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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

 $The ECF update location is \ \underline{http://download.eclipse.org/technology/ecf/2.0/3.4/updateSite/site.xml} \ .$

07/16/08

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 -1 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
```

Create a Feature

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

E	New Feature
Feature Properties	
Define properties that v	vill be placed in the feature.xml file
Project name: com.Sk	kype.feature
🗹 Use <u>d</u> efault location	ı
Location: /home/ted/w	vorkSkype/com.Skype.feature B <u>r</u> owse
Feature properties	
Feature <u>I</u> D:	com.Skype.feature
Feature Na <u>m</u> e:	Communciation Framework Skype Provider (Linux)
Feature <u>V</u> ersion:	1.0.0
Feature P <u>r</u> ovider:	SKYPE
Ins <u>t</u> all Handler Library:	
? <	Back Next > Einish Cancel

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



6	Plug-in Development - c	om. Skype. fea	ature/feature.xml - Ec	lipse SDK		
Eile Edit Navigate Search Project Bun	<u>Window</u> <u>H</u> elp					
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E 🔩 🔻	🕸 Plug-ins and Fragments				9 🏘	1 Restore Welcome
Com.skype [cvs.sourceforge.jp]	Plug-ins and Fragments	18_	Plug-in Details			Creating an Eclipse plug-in
com Skype examples [cvs.sourcerorge	Select plug-ins and fragments that should b	e packaged	Specify installation de	tails for the selected plug	-in.	▽ 🔍 Create an Eclipse plug-in
in build properties	in this feature.		Name:			Create a plug-in
S feature.xml	com.skype (0.0.0)	Add	Version:	0.0.0		Create a plug-in extension
Sigcom.skype.linux.x86 [cvs.sourceforge]	ve com.skype.linux.x86 (0.0.0)	Versions	Download Size (kB):	0		💭 Create a feature
b 🔂 com.skype.tests [cvs.sourceforge.jp]	org.eclipse.ecf.provider.skype (0.0.0)	veraioria	Installation Size (kB):	0		🕽 Create an update site
com.skype.win32.win32.x86 [cvs.source]	org.eclipse.ecf.provider.skype.ui (0.0.0)		🔲 Unpack the plug-i	n archive after the installa	tion] Install and uninstall a feature
				10 at 11 10 10		
B build.properties			plug-in can be installed	ombinations in which the J. Leave blank if the plug-i	selected n does not	
teature.xml			contain platform-speci	fic code.		
P Song eclipse ecf.core.sharedobject [dev			Operating Systems:		Browse	
b Starra eclipse ecforesence [deveclipse]			Window Systems:		Browse	
Signature in the second sec			L			Click to perform
> Storg.eclipse.ecf.provider [dev.eclipse.or			Languages:		Browse	Click when complete
▶ 😝 org.eclipse.ecf.provider.datashare [de			Architecture:		Browse	Create the feature (2)
▷ → org.eclipse.ecf.provider.remoteservice		Total: 4				To create the feature, perform the
Signature of the second sec		local, 4				following steps:
▷ 🙀 org.eclipse.ecf.provider.skype.ui [ecf1.	Overview Information Plug-ins Included Feat	ures Depender	ncies Installation Build fe	eature.xml build.properti	es -	Select "File->New-
Signature of the second sec	🕙 Error Log 🛿 🖉 Tasks 🔝 Problems			,8 8,- 🕞 х 🖻	😚 🗢 🗗	"Feature Project" under the
Signature of the second sec	Workspace Log					"Plug-in Development"
P 5 org.eclipse.ect.telephony.call.ui [dev.e-	type filter text					
P prog.eclipse.ect.ul [dev.eclipse.org]	Message			Plug-in		Input
v 🗁 okypetsite				ring in		"com.example.feature" into the "Project Name"
	4				D	text box on the "Feature
П*						
1						1

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: SkypeA.site
□ Use <u>d</u> efault location
Location: /home/ted/SkypeFiles/SkypeUpdateSite Browse
Web Resources
Web resources location: web
(?) < <u>Back</u> <u>Next</u> > <u>Finish</u> Cancel

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 <u>http://ecf1/osuosl.org</u>

G	Plug-in Development - SkypeA.site/site.xml - Eclipse SDK	
<u>File Edit Navigate Search Project Bun</u>	Window Help	
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⊟ 🔩 💆	Description and Archives	Restore Welcome
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🔛 t.tar	Workspace Log	Click "File-> Save" from the main menu
▶ ≥ web	type filter text	Create a feature category
index.html	Message Plug-in	category
i site.xml v		✓ Build and export a feature to an ⑦ update site
□		

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

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index.html Message Plug-in	 Sove and the second seco	Departe Site Map Managing the Site Add the features to be published on the site. Add the features to be published on the site. Add the features. Ellipse Communication Framewor Med Feature Build Duid All Duid All Ster Map [Archives] site.xml Verkspace Log Vype filter test	Category Properties Provide a unque name, a label and a description for ex-h category. "" denotes a required field. Jabel*: se Communication Framework (ECF) Extras Description: Category Properties Description: Category Properties Category Properties C	Bestore Welcome Creating an Eclipse plug-in Create a plug-in extension Create a plug-in extension Create a plug-in extension Create a plug-in extension Create a seture Install and uninstall a feature Install and uninstall a feature Create a feature category Create a feature category Create a feature category, perform the following steps: Select the "New Category," button Input "Hello World" into the "Name" text box Input "Hello World" into the "Label" text box

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

Feature Selection	×
Select a feature:	
🖗 com.Skype.feature (1.0.0)	
🖗 com.SkypeA.feature (1.0.0)	
🐌 org.eclipse.cvs (1.1.0.v20080603-7C79E8M9EI99n	
🖏 org.eclipse.cvs.source (1.1.0.v20080603-7C79E8N	
🖏 org.eclipse.equinox.p2.user.ui (1.0.0.v20080516-7	
vrg.eclipse.equinox.p2.user.ui.source (1.0.0.v2008	
🖏 org.eclipse.help (1.0.0.v20080603-7r7xEHJEJkZu5r	
🖏 org.eclipse.help.source (1.0.0.v20080603-7r7xEHJ	
🐌 org.eclipse.jdt (3.4.0.v20080603-2000-7o7tEAXEF	
🐌 org.eclipse.jdt.source (3.4.0.v20080603-2000-7o7	
🐌 org.eclipse.pde (3.4.0.v20080603-7T7U-E_EkMNrN	
	•

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

G	Plug-in Development - SkypeA.	site/site.xml - Eclipse SDK	_ = *
<u>File Edit N</u> avigate Se <u>a</u> rch <u>P</u> roject <u>B</u> un	<u>Window</u> <u>H</u> elp		
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🔋 Package Explorer 🛿 🂲 Plug-ins 🖱 🗖	🗟 site.xml 🕱 📓 site.xml	- 0	🚳 Welcome 🕱 👘 🗇 🔹 🗖 🗖
e 🕏 🔻	🗟 Update Site Map	?	Restore Welcome
Content and Content a	Update Site Map Managing the Site Add the factures to be published on the site. For casier browsing of the site, categorize the features by development of the site, categorize th	Peature Properties Properties for the selected feature. "er denotes a required field. URL*; features is a path for another feature This feature is a path for another feature Feature Environments in which this feature can be installed. Leave blank fithe feature does not contain platform- apendic code persting Systems: Operating Systems: Browse Architecture: Browse Architecture: Browse	Image: Second Secon
▷ ▷ web	Message	Plug-in	venty the "com.example.feature_1.0.0.j ar" jar file has been created in the "features" folders on
() SIGNATI			the update site
□ [•]			

Here's what happened.

ted@MyGutsy: ~/SkypeFiles/SkypeUpdateSite			<
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>T</u> erminal Ta <u>b</u> s <u>H</u> elp			
<pre>ted@MyGutsy:~/SkypeFiles\$ cd SkypeUpdateSite/ ted@MyGutsy:~/SkypeFiles/SkypeUpdateSite\$ ls artifacts.xml content.xml features index.html plugins site.xml web ted@MyGutsy:~/SkypeFiles/SkypeUpdateSite\$ ls plugins com.skype_0.3.0.200807220201.jar org.eclipse.ecf.provider.skype_1.5.0.200807220201.jar com.skype.linux.x86 0.2.0.200807220201.jar org.eclipse.ecf.provider.skype.ui_1.4.0.200807220201.jar ted@MyGutsy:~/SkypeFiles/SkypeUpdateSite\$ ls features com.skypeA.feature 1.0.0.jar</pre>	ja	r	•
ted@MyGutsy:~/SkypeFiles/SkypeUpdateSite\$ ls web site.css site.xsl			
ted@MyGutsy:~/SkypeFiles/SkypeUpdateSite\$			7

Copy all that stuff over to ecf1.

Ele Edit View Terminal Tabs Help ted@ecf1 /var/www/localhost/htdocs/update/2.0Linux \$ ls
ted@ecfl /var/www/localhost/htdocs/update/2.0Linux \$ ls
artifacts.xml content.xml features index.html plugins site.xml web ted@ecf1 /var/vww/localhost/htdocs/update/2.0Linux \$ ls features/ com.Skype.feature_1.0.0.jar ted@ecf1 /var/vww/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/vww/localhost/htdocs/update/2.0Linux \$ ls web site.css site.xsl