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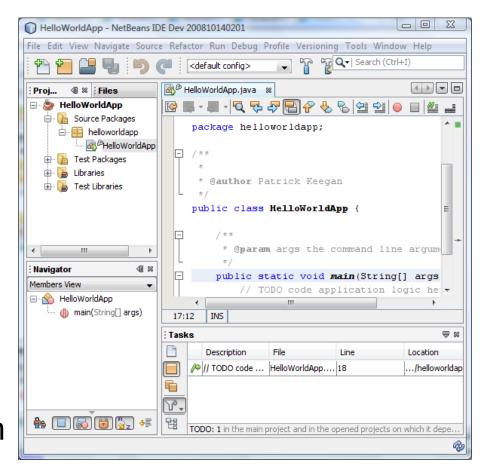
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NetBeans 7.0

Name Title 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.



- A comprehensive, modular IDE
 - Support for Java
 - Other languages too (PHP, C/C++, Groovy, etc.)
 - Intuitive workflow
 - Debugger, Profiler,
 Refactoring, etc.
 - Binaries for Solaris, Linux,
 Microsoft Windows,
 and Mac OS X
- Simply download and run on any OS with a JDK!





What applications can I create?

Build rich applications

- Web
- Desktop
- Mobile
- Enterprise

Using these languages

- Java
- PHP
- Groovy
- JavaScript
- C/C++

Community support for Python, Scala,

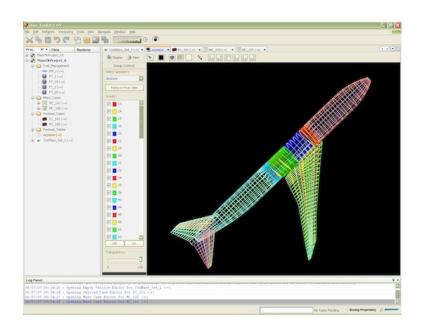
Ruby

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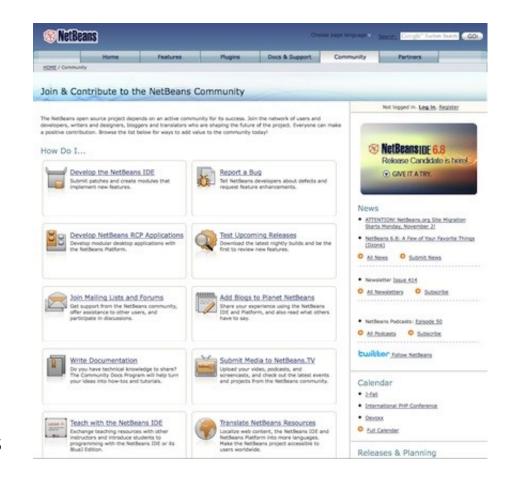
- A framework for building desktop applications
 - Modular architecture allows easy reuse
 - Rich framework of windows, dialogs, menus, tool bars







- A thriving open source community
 - Growing list of 3rd party modules (plug-ins)
 - Over 20 Million Downloads
 - Active blogging community: http://planetnetbeans.org
 - Available in many languages



Why use NetBeans?



Increase Development Productivity

- Works Out-of-the-Box
- Freely Available
- Open Source
- Support for Java standards and Platforms
- Extensible Java Desktop Framework
- Powerful & Award Winning GUI Builder
- Profiling & Debugging Tools
- Ant & Maven Based Projects
- Customizable Projects

New in NetBeans IDE 7.0



- Support for:
 - Proposed JDK 7 Language Enhancements
 - GlassFish 3.1
 - WebLogic
 - HTML 5
- PHP Enhancements
- Maven 3 supported and bundled
- New GridBagLayout Designer
- Git version control support (available on Update Center)
- And More



Strings in Switch. The String data type is available in

Switch statements.

```
5 📮
          public static void main(String[] args) {
 6
 7
              String color = "red";
              String colorRGB;
 8
      Convert to switch
 9
 Q.
              if (color.equals("black")) {
11
       Convert to switch over Strings
                                    red")) {
12
                  colorRGB = "ff00000":
13
14
              } else if (color.equals("green")) {
                  colorRGB = "008000";
15
              } else if (color.equals("blue")) {
16
                  colorRGB = "0000ff":
17
18
              } else {
                  colorRGB = "Invalid color";
19
20
21
              System. out.println(colorRGB);
24
```

```
5 🖯
          public static void main(String[] args) {
 6
              String color = "red";
              String colorRGB;
8
9
10
              switch (color) {
                  case "black":
11
                       colorRGB = "0000000";
12
                       break:
13
                  case "red":
14
                       colorRGB = "ff0000";
15
                       break:
16
17
                  case "green":
                       colorRGB = "008000";
18
                       break:
19
                  case "blue":
20
                       colorRGB = "0000ff";
21
                       break:
22
                  default:
                       colorRGB = "Invalid color":
24
25
                       break:
26
27
              System. out.println(colorRGB);
28
29
```



Diamond.

- More compact code
- More readable code
- Saves repeated type arguments.



 Try-with-resources. Correctly and robustly manage resources that otherwise need to be explicitly closed.

```
public static void main (String[] args) throws IOException {
20 🖃
     Convert to try-with-resources
21
<u>@</u>
              FileInputStream in = null;
23
      Convert to try-with-resources
24
                  in - new riseinputStream("foo.txt");
25
26
                  while ((k = in.read()) != -1) {
27
                      System. out. write (k);
28
              } catch (IOException ex) {
29
<u>Q.</u>
                  ex.printStackTrace();
             } finally {
31
                  if (in != null) {
32
                      in.close();
33
34
                                                  public static void main (String[] args) throws IOException {
                                       20 -
35
                                                      try (FileInputStream in = new FileInputStream("foo.txt")) {
                                       21
                                                            int k;
                                                           while ((k = in.read()) != -1) {
                                                                System. out. write (k);
                                       24
                                                      } catch (IOException ex) {
                                                           ex.printStackTrace();
                                       28
```



 Integer Literals & Underscores. Binary integer literals in addition to octal, decimal, and hexadecimal literals.



 Multicatch Variable Declaration. Join multiple catch statements into a single multicatch.

```
Can be replaced with multicatch

(Alt-Enter shows hints)

(Alt-Enter sh
```

```
try {
    throw new FileNotFoundException("adasdf");
} catch (FileNotFoundException | IOException fnfo) {

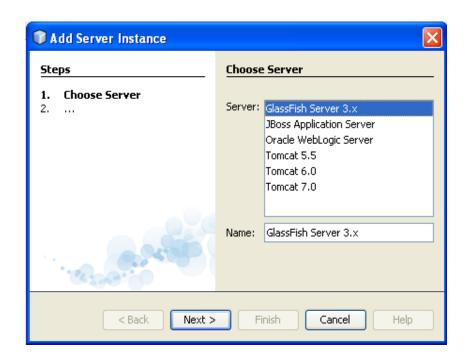
}

}
```

Support for GlassFish v 3.1



- Register latest
 GlassFish release
- Restart & debug remote instances
- View remote instance log files

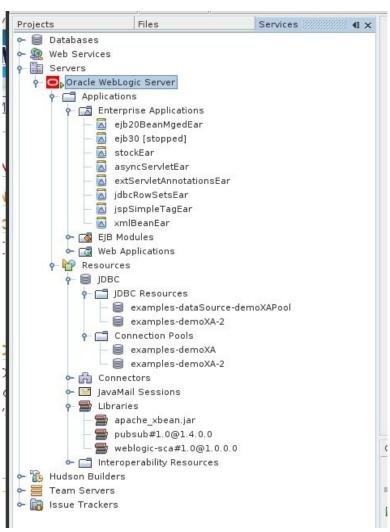


Enable/disable deployed applications

Support for Oracle WebLogic



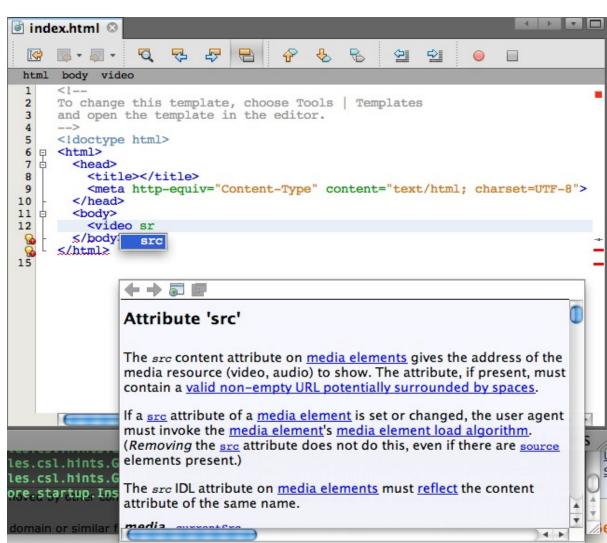
- Directory based deployment
- Deploy on save
- Brand new node displaying deployed apps
- JSF integration
- Datasource creation & deployment



New HTML 5 Editor



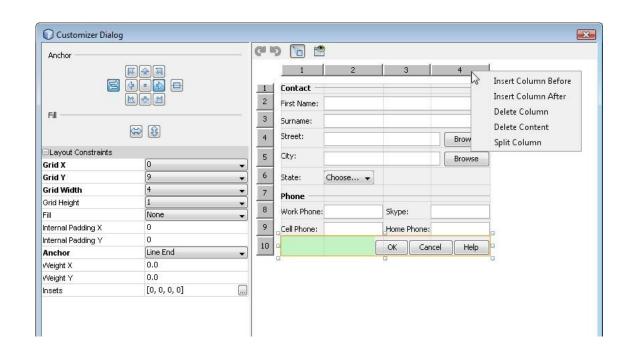
- Code completion
- Syntax coloring
- Validation
- Doc & Help



New GridBagLayout Designer



- Point-and-click realignment
- Drag-and-drop repositioning
- Smooth, easy, intuitive

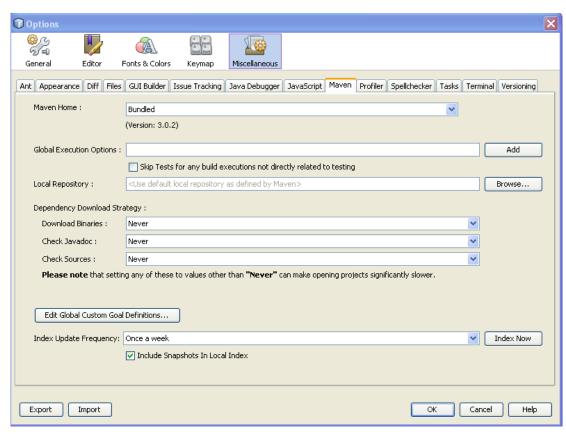


No need to know GridBagLayout anymore

Apache Maven 3



- Bundled support for latest Maven
- Built-in archetype support
- Export settings
- Many fixes, enhancements, and performance improvements



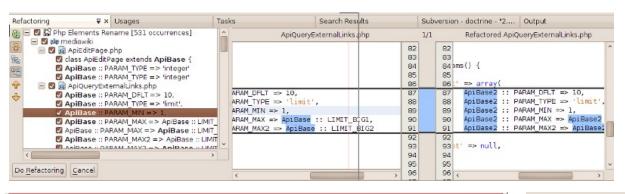
Git in Plugin Manager



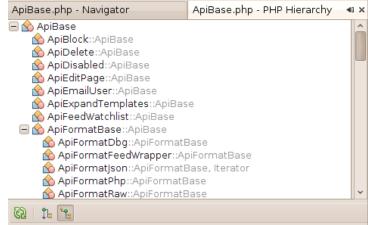
| Embedded Browser UI - X Base IDE Freeform Project Extras Java Gdbserver C/C++ Git Version Con GlassFish v1, v2.x Java Web a Groovy and Grails Groovy Groo | Reload Catalog Ins Name ▼ Category So Clearcase versioning Cobertura Module Test C Developing EJB and EAR Java Web a Embedded Browser UI - X Base IDE Freeform Project Extras Java Gdbserver C/C++ Git Community Contributed Plugin Version: 0.2.8 Author: Ondrej Vrabec |
|--|---|
|--|---|

PHP Editor Enhancements



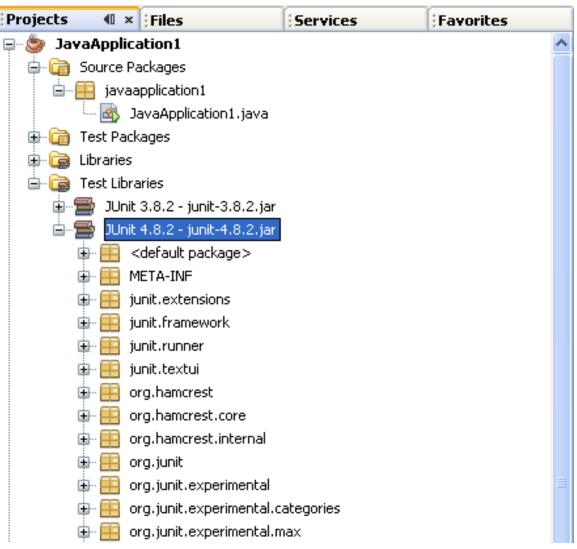






JUnit 4.8.2





Annotations for Simplified Registration in NetBeans Plugins



```
@ConvertAsProperties(dtd = "-//org.demo//Demo//EN",
autostore = false)
@TopComponent.Description(preferredID = "DemoTopComponent",
//iconBase="SET/PATH/TO/ICON/HERE",
persistenceType = TopComponent.PERSISTENCE ALWAYS)
@TopComponent.Registration(mode = "output", openAtStartup = true)
@ActionID(category = "Window", id = "org.demo.DemoTopComponent")
@ActionReference(path = "Menu/Window" /*, position = 333 */)
@TopComponent.OpenActionRegistration(displayName = "#CTL DemoAction",
preferredID = "DemoTopComponent")
public final class DemoTopComponent extends TopComponent {
    public DemoTopComponent() {
        initComponents();
        setName(NbBundle.getMessage(DemoTopComponent.class, "CTL DemoTopComponent"));
        setToolTipText(NbBundle.getMessage(DemoTopComponent.class, "HINT DemoTopComponent"));
```

Next Steps



- Download NetBeans IDE
- Create a user account
- Participate in the NetBeans community
 - Mailing lists
 - Forums
- Blog about NetBeans (share your experiences)
- Resources:
 - NetBeans product site: http://netbeans.org
 - NetBeans wiki: http://wiki.netbeans.org
 - NetBeans blog aggregation: http://planetnetbeans.org

Thank You!

SOFTWARE. HARDWARE. COMPLETE.

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