

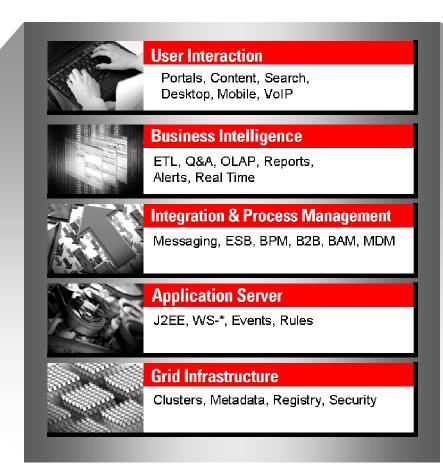
ORACLE

JDeveloper Treasure Hunt

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Oracle Fusion Middleware





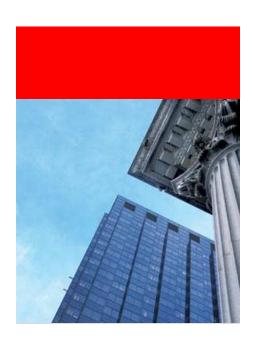




Agenda

Did you know that in JDeveloper you can....





Afraid of the mouse?



JDeveloper Keyboard Shortcuts

Navigation

Go To Java Class CTRL-Minus
Go To Recent File CTRL-Equals
Go To Next Member ALT-Down
Go To Previous Member ALT-Up
Back Alt-Left
Forward Alt-Right
Go To Last Edit CTRL+Shift-Backspace

Editing

Completion Insight CTRL-Space Smart Insight CTRL+ALT-Space Parameter Insight CTRL+Shift-Space Compete Statement CTRL+Shift-Enter Expand Template Ctrl-Enter Toggle Line Comments Ctrl-Slash

Refactoring

Rename CTRL+ALT-R

Move CTRL+ALT-M

Inline CTRL+ALT-N

Delete Safely Alt-Delete
Introduce Field CTRL+ALT-F

Introduce Variable CTRL+ALT-V

Introduce Parameter CTRL+ALT-P

Introduce Constant CTRL+ALT-C

Extract Method CTRL+ALT-X

Searching

Incremental Find Forward CTRL-E Incremental Find Backward Shift-E Highlight Text CTRL+ALT-H

Customize through preferences->accelerators

Some Other Useful Combinations

- Switch Tab Ctrl+Tab
- Go to declaration Ctrl+Mouse Click
- Go back/forward Alt+arrows
- Close tab Ctrl+W
- Paste Buffer Ctrl+Shift+V

Finding things

- Incremental search Ctrl+E and Ctrl+Shift+E
- Jump to Class Ctrl+-

The Power of Highlighting

```
public void foo(JButton p) throws FileNotFoundException
{
    p.addActionListener(this);
    FileInputStream fileInputStream = new FileInputStream(bar());
    try {
        fileInputStream.read();
    } catch (IOException e) {
        e.printStackTrace();
    }
}
```

Highlight the exception thrower

```
public void foo(JButton p) throws FileNotFoundException

{
    p.addActionListener(this);
    FileInputStream fileInputStream = new FileInputStream(bar());
    try {
        fileInputStream.read();
    } catch (IOException e) {
        e.printStackTrace();
    }
}
```

```
public String bar() {
    if (_button == null) {
        return "null";
    }

    return _button.getText();
}
```

Highlight the returns

The Power of Highlighting

```
import javax.swing.JButton;
import javax.swing.JComponent;

to public class Classl extends JComponent implements ActionListener {
    JButton _button;

    public void foo(JButton p) throws FileNotFoundException
    {
        p.addActionListener(this);
        FileInputStream fileInputStream = new FileInputStream(bar());
        try {
            fileInputStream.read();
        }
}
```

Highlight the object of type...

Highlight method call

```
FileInputStream fileInputStream = new FileInputStream(bar());
    try {
        fileInputStream.read();
    } catch (IOException e) {
        e.printStackTrace();
    }
}

public String bar() {
    if (_button == null) {
        return "null";
    }

return _button.getText();
}
```

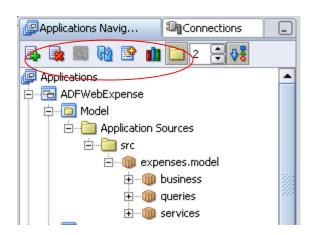
p.addaccionListener(this);

Windowing Tricks

- Maximize
- Collapse
- Float
- Split
- Freeze and duplicate
- Mouse wheel click

Application Navigator Tricks

- Toolbar buttons
- Quick file search
- From the code editor back to the navigator Alt+Home



The System Navigator

- More like the actual system
- Working Sets
- Right Click Options
 - New Java Class
 - New Interface

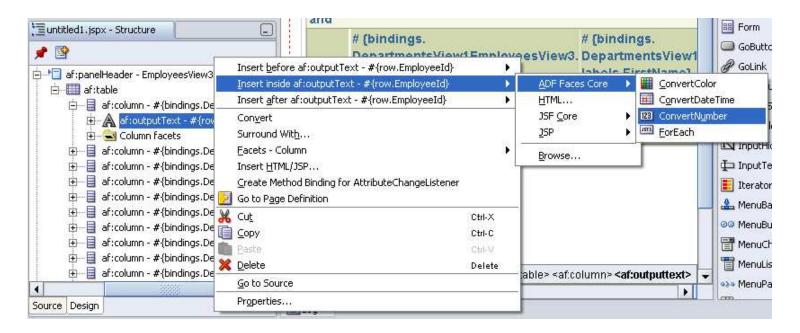


Faster Development for ADF/JSF

- Just drag a table to your JSF page
- ADF BC created for you

Structure Window – The Hidden Editor

- Not just for navigation
- More accurate than the visual editor
- Powerful context menu



Restore Deleted File

- Bring files back from the dead
 - No VCS needed
- Click project -> restore from local history

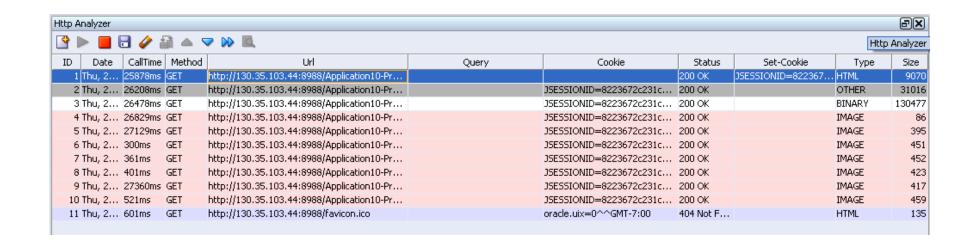
Run with Compile Errors

- New in 10.1.3.1
- Test code before it is production quality
- Project Properties->Run/Debug->Tools Settings

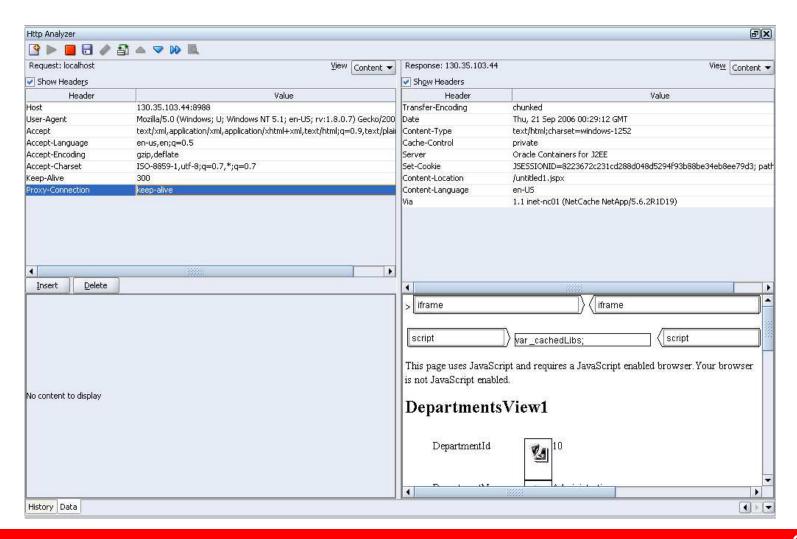
XML Code Insight

- Add code insight to any XML Schema driven XML file
- Preferences->XML Schemas
- Leverage XML Editing Framework in JDeveloper
 - Code insight
 - Property inspector
 - Component palette
 - Structure window

Monitor HTTP Transactions



See What is on the Wire

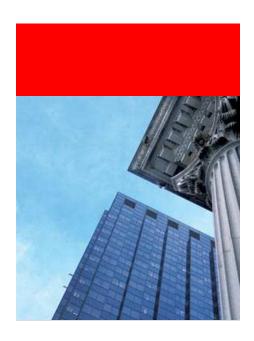




HTTP Monitor

- Make a note of your browser's proxy settings.
- In JDev bring up the http-analyzer preferences
- Check the Use HTTP Proxy Server box and enter your browser's proxy settings in the Host Name, Port Number and Exceptions fields.
- Go back to your browser and change the proxy host and port to be localhost:8099
- Select View->HTTP Analyzer
- Run your page

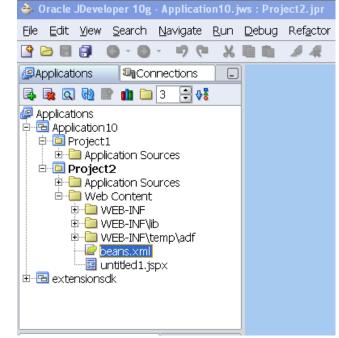


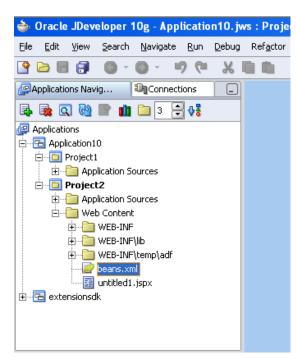


ide.properties

- Internal settings
- Font Size
- Memory Monitor
- Reopen Count







Dynamic Code Templates

- For frequently used code
- Preferences->code editor->code templates
- Add parameters
- Include imports
- Alt+enter to find out

```
Code Imports Variables

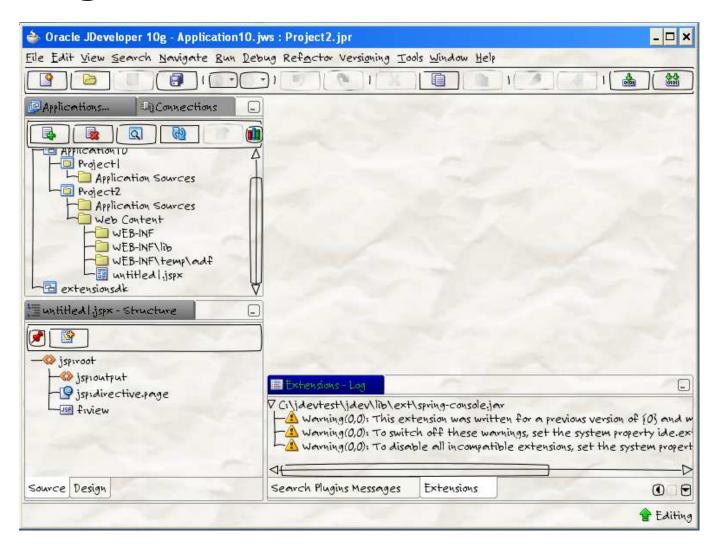
for (int $i$ = 0; $i$ < $array$.length; $i$++)
{
    $type$ $var$ = $array$[$i$];
    $end$
}</pre>
```

Code Imports Variables			
Name	Туре	Default Value	Editable
array	arrays	unknown	✓
i	smartIndex	xxxxx	✓
type	elementTypeOf(\$arr	Object	
var	suggestNameFromTy	var	✓

External Tools

- 3rd party integration without coding
- Add integration with other tools/utilities through command line
- And pass parameters from inside JDeveloper

Change look and feel



Change look and feel

- Get a Swing look and feel
- Place jar file in jdev/lib/ext
- Start JDeveloper :
 - jdev -J-Dswing.defaultlaf=<look and feel class name>
 - For example:
 - jdev -J-Dswing.defaultlaf
 =net.sourceforge.napkinlaf.NapkinLookAndFeel

Background image

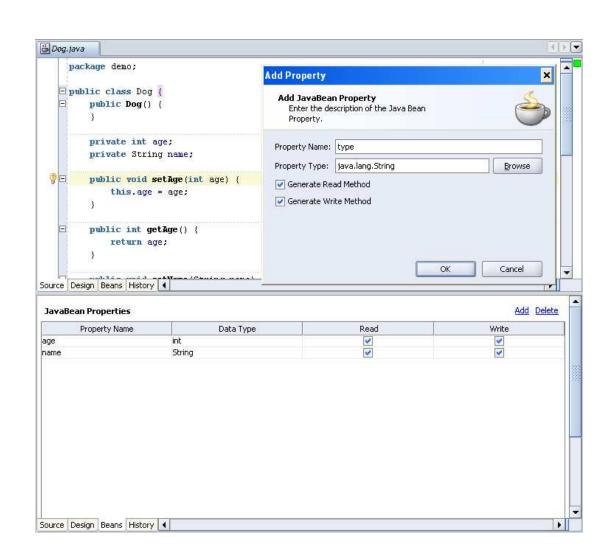
- Get the Substance look and feel
- Jdev\bin\jdev.conf
 - AddVMOption Dsubstancelaf.watermark=org.jvnet.substance.watermark
 rk.SubstanceImageWatermark
 - AddVMOption Dsubstancelaf.watermark.image=C:\shay\Shay_Shmeltze
 r3.jpg
 - AddVMOption -Dsubstancelaf.watermark.tobleed
 - AddVMOption -Dsubstancelaf.useDecorations
 - AddVMOption -Dsubstancelaf.heapStatusPanel
- More information
 - http://weblogs.java.net/blog/kirillcool/archive/2005/12/swinging_java_i.html





Simple JavaBean Editor

- If you work with POJOs
- Simple declarative interface



Code Coloring

- More coloring options
- Better distinction of your code components
- Easier readabliity

```
package projectl;

public class hello {
    public static String my_static = "static";
    public String my_var = "var";

private static String myMethod() {
        System.out.println("my method");
    }

public String doSomething() {
        System.out.println(this.myMethod());
        String b = "kk";
        int i;
}
```

```
package projectl;

public class hello {
 public hello() {
 public static String my_static = "static";
 public String my_var = "var";

private static String myMethod() {
 System.out.println("my method");
 }

public void doNothing() {
 }

public String doSomething() {
 System.out.println(this.myMethod());
 String b = "kk";
 int i;
 }

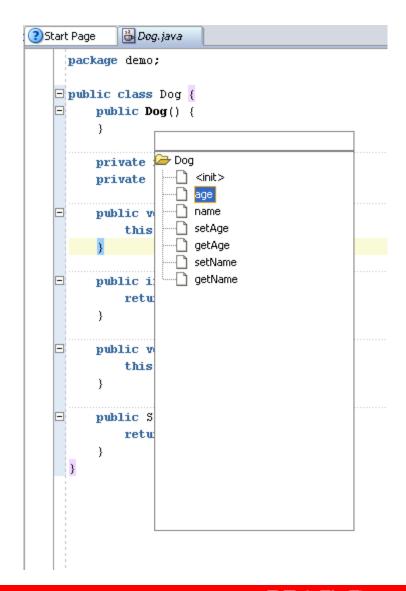
}
```

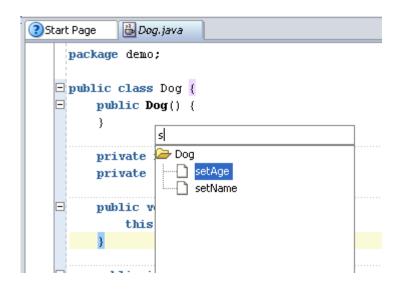
Quick Navigator

- Structure pane in the code editor
- Quickly jump around your code

```
Start Page
             👸 Dog. java
     package demo;
   □ public class Dog {
         public Dog() {
         private int age:
         private String name;
         public void setAge(int age) {
             this.age = age;
         public int getAge() {
             return age;
         public void setName(String name) {
             this.name = name;
         public String getName() {
             return name:
```

Ctrl+shift+T





Enter

```
package demo;

public class Dog {
   public Dog() {
    private int age;
   private String name;

public void setAge(int age) {
    this.age = age;
   }

public int getAge() {
    return age;
}
```

Code Highlighter

- Makes searching easier
- Color coding based on type
- Automatic highlighting

```
👸 Dog. java
     package demo;
   □ public class Dog {
         public Dog() {
         private int age;
         int j;
         private String name;
         public int getAge() {
             int j:
             for (int i = 0; i < 3; i++) {
                 j=i;
             return j;
             造 Dog. java
                   package demo;
                 □ public class Dog {
                       public Dog() {
                       private int age:
                       int ;
                       private String name;
                       public int getAge() {
                           int h:
                           for (int i = 0; i < 3; i++) {
                               j=i;
                           return j:
```

Search Plugin

- Quickly search from inside JDeveloper
- Uses Firefox search plugins
- Open results in browser
- Oracle search plugins
 - http://awads.net/wp/2005/08/01/ oracle-firefox-search-plugin/



More Extensions

- JDeveloper help->check for updates
- JDeveloper extension exchange
- Have something you miss?
- Build your own extension
 - JDeveloper Extension SDK Extension
 - Complete with samples and documentation





OTN

- Our interface to interact with you
- JDeveloper discussion forum
 - Basic posting tips:
 - Meaningful subject
 - Version and technologies used
 - What you did/test case
 - Other Forums: OC4J, TopLink, BPEL
- JDeveloper home page
 - Oracle.com/technology/jdev
 - Your entry point

OTN Structure

- Oracle.com/technology has a lot of info
- Google has most of it indexed
- Content broke down into:
 - Tutorials
 - Demos
 - How-Tos
 - Technical Papers
 - Sample Code
 - Documentation Online Help, ADF Developer Guide, Install/Release Notes
- All of them also have links to older material which might still be relevant

Blogs

- Many blogs about JDeveloper and ADF out there
- The good thing
 - More information is available
- The bad thing
 - It's hard to track it

Keep up-to-date

- JDeveloper RSS News Feed
 - Get notified when new things are available
- JDeveloper News Archive
 - One page for searching old things
- Java Newsletter
 - Highlights of the months resources
- www.orablogs.com / blogs.oracle.com
 - Track blogs

Learning More

- JDeveloper page on OTN
 - http://oracle.com/technology/jdev
- ADF Learning Center
 - Tutorial step by step
 - ADF Developer Guide in depth book for free
 - http://oracle.com/technology/products/adf/learnadf.html
- Question? JDeveloper Discussion Forum
- Oracle Developer at OOW-SF

For More Information

http://search.oracle.com

Q

or

http://www.oracle.com/

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