

Here are the two files for the eclipse working set generator.

## ***EclipseWorkingSetGenerator.java***

```
/*
 * Created on Mar 17, 2005
 *
 * TODO To change the template
 */
for
this generated file go to
 * Window - Preferences - Java - Code Style - Code Templates
 */

package com.knowlist.ant;

import java.io.FileWriter;
import java.io.IOException;
import java.io.PrintWriter;
import java.io.StringWriter;
import java.util.LinkedList;
import java.util.List;

import org.apache.tools.ant.BuildException;
import org.apache.tools.ant.Project;
import org.apache.tools.ant.Task;

/**
 * @author main
 *
 * TODO To change the template
 */
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this generated type comment go to
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 */

public class EclipseWorkingSetGenerator

extends Task
{

public void execute()

throws BuildException {
    Project proj = getProject();

    StringWriter sout =

new StringWriter();
    PrintWriter out =

new PrintWriter(sout);
    out.println("<?xml version=\"1.0\" encoding=\"UTF-8\"?>");
    out.println("<workingSetManager>");
    //    out.println("");
}
```

## Main - EclipseWorkingSetGenerator

```
for(EclipseWorkingSet workingSet : workingSets) {
    workingSet.outputWorkingSet(proj,out,workspaceRootPath);
}

//      <mruList name=\"Hibernate stuff\"/>
//      <mruList name=\"TEST\"/>

    out.println("</workingSetManager>");
    out.flush();

if(workingSetFile==
null || "".equals(workingSetFile)) {

System.out.println( sout.toString() );
}

else {

try {
        FileWriter fout =
new FileWriter(workingSetFile);
        fout.write( sout.toString() );
        fout.close();
    }

catch(IOException e) {

throw
new BuildException(e);
    }
}

public void setOutputFile(
String workingSetFile) {
this.workingSetFile=workingSetFile;}

public void setWorkspaceRootPath(
String workspaceRootPath) {

if(workspaceRootPath==
null) {

this.workspaceRootPath=
null;

return;
}
}
```

## Main - EclipseWorkingSetGenerator

```
        // replace all backslashes with forward slashes
        workspaceRootPath = workspaceRootPath.replace('\\','/');

//        // add trailing slash

if necessary.
//

if(!workspaceRootPath.endsWith("/"))
//        workspaceRootPath += "/";
//        // remove trailing slash

if necessary.

if(workspaceRootPath.endsWith("/"))
    workspaceRootPath = workspaceRootPath.substring(0,workspaceRootPath.length()-1);

this.workspaceRootPath=workspaceRootPath;
    }

public void addConfiguredWorkingset(EclipseWorkingSet workingSet) {
    workingSets.add(workingSet);
}

private

String workingSetFile;

private

String workspaceRootPath;

private List<EclipseWorkingSet> workingSets =

new LinkedList<EclipseWorkingSet>();
}
```

### ***EclipseWorkingSet.java***

```
/*
 * Created on Mar 17, 2005
 *
 * TODO To change the template
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this generated file go to
 * Window - Preferences - Java - Code Style - Code Templates
 */

package com.knowlist.ant;

import java.io.File;

import java.io.PrintWriter;

import java.util.LinkedList;
```

## Main - EclipseWorkingSetGenerator

```
import java.util.List;

import org.apache.tools.ant.BuildException;
import org.apache.tools.ant.DirectoryScanner;
import org.apache.tools.ant.Project;
import org.apache.tools.ant.types.FileSet;
import org.apache.tools.ant.types.Path.PathElement;

/**
 * @author main
 *
 * TODO To change the template
 */
for
this generated type comment go to Window - Preferences - Java - Code Style - Code Templates
*/

public class EclipseWorkingSet
//

extends Task
{

public void outputWorkingSet(Project proj, PrintWriter out,
String workspaceRootPath)

throws BuildException {
    assert workingSetName!=
null;

        out.print("<workingSet editPageId=\"org.eclipse.jdt.ui.JavaWorkingSetPage\" factoryID=\"org.eclipse.ui.inter

if(filesets.isEmpty()) {
    out.println(">");

return;
    }

else {
    out.println(">");
    }

for(FileSet fileset : filesets) {
    File dir = fileset.getDir(proj);
    DirectoryScanner directoryScanner = fileset.getDirectoryScanner(proj);

String[] includedFiles = directoryScanner.getIncludedFiles();

for(
String includedFile : includedFiles) {
//TODO: The path seperator should be checked

if it's right or left.
```

## Main - EclipseWorkingSetGenerator

```
String fullPath = dir.getAbsolutePath() + "/" + includedFile;
    fullPath = fullPath.replace('\\', '/');

if(fullPath.length() < workspaceRootPath.length() || !fullPath.substring(0,workspaceRootPath.length()).equals(workspaceRootPath))

throw

new BuildException("The path \"" + fullPath + "\" doesn't start with the project root path \"" + workspaceRootPath + "\".");

String projectRelativePath = fullPath.substring( workspaceRootPath.length() );

//

if(projectRelativePath.endsWith(".java")) {
//          // is java file
//          }

else {
//          // is resource file
//          out.print("<item");
//          out.print(" factoryID=\"org.eclipse.ui.internal.model.ResourceFactory\" path=\"");
//          out.print(projectRelativePath);
//          out.print("\n type=\"1\"/>");
//          out.println();
//          }

//          out.print("<item elementID=\"");
//          out.print("KnowList/src&lt;");
//          out.print("com.knowlist.list.edit{ShowUserPage.java");
//          out.println("\n factoryID=\"org.eclipse.jdt.ui.PersistableJavaElementFactory\"/>");
//          }
//          }

    out.println("</workingSet>");
}

public void setName(
String workingSetName) {
this.workingSetName=workingSetName;}

public void addConfiguredFileset(FileSet fileset) {
    filesets.add(fileset);
}

public void addConfiguredPathelement(PathElement pathElement) {
    pathElements.add(pathElement);
}

private
String workingSetName;

private List<FileSet> filesets =
new LinkedList<FileSet>();
```

## Main - EclipseWorkingSetGenerator

```
private List<PathElement> pathElements =
new LinkedList<PathElement>();

/*

<workingSet editPageId=\"org.eclipse.jdt.ui.JavaWorkingSetPage\" factoryID=\"org.eclipse.ui.internal.WorkingSetFactor
Object Page\">
<item elementID=\"=KnowList/src<com.knowlist.list.edit{ShowUserPage.java\" factoryID=\"org.eclipse.jdt.ui.Persista
<item elementID=\"=KnowList/src<com.knowlist.list.edit{ShowList.java\" factoryID=\"org.eclipse.jdt.ui.PersistableJ
<item elementID=\"=KnowList/src<com.knowlist.list.external\" factoryID=\"org.eclipse.jdt.ui.PersistableJavaElement
</workingSet>

<workingSet editPageId=\"org.eclipse.jdt.ui.JavaWorkingSetPage\" factoryID=\"org.eclipse.ui.internal.WorkingSetFa
<workingSet editPageId=\"org.eclipse.jdt.ui.JavaWorkingSetPage\" factoryID=\"org.eclipse.ui.internal.WorkingSetFa
<item elementID=\"=KnowForum\" factoryID=\"org.eclipse.jdt.ui.PersistableJavaElementFactory\"/>
</workingSet>
<workingSet editPageId=\"org.eclipse.jdt.ui.JavaWorkingSetPage\" factoryID=\"org.eclipse.ui.internal.WorkingSetFa
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Object Page\"/>
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*/
}
```