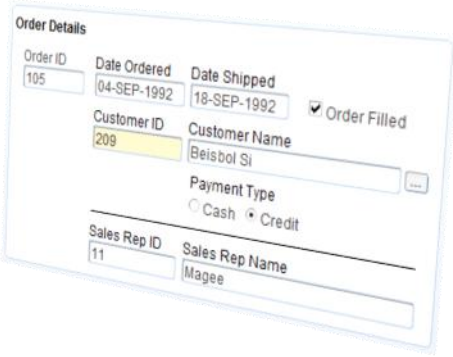
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

Color enhancements using PL/SQL – current item example







Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

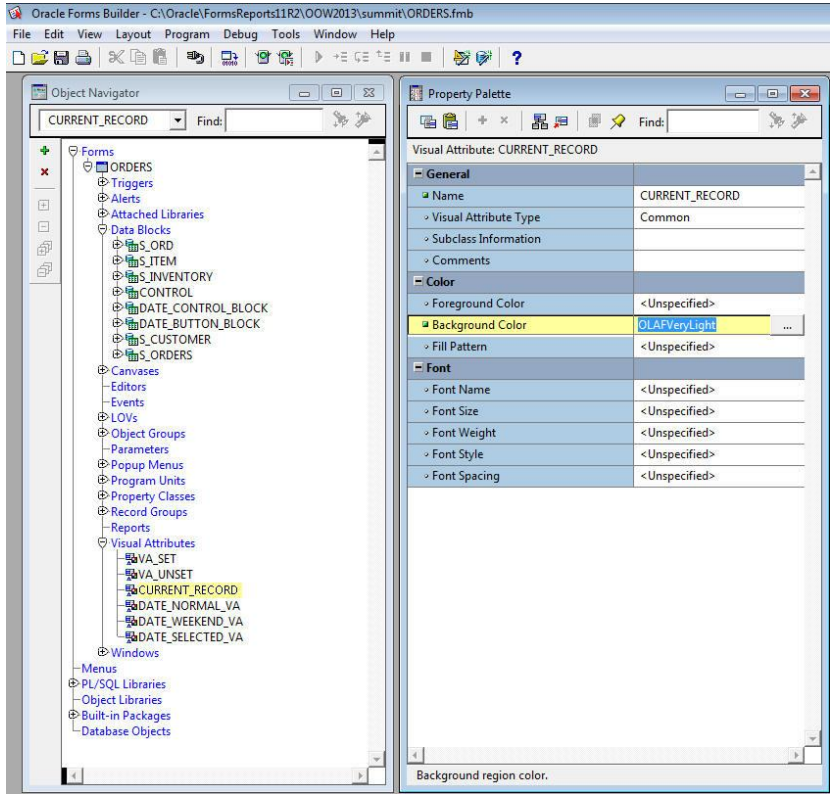
Color enhancements using PL/SQL – current item example

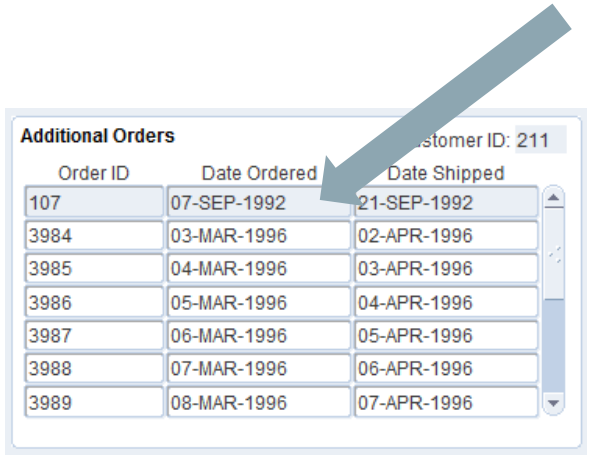
```
Declare
  ui_type varchar2(11);
Begin
  -- Set defaults for globals
  Default_Value(:system.cursor_item,'global.prev_item');
  Default_Value(:system.cursor_record,'global.prev_record');

  -- Only change colors if item is a TEXT ITEM
  ui_type := GET_ITEM_PROPERTY(:system.cursor_item, ITEM_TYPE);
  If upper(ui_type) = 'TEXT ITEM' Then

    -- Has the cursor changed locations?
    If :global.prev_item != :system.cursor_item OR :global.prev_record != :system.cursor_record Then

      -- Reset the background color of the item just exited
      set_item_instance_property(:global.prev_item, to_number(:global.prev_record),VISUAL_ATTRIBUTE,'VA_UNSET');
    End if;

    -- Set the new background color for the current item
    set_item_instance_property(:system.cursor_item, current_record,VISUAL_ATTRIBUTE,'VA_SET');

    -- Prepare for next item instance. Set previous item reminder to the current item
    :global.prev_item := :system.cursor_item;
    :global.prev_record := :system.cursor_record;
  End if;
End;
```

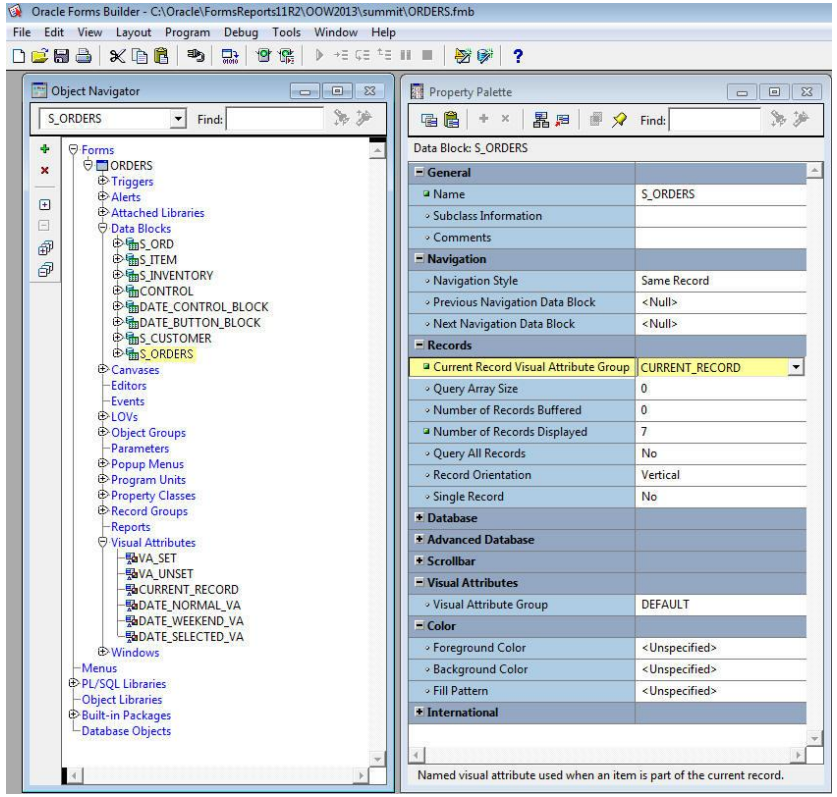
Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

Color enhancements declaratively – current record example



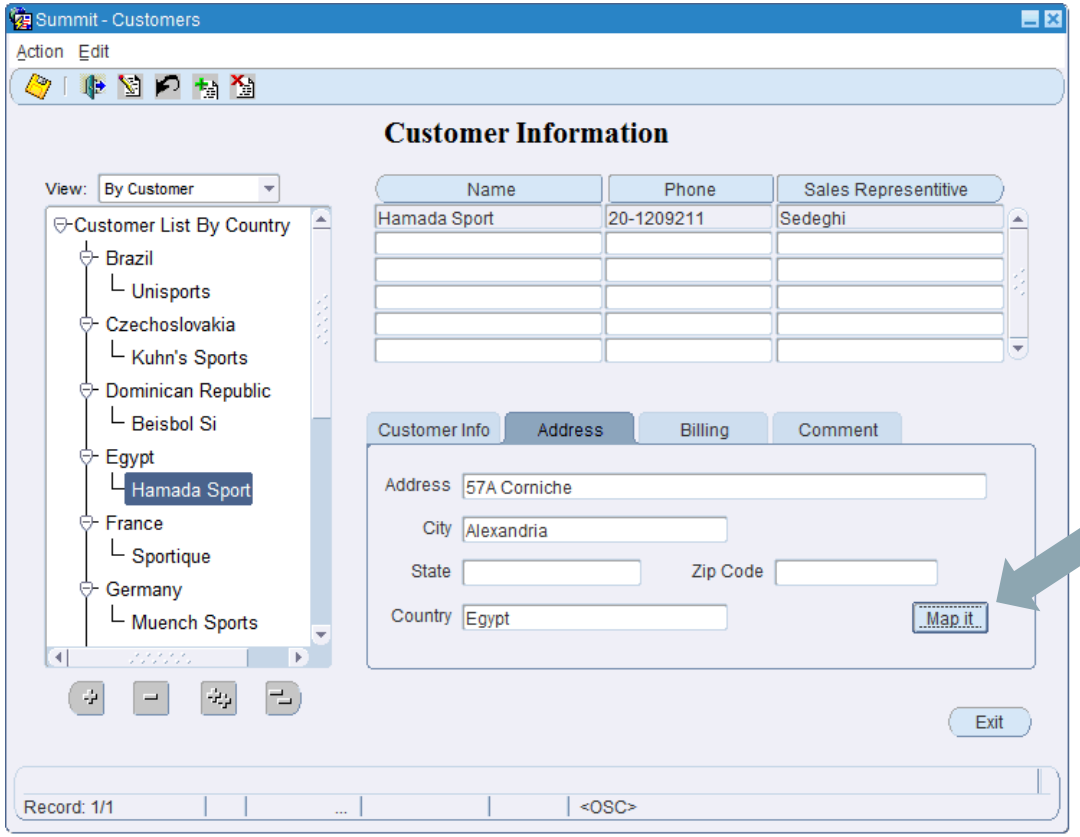


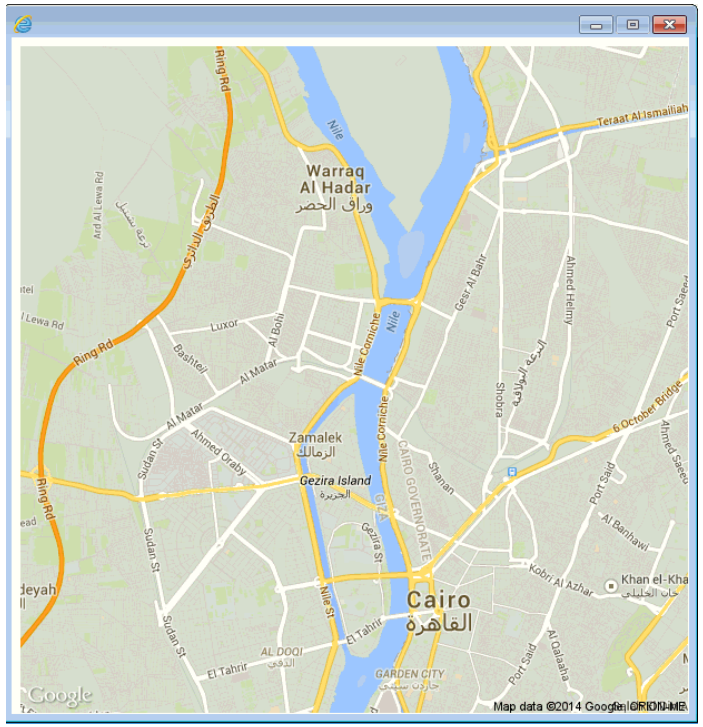


Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

Google static map integration





Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Summit Demo

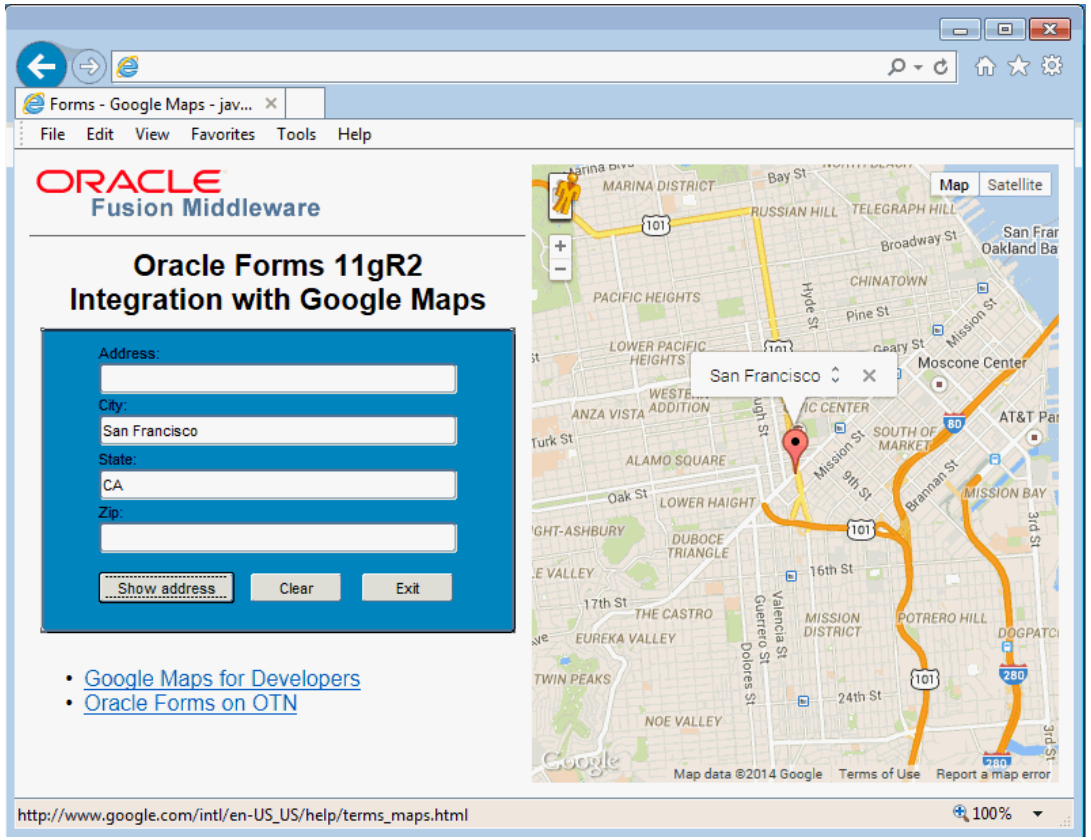
Google static map integration code

```
Declare
  v_address varchar2(32767);
  inJS  varchar2(32767);

Begin
  -- Build address string for Google
    v_address := :s_customer.address||','||:s_customer.city||','||:s_customer.state||','||:s_customer.zip_code||','||:s_customer.country;

  inJS :=
          'new_win=window.open("","new_win","menubar=0,location=0,toolbar=0,status=0,scrollbars=0,resizable=0,width=605,height=605");
          new_win.document.write('||chr(39)||'<img src="http://maps.googleapis.com/maps/api/staticmap?center='||''||v_address||''||'
          &zoom=13&size=600x600&maptype=roadmap&markers=color:blue" alt="Google Maps">'||chr(39)||');
        ';
  --Show map
  web.javascript_eval_expr(inJS);

End;
```

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Other Visual Enhancements

Forms applet parameter – guiMode and Java Script integration




```
[google]
form=google
colorscheme=blue
background=no
splashScreen=no
guiMode=3
```

https://developers.google.com/maps/documentation/javascript

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Other Visual Enhancements

Forms applet parameter – guiMode and Java Script integration

HTML – Java Script (e.g. basejpi.htm)

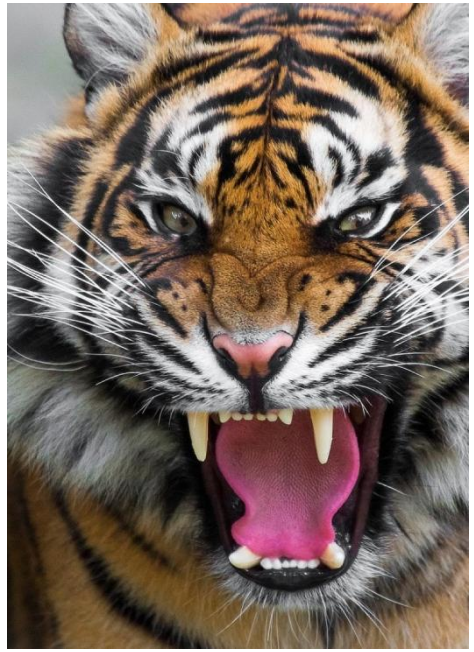
```
<script src="http://maps.google.com/maps?file=api&amp;v=3&amp;key=[redacted]"></script>
<script>
var map = null;
var geocoder = null;

function initialize() {
  if (GBrowserIsCompatible()) {
    map = new GMap2(document.getElementById("map_canvas"));
    map.setCenter(new GLatLng(47.6097, -122.3331), 13);
    geocoder = new GClientGeocoder();
  }
}

function showAddress(address) {
  if (geocoder) {
    geocoder.getLatLng(
      address,
      function(point) {
        if (!point) {
          alert(address + " not found");
        } else {
          map.setCenter(point, 13);
          var marker = new GMarker(point);
          map.addOverlay(marker);
          marker.openInfoWindowHtml(address);
        }
      }
    );
  }
}
</script>
```

Forms PL/SQL

```
Declare
  v_address varchar2(32767);

Begin

  -- Build address string for Google
  v_address := :ctrl.address|| ' ' ||:ctrl.t_city||' '||:ctrl.t_state||' '||:ctrl.t_zip;
  -- Pass address info to Java Script function in web page
  web.javascript_eval_expr('parent.showAddress('''||v_address||''');');

End;
```

https://developers.google.com/maps/documentation/javascript

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |



"Your application is your creation. Don't blame the tools if your application looks and feels outdated.

Make your application roar again. Upgrade and update today!"

Michael Ferrante, Principal Product Manager, Oracle Corp.

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Oracle Forms

What's next – A sneak peak into the future

Features being reviewed for future releases:

- Forms Builder productivity improvements
- New applet parameters
- New and improved security features
- New and improved JVM Controller features
- Record manager performance improvements that will reduce memory usage
- New system events
- Improved SSO integration
- Improved diagnostic features
- New client deployment options
- New installation options
- Many more still under review, including some possible Oracle Cloud options

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Contact Information

Stay in touch with the Oracle Forms family

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Oracle Forms

Stay in touch with the family

Oracle Forms on the Oracle Technology Network

http://www.oracle.com/technetwork/developer-tools/forms

Oracle Technology Network Forms Forum

https://community.oracle.com/community/development_tools/forms

Oracle Communities (My-Oracle-Support)

https://community.oracle.com/community/support/middleware/oracle_forms

Follow us on Twitter

@OracleFormsPM

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

Hardware and Software
Engineered to Work Together

Copyright © 2015, Oracle and/or its affiliates. All rights reserved. |

ORACLE®