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import org.eclipse.releng.tools.AdvancedCopyrightComment

import org.eclipse.releng.tools.CopyrightComment

public class AdvancedCopyrightCommentTestsJunit4 {

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public void eclipseCopyrightComment() {

public void ibmCopyrightComment() {

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public void redHatCopyrightComment() {

Copyright (c) 2004, 2008, 2009, 2012 Red Hat, Inc. and others

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AdvancedCopyrightComment advComment = AdvancedCopyrightComment.parse(commentBlock,CopyrightComment.XMLCOMMENT)

String actual = advComment.getCopyrightComment()

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import org.eclipse.releng.tools.git.GitCopyrightAdapter

public class GitCopyrightAdapterTest extends LocalGitRepositoryTestData {

final GitCopyrightAdapter adapter = new GitCopyrightAdapter(

public void testCopyrightUpdateComment() throws Exception {

git.commit().setMessage(&quot

copyright update&quot

).call()

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import org.eclipse.releng.tools.preferences.RelEngCopyrightConstants

Tested in {@link org.eclipse.releng.tests.AdvancedCopyrightCommentTestsJunit4}&lt

br&gt

public class AdvancedCopyrightComment extends CopyrightComment {

public String getCopyrightComment() {

StringBuilder copyrightComment = new StringBuilder()

copyrightComment.append(preYearLinesString)

copyrightComment.append(fixedYearLine)

copyrightComment.append(yearLineString)

copyrightComment.append(postYearLineString)

return copyrightComment.toString()

@return {@link AdvancedCopyrightComment} an copyright comment with the year updated.

public static AdvancedCopyrightComment parse(BlockComment commentBock, int commentStyle) {

return new AdvancedCopyrightComment(commentStyle, createdYear, revisedYear, yearsOnLine,

preYearLines.toString(), yearLine, postYearLines.toString())

public static AdvancedCopyrightComment defaultComment(int commentStyle) {

return new AdvancedCopyrightComment(commentStyle, -1, -1, 1, , , )

private AdvancedCopyrightComment(int commentStyle, int creationYear, int revisionYear,

int yearsCount, String preYearComment, String middleYearsComment, String postYearComment) {

RelEngCopyrightConstants.CREATIONYEARKEY) : creationYear, revisionYear)

RelEngCopyrightConstants.COPYRIGHTTEMPLATEKEY), NEWLINE, true)

public class AdvancedFixCopyrightAction implements IObjectActionDelegate {

super(Messages.getString(&quot

AdvancedFixCopyrightAction.0&quot

), )

$NON-NLS-1$

public class FixCopyrightVisitor implements IResourceVisitor {

private final RepositoryProviderCopyrightAdapter adapter

WorkspaceJob wJob = new WorkspaceJob(Messages.getString(&quot

AdvancedFixCopyrightAction.1&quot

)) { $NON-NLS-1$

stream.println(Messages.getString(&quot

AdvancedFixCopyrightAction.2&quot

))

stream.println(NLS.bind(Messages.getString(&quot

AdvancedFixCopyrightAction.3&quot

), $NON-NLS-1$

subMonitor.beginTask(Messages.getString(&quot

AdvancedFixCopyrightAction.4&quot

), totalFileCount)

RepositoryProviderCopyrightAdapter adapter = createCopyrightAdapter(results)

.getBoolean(RelEngCopyrightConstants.USEDEFAULTREVISIONYEARKEY)) {

Messages.getString(&quot

AdvancedFixCopyrightAction.5&quot

), ))

NLS.bind(Messages.getString(&quot

AdvancedFixCopyrightAction.6&quot

), resource.getName()))

resource.accept(new FixCopyrightVisitor(adapter, subMonitor))

AdvancedFixCopyrightAction.7&quot

AdvancedFixCopyrightAction.8&quot

), Long.toString(end - start)))

AdvancedFixCopyrightAction.9&quot

AdvancedFixCopyrightAction.10&quot

protected RepositoryProviderCopyrightAdapter createCopyrightAdapter(IResource[] results) throws CoreException {

AdvancedFixCopyrightAction.11&quot

IRepositoryProviderCopyrightAdapterFactory factory = providerType

.getAdapter(IRepositoryProviderCopyrightAdapterFactory.class)

factory = (IRepositoryProviderCopyrightAdapterFactory) Platform.getAdapterManager()

.loadAdapter(providerType, IRepositoryProviderCopyrightAdapterFactory.class.getName())

AdvancedFixCopyrightAction.12&quot

), providerType.getID()), ))

File aFile = new File(Platform.getLocation().toFile(), &quot

copyrightLog.txt&quot

)

private void processFile(IFile file, RepositoryProviderCopyrightAdapter adapter, IProgressMonitor monitor) {

if (!checkMultipleCopyright(file, aSourceFile)) {

BlockComment copyrightComment = aSourceFile.getFirstCopyrightComment()

CopyrightComment ibmCopyright =

copyright comment

if (prefStore.getBoolean(RelEngCopyrightConstants.REPLACEALLEXISTINGKEY)) {

ibmCopyright = AdvancedCopyrightComment.defaultComment(aSourceFile.getFileType())

ibmCopyright = AdvancedCopyrightComment.parse(copyrightComment, aSourceFile.getFileType())

if (ibmCopyright == ) {

Check against a standard IBM copyright header.

ibmCopyright = IBMCopyrightComment.parse(copyrightComment, aSourceFile.getFileType())

if (ibmCopyright != ) {

warn(file, copyrightComment, Messages.getString(&quot

AdvancedFixCopyrightAction.15&quot

AdvancedFixCopyrightAction.16&quot

ibmCopyright.setLineDelimiter(aSourceFile.getLineDelimiter())

if (prefStore.getBoolean(RelEngCopyrightConstants.USEDEFAULTREVISIONYEARKEY) || adapter == )

lastMod = prefStore.getInt(RelEngCopyrightConstants.REVISIONYEARKEY)

AdvancedFixCopyrightAction.17&quot

), file.getFullPath()), e)

AdvancedFixCopyrightAction.18&quot

&amp

(!prefStore.getBoolean(RelEngCopyrightConstants.REPLACEALLEXISTINGKEY)))

ibmCopyright.setRevisionYear(lastMod)

if (copyrightComment == ) do this on files without comments

aSourceFile.insert(ibmCopyright.getCopyrightComment())

if (!copyrightComment.atTop() &amp

(aSourceFile.getFileType() != CopyrightComment.XMLCOMMENT)) {

AdvancedFixCopyrightAction.19&quot

aSourceFile.replace(copyrightComment, ibmCopyright.getCopyrightComment())

warn(file, , Messages.getString(&quot

AdvancedFixCopyrightAction.13&quot

AdvancedFixCopyrightAction.20&quot

Copyright preference store

if (aSourceFile.getFileType() == CopyrightComment.PROPERTIESCOMMENT

prefStore.getBoolean(RelEngCopyrightConstants.IGNOREPROPERTIESKEY)) {

if (aSourceFile.getFileType() == CopyrightComment.XMLCOMMENT

prefStore.getBoolean(RelEngCopyrightConstants.IGNOREXMLKEY)) {

private boolean checkMultipleCopyright(IFile file, SourceFile aSourceFile) {

AdvancedFixCopyrightAction.14&quot

Copyright (c) 2008, 2012 IBM Corporation and others.

public abstract class CopyrightComment {

protected CopyrightComment(int commentStyle, int creationYear, int revisionYear) {

public abstract String getCopyrightComment()

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import org.eclipse.releng.tools.RepositoryProviderCopyrightAdapter

public class GitCopyrightAdapter extends RepositoryProviderCopyrightAdapter {

private static String filterString = &quot

copyright&quot

lowercase $NON-NLS-1$

public GitCopyrightAdapter(IResource[] resources) {

Copyright (c) 2010, 2016 AGETO Service GmbH and others.

import org.eclipse.releng.tools.IRepositoryProviderCopyrightAdapterFactory

public class GitCopyrightAdapterFactory implements IAdapterFactory,

IRepositoryProviderCopyrightAdapterFactory {

if (IRepositoryProviderCopyrightAdapterFactory.class

return adapterType.cast(getGitCopyrightAdapter(adaptableObject))

private Object getGitCopyrightAdapter(Object adaptableObject) {

public RepositoryProviderCopyrightAdapter createAdapater(

return new GitCopyrightAdapter(resources)

Copyright (c) 2010, 2060 IBM Corporation and others.

public class IBMCopyrightComment extends CopyrightComment {

public static IBMCopyrightComment defaultComment(int commentStyle) {

return new IBMCopyrightComment(commentStyle, DEFAULTCREATIONYEAR, -1, , 0, 0, )

an IBM copyright comment.

public static IBMCopyrightComment parse(BlockComment comment, int commentStyle) {

final String copyrightLabel = &quot

Copyright (c) &quot

int start = body.indexOf(copyrightLabel)

int rangeStart = start + copyrightLabel.length()

return new IBMCopyrightComment(commentStyle, startYear, endYear, contributors, rangeStart, rangeEnd, body)

public String getOriginalCopyrightComment() {

writer.print(linePrefix + &quot

Copyright (c) &quot

+ getCreationYear())

public interface IRepositoryProviderCopyrightAdapterFactory {

public RepositoryProviderCopyrightAdapter createAdapater(IResource[] resources)

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Copyright tools preference page

public class CopyrightPreferencePage extends PreferencePage implements IWorkbenchPreferencePage {

private Label fCopyrightLabel

copyright template editor

fInstructions.setText(Messages.getString(&quot

CopyrightPreferencePage.0&quot

fCreationYearLabel.setText(Messages.getString(&quot

CopyrightPreferencePage.1&quot

fIgnoreProperties.setText(Messages.getString(&quot

CopyrightPreferencePage.4&quot

fIgnoreXml.setText(Messages.getString(&quot

CopyrightPreferencePage.9&quot

fCopyrightLabel = new Label(parent, SWT.NONE)

fCopyrightLabel.setText(Messages.getString(&quot

CopyrightPreferencePage.5&quot

fCopyrightLabel.setLayoutData(data)

fEditor.getDocument().set(store.getString(RelEngCopyrightConstants.COPYRIGHTTEMPLATEKEY))

fCreationYear.setText(store.getString(RelEngCopyrightConstants.CREATIONYEARKEY))

fIgnoreProperties.setSelection(store.getBoolean(RelEngCopyrightConstants.IGNOREPROPERTIESKEY))

fIgnoreXml.setSelection(store.getBoolean(RelEngCopyrightConstants.IGNOREXMLKEY))

String ERRORMESSAGE = Messages.getString(&quot

CopyrightPreferencePage.6&quot

fEditor.getDocument().set(store.getDefaultString(RelEngCopyrightConstants.COPYRIGHTTEMPLATEKEY))

fCreationYear.setText(store.getDefaultString(RelEngCopyrightConstants.CREATIONYEARKEY))

fIgnoreProperties.setSelection(getPreferenceStore().getDefaultBoolean(RelEngCopyrightConstants.IGNOREPROPERTIESKEY))

fIgnoreXml.setSelection(getPreferenceStore().getDefaultBoolean(RelEngCopyrightConstants.IGNOREXMLKEY))

store.setValue(RelEngCopyrightConstants.COPYRIGHTTEMPLATEKEY, fixupLineDelimiters(fEditor.getDocument()))

store.setValue(RelEngCopyrightConstants.CREATIONYEARKEY, fCreationYear.getText())

store.setValue(RelEngCopyrightConstants.REVISIONYEARKEY, fRevisionYear.getText())

store.setValue(RelEngCopyrightConstants.USEDEFAULTREVISIONYEARKEY, fUseDefaultRevisionYear.getSelection())

store.setValue(RelEngCopyrightConstants.REPLACEALLEXISTINGKEY, fReplaceAllExisting.getSelection())

store.setValue(RelEngCopyrightConstants.FIXUPEXISTINGKEY, fFixExisting.getSelection())

store.setValue(RelEngCopyrightConstants.IGNOREPROPERTIESKEY, fIgnoreProperties.getSelection())

store.setValue(RelEngCopyrightConstants.IGNOREXMLKEY, fIgnoreXml.getSelection())

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public class RelEngCopyrightConstants {

public final static String COPYRIGHTTEMPLATEKEY = &quot

org.eclipse.releng.tools.copyrightTemplate&quot

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public abstract class RepositoryProviderCopyrightAdapter {

public RepositoryProviderCopyrightAdapter(IResource[] resources) {

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import org.eclipse.equinox.p2.metadata.ICopyright

public class Copyright implements ICopyright {

be a summary for a copyright specified in a URL.

public Copyright(URI location, String body) {

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while (Character.isWhitespace(c) &amp

i &lt

length) {

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public class XMLCopyrightHandler implements LexicalHandler {

private String fCopyright =

public XMLCopyrightHandler(XMLDefaultHandler handler) {

if (fHandler != &amp

fCopyright == &amp

fHandler.fElementStack.isEmpty()) {

fCopyright = new String(ch, start, length)

public String getCopyright() {

return fCopyright

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http:www.example.com/copyright&quot

&gt

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public class CopyrightAnalyzer extends IUAnalyzer {

if (iu.getCopyright() == || iu.getCopyright().getBody().length() == 0) {

error(iu, &quot

[ERROR] &quot

+ iu.getId() + &quot

has no copyright&quot

if (iu.getCopyright() != &amp

iu.getCopyright().getBody().startsWith(&quot

%&quot

)) {

language for a copyright

String copyrightProperty = iu.getCopyright().getBody().substring(1)

if (iu.getProperty(&quot

dfLT.&quot

+ copyrightProperty) == )

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meta name=&quot

content=

title&gt

CopyrightTabPage.java&lt

/title&gt

package org.eclipse.jdt.ui.internal.copyrightupdater

public class CopyrightTabPage implements ICleanUpConfigurationUI {

public CopyrightTabPage() {

group.setText(&quot

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assertEquals(originalFeature.getCopyright(), actualFeature.getCopyright())

assertEquals(errorMessage + &quot

feature copyright corrupted&quot

, originalFeature.getCopyright(), actualFeature.getCopyright())

buffer.append(&quot

%copyright&lt

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String filename = (copyright.getLocation() != ) ? copyright.getLocation().getPath() :

label.setText(ProvUIMessages.IUCopyrightPropertyPageViewLinkLabel)

link.setText(NLS.bind(&quot

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, URIUtil.toUnencodedString(copyright.getLocation())))

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