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How to get the Skype plugin to work with Eclipse/ECF on Linux (Ubuntu)

Install Eclipse

```
root@MyGutsy:/home/ted# cd /opt/eclipse3.4RelBuildSkype/
root@MyGutsy:/opt/eclipse3.4RelBuildSkype# ls
eclipse-SDK-3.4-linux-gtk.tar.gz
root@MyGutsy:/opt/eclipse3.4RelBuildSkype# gunzip eclipse-SDK-3.4-linux-gtk.tar.gz
root@MyGutsy:/opt/eclipse3.4RelBuildSkype# tar xvf eclipse-SDK-3.4-linux-gtk.tar
```

Create a launcher. The executable is

```
/opt/eclipse3.4RelBuildSkype/eclipse/eclipse
-vm /opt/sunjava6_u3/jdk1.6.0_03/jre/lib/i386/client/libjvm.so
```

I chose to specify the vm. The icon for the launcher is in the following directory (you have several to choose from).

```
/opt/eclipse3.4RelSkype /eclipse/plugins/org.eclipse.sdk_3.4.0.v200806172000
```

Add the following repository locations:

```
Connection type: pserver
User: anonymous
Host: ecfl.osuosl.org
Repository path: /ecf
```

```
Connection type: pserver
User: anonymous
Host: cvs.sourceforge.jp
Repository path: /cvsroot/skype
```

```
Connection type: pserver
User: anonymous
Host: dev.eclipse.org
Repository path: /cvsroot/technology
```

Install ECF

The ECF update location is <http://download.eclipse.org/technology/ecf/2.0/3.4/updateSite/site.xml> .

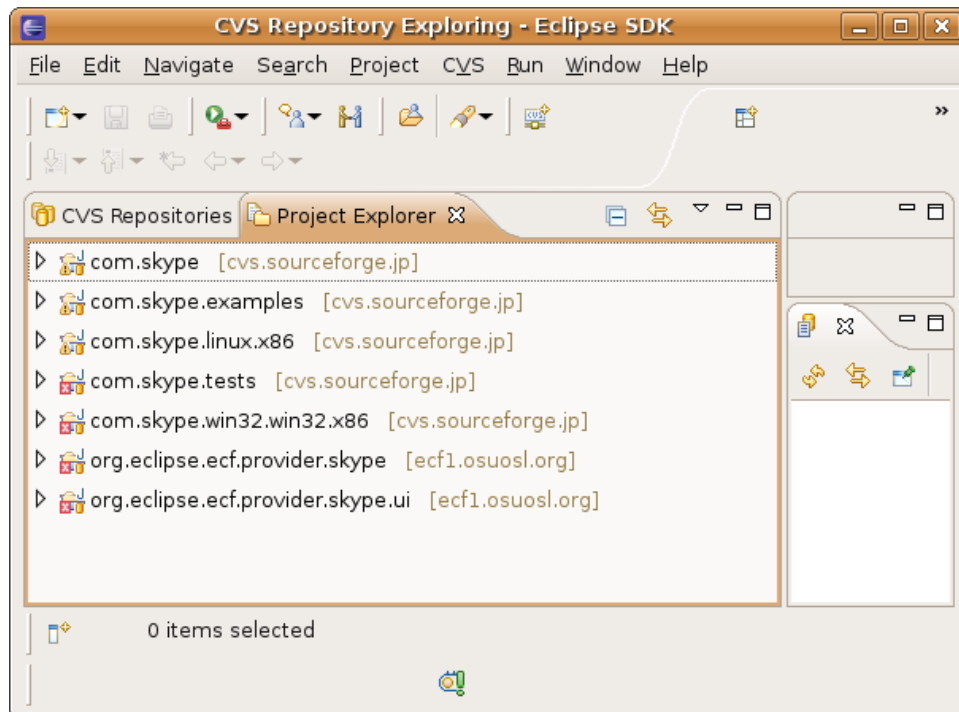
Checkout `com.skype`, `com.skype.examples`, `com.skype.linux.x86`, `com.skype.tests`, and `com.skype.win32.win32.x86` from `cvs.sourceforge.jp`.

Checkout `org.eclipse.ecf.provider.skype` and `org.eclipse.ecf.provider.skype.ui` from `ecf1.osuosl.org`.

I get a couple of errors.

An error occurred while automatically activating bundle `org.eclipse.ecf.provider.jslp` (203).
An error occurred while automatically activating bundle `ch.ethz.iks.slp` (170).

Close Eclipse and restart. I don't see errors this time. Curious.



Build the Skype plugin

Open up the Plugin Development perspective.

File -> Export -> Plugin Development -> Deployable Plugins and Fragments

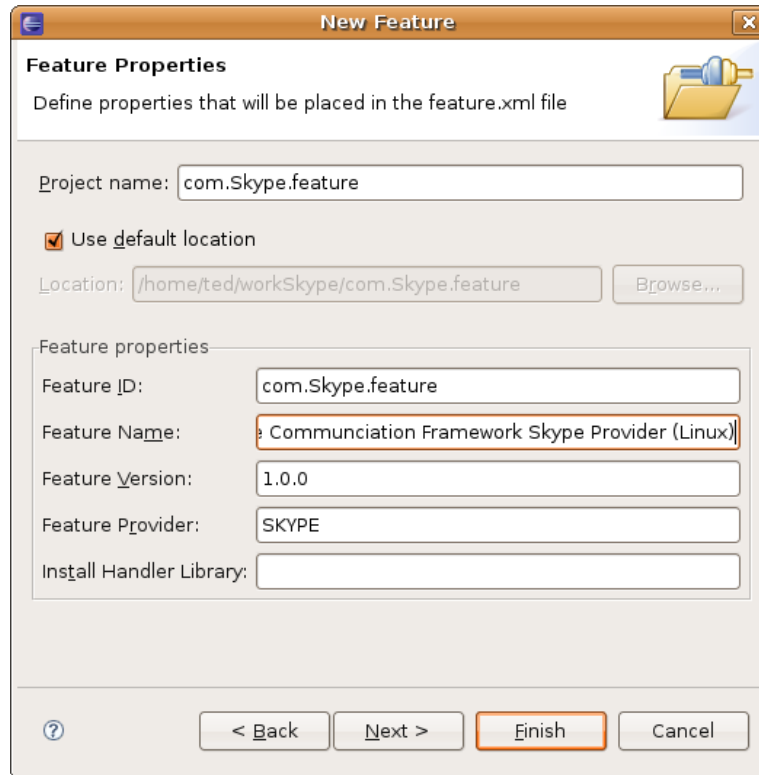
Choose the plugins `com.skype`, `com.skype.linux.x86`, `org.eclipse.ecf.provider.skype`, and `org.eclipse.ecf.provider.skype`. Chose to put the plugins in `/home/ted/SkypeFiles/SkypePlugins`. Click Finish.

```
ted@MyGutsy:~/SkypeFiles/SkypePlugins$ ls
plugins
ted@MyGutsy:~/SkypeFiles/SkypePlugins$ ls -l plugins/
total 272
-rw-r--r-- 1 ted webmasters 142360 2008-07-16 10:49 com.skype_0.3.0.200807161749.jar
-rw-r--r-- 1 ted webmasters 22483 2008-07-16 10:49 com.skype.linux.x86_0.2.0.200807161749.jar
-rw-r--r-- 1 ted webmasters 67066 2008-07-16 10:50 org.eclipse.ecf.provider.skype_1.5.0.qualifier.jar
-rw-r--r-- 1 ted webmasters 30518 2008-07-16 10:50 org.eclipse.ecf.provider.skype.ui_1.4.0.qualifier.jar
```

ted@MyGutsy: ~/SkypeFiles/SkypePlugins\$

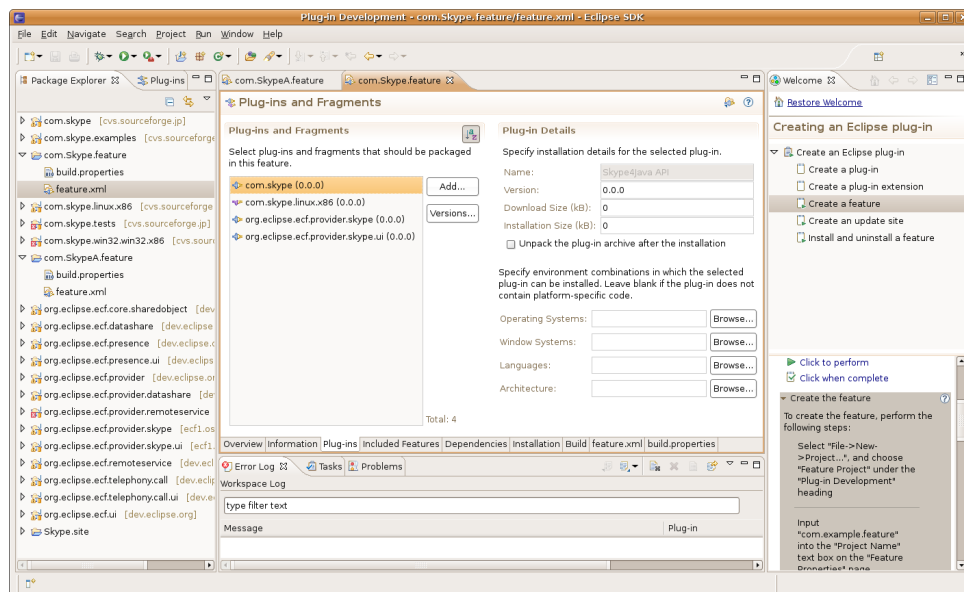
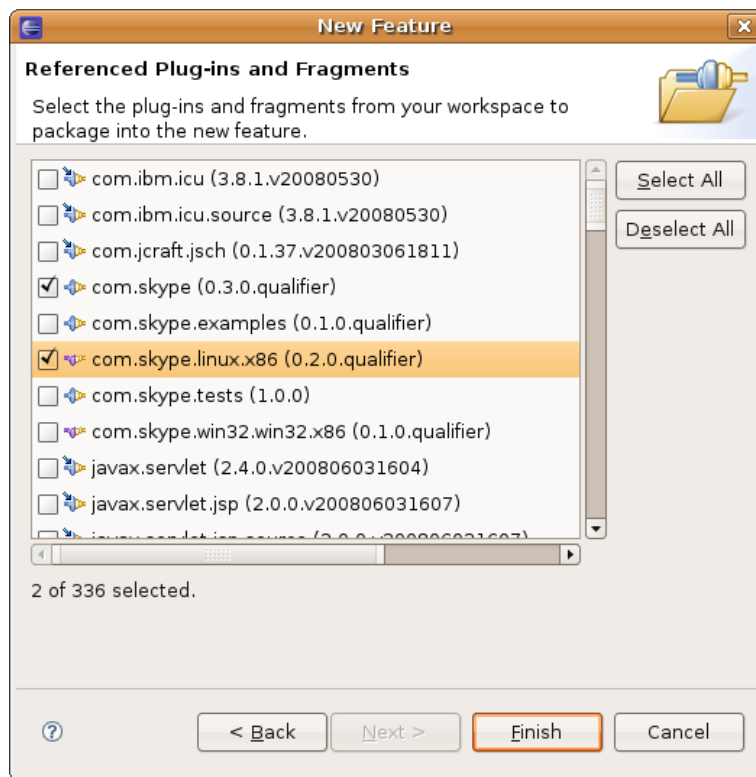
Create a Feature

Make a feature project. The project name is `com.Skype.feature`. The Feature Name is `Eclipse Communication Framework Skype Provider (Linux)`.



The screenshot shows the 'New Feature' dialog box in the Eclipse IDE. The title bar is 'New Feature'. The main section is 'Feature Properties' with the instruction 'Define properties that will be placed in the feature.xml file'. The 'Project name' field contains 'com.Skype.feature'. The 'Use default location' checkbox is checked. The 'Location' field shows '/home/ted/workSkype/com.Skype.feature'. The 'Feature properties' section includes: 'Feature ID' (com.Skype.feature), 'Feature Name' (Eclipse Communication Framework Skype Provider (Linux)), 'Feature Version' (1.0.0), 'Feature Provider' (SKYPE), and 'Install Handler Library' (empty). At the bottom are buttons for '?', '< Back', 'Next >', 'Finish' (highlighted with an orange border), and 'Cancel'.

Click next. Select the referenced plugins (the four plugins in the feature).



Click on the Information tab and add a feature description, a copyright notice, and a license agreement.

Create an Update Site Project

Make an Update Site project. I chose `SkypeA.site` because I already had a `Skype.site`. Click **Finish**.

New Update Site

Update Site Project
Create a new update site project

Project name:

☐ Use default location

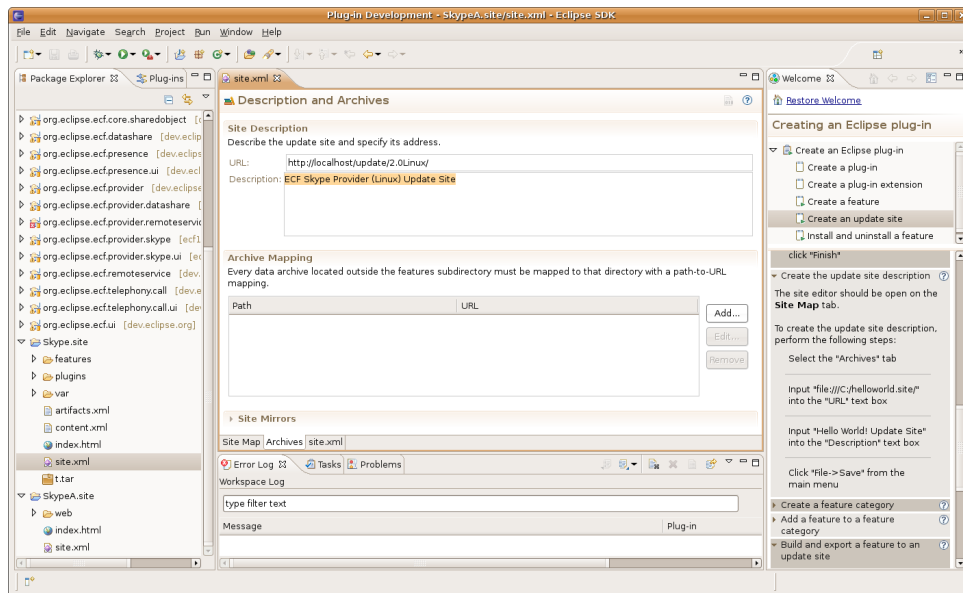
Location:

Web Resources

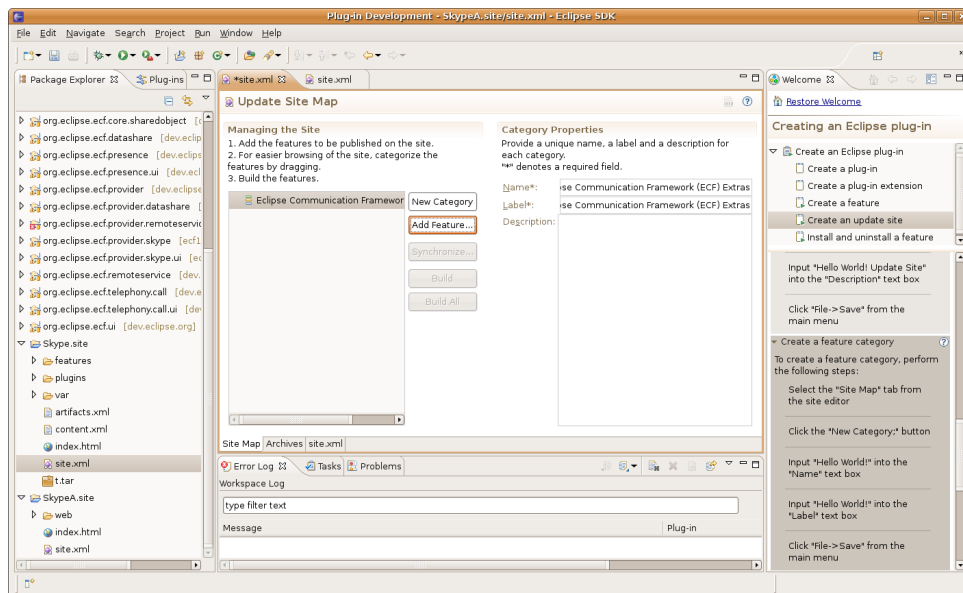
☒ Generate a web page listing all available features within the site

Web resources location:

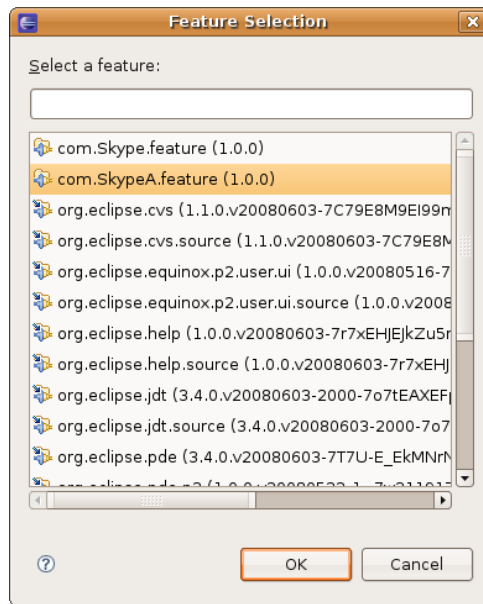
You then see the site editor. Choose the Archives tab and enter a URL and a description. The URL is not all that important at this point because typically we just copy all the update site files to an update server, and for Skype this is <http://ecf1/osuosl.org>



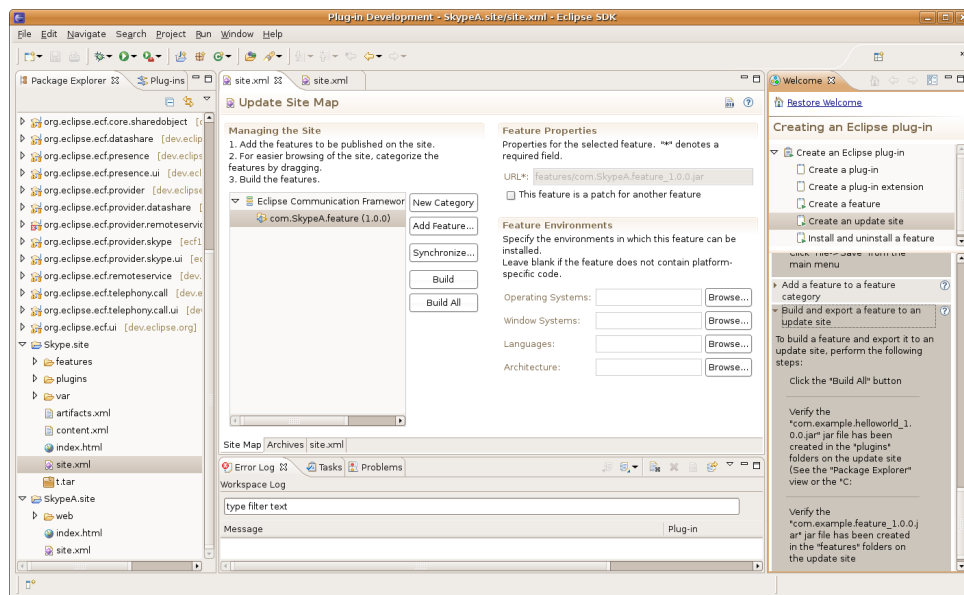
Click on Site Map. Create a new category and for name and label, put in Eclipse Communication Framework (EC) Extras.



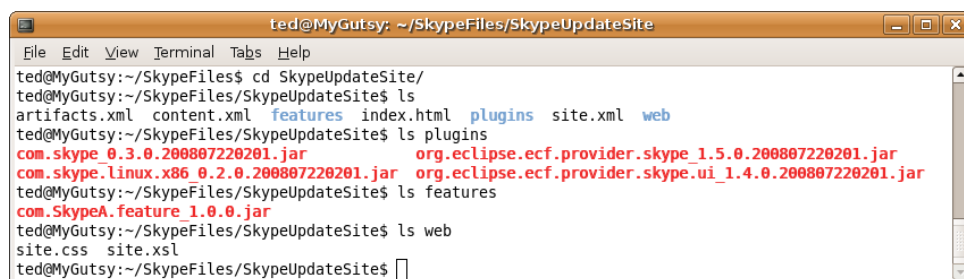
Then, click on Add Feature and select the feature you made previously.



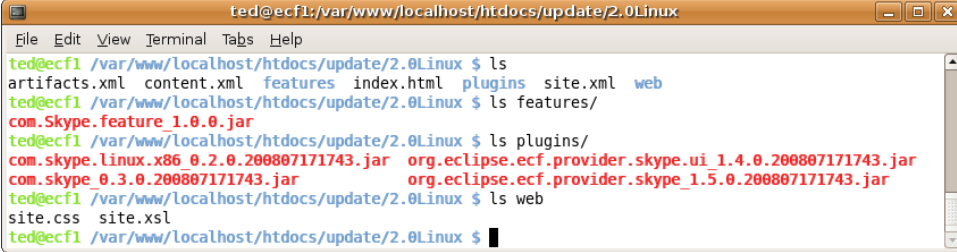
Then, save site.xml (File->Save). Then click Build All.



Here's what happened.



Copy all that stuff over to ecf1.

A terminal window titled 'ted@ecf1:/var/www/localhost/htdocs/update/2.0Linux' with a menu bar (File, Edit, View, Terminal, Tabs, Help). The terminal shows a series of 'ls' commands and their outputs. The first 'ls' command lists files in the current directory. Subsequent 'ls' commands are used to list the contents of 'features/' and 'plugins/' directories. The output for 'plugins/' shows several .jar files. The final 'ls' command lists files in the 'web' directory.

```
ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux $ ls
artifacts.xml content.xml features index.html plugins site.xml web
ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux $ ls features/
com.Skype.feature 1.0.0.jar
ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux $ ls plugins/
com.skype.linux.x86 0.2.0.200807171743.jar org.eclipse.ecf.provider.skype.ui 1.4.0.200807171743.jar
com.skype 0.3.0.200807171743.jar org.eclipse.ecf.provider.skype_1.5.0.200807171743.jar
ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux $ ls web
site.css site.xml
ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux $
```