

new/src/gui/Makefile

1

```
*****
5687 Tue Dec 2 11:47:16 2008
new/src/gui/Makefile
*** NO COMMENTS ***
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
22 # Use is subject to license terms.
23 #

25 MACH:sh = uname -p

27 KSH=/usr/bin/ksh
28 PYTHON = /usr/bin/python
29 INSTALL = /usr/sbin/install

31 ROOT = ../../proto/root_${MACH}/usr
32 ROOTUSRLIB = $(ROOT)/lib
33 ROOTSHARE = $(ROOT)/share/package-manager
34 ROOTHELPSHARE = $(ROOT)/share/gnome/help/package-manager
35 ROOTDESKTOPSHARE = $(ROOT)/share/applications
36 ROOTDATASHARE = $(ROOTSHARE)/data
37 ROOTPYTHON = $(ROOTUSRLIB)/python2.4
38 ROOTPYTHONVENDOR = $(ROOTPYTHON)/vendor-packages
39 ROOTPYTHONPKG = $(ROOTPYTHONVENDOR)/pkg/gui
40 ROOTICONSHARE = $(ROOT)/share/icons/package-manager

42 ROOTDIRS = \
43   $(ROOTPYTHONPKG) \
44   $(ROOTSHARE) \
45   $(ROOTICONSHARE) \
46   $(ROOTDATASHARE) \
47   $(ROOTDESKTOPSHARE) \
48   $(ROOTHELPSHARE)

50 PYMODS = \
51   modules/__init__.py \
52   modules/imageinfo.py \
53   modules/installupdate.py \
54   modules/repository.py \
55   modules/enumerations.py \
56   modules/beadmin.py
57 PYCMODS = $(PYMODS:%.py=%.pyc)

59 ICONS = \
60   data/icons/status_checkmark.png \
61   data/icons/status_installed.png \
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new/src/gui/Makefile

2

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62   data/icons/status_newupdate.png

64 HELP_DIR:sh = echo help/*

66 HELP = \
67   package-manager.xml \
68   legal.xml

70 GLADEICONS = \
71   data/PM_app_48x.png \
72   data/PM_package_36x.png \
73   data/update_all24x.png \
74   data/remove24x.png \
75   data/reload24x.png \
76   data/install_update24x.png \
77   data/legend_installed.png \
78   data/legend_newupdate.png \
79   data/new_star_24x.png
80   data/install_update24x.png

81 CATALOG = \
82   data/opensolaris.org \
83   data/opensolaris.org.sections

85 DESKTOP = \
86   data/packagemanager.desktop \
87   data/addmoresoftware.desktop

89 ROOTPYMODS = $(PYMODS:modules/%=$(ROOTPYTHONPKG)/%)

91 ROOTICONS = $(ICONS:data/icons/%=$(ROOTICONSHARE)/%)

93 ROOTDESKTOP = $(DESKTOP:data/%=$(ROOTDESKTOPSHARE)/%)

95 ROOTCATALOG = $(CATALOG:data/%=$(ROOTDATASHARE)/%)

97 ROOTGLADEICONS = $(GLADEICONS:data/%=$(ROOTSHARE)/%)

99 ROOTHELP = $(HELP_DIR:help/%=$(ROOTHELPSHARE)/%)

101 ROOTPYGLADE = $(ROOTSHARE)/packagemanager.glade

103 ROOTPYCALLMODS = \
104   $(ROOTPYMODS:%.py=%.pyc)

106 ROOTCOMPONENTS = \
107   $(ROOTDIRS) \
108   $(ROOTPROGS) \
109   $(ROOTPYMODS) \
110   $(ROOTPYCALLMODS) \
111   $(ROOTCATALOG) \
112   $(ROOTPYGLADE) \
113   $(ROOTGLADEICONS) \
114   $(ROOTHELP) \
115   $(ROOTICONS) \
116   $(ROOTDESKTOP) \

118 all := TARGET = all
119 install := TARGET = install
120 clean := TARGET = clean
121 clobber := TARGET = clobber
122 link := TARGET = link
123 link-clean := TARGET = link-clean

125 all: data/packagemanager.desktop data/addmoresoftware.desktop
```

new/src/gui/Makefile

3

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127 install: all $(ROOTCOMPONENTS)

129 clean clobber:
130     rm -f $(PYCMODS)
131     rm -f $(DESKTOP)
132     rm -f ../po/.intltool-merge-cache
133
134 modules/%.pyc: modules/%.py
135     python -m compileall -l $(@D)

137 data/packagemanager.desktop: data/packagemanager.desktop.in
138     cd data; pwd; \
139     LC_ALL=C intltool-merge -d -u -c ../po/.intltool-merge-cache ../

141 data/addmoresoftware.desktop: data/addmoresoftware.desktop.in
142     cd data; pwd; \
143     LC_ALL=C intltool-merge -d -u -c ../po/.intltool-merge-cache ../

145 PWD:sh = pwd

147 #This will not link l10n files
148 link:
149     mkdir -p /usr/share/lib/package-manager/data
150     ln -sf $(PWD)/../packagemanager.py /usr/bin/packagemanager
151     ln -sf $(PWD)/data/packagemanager.glade /usr/share/package-manager/packa
152     ln -sf $(PWD)/data/opensolaris.org /usr/share/package-manager/data/opens
153     ln -sf $(PWD)/data/opensolaris.org.sections /usr/share/package-manager/d
154     ln -sf $(PWD)/data/packagemanager.desktop /usr/share/applications/packag
155     ln -sf $(PWD)/data/addmoresoftware.desktop /usr/share/applications/addmo
156     ln -sf $(PWD)/data/icons /usr/share/icons/package-manager
157     ln -sf $(PWD)/modules /usr/lib/python2.4/vendor-packages/pkg/gui

159 link-clean:
160     rm -rf /usr/share/lib/package-manager
161     rm -rf /usr/lib/python2.4/vendor-packages/pkg/gui
162     rm -f /usr/share/applications/packagemanager.desktop
163     rm -f /usr/share/applications/addmoresoftware.desktop
164     rm -f /usr/bin/packagemanager

166 proto: $(ROOT)

168 $(ROOTDIRS):
169     mkdir -m 0755 -p $@

171 help/%%.mo: help/%%.po
172     msgfmt -o $@ $<

174 help/%%/package-manager.xml: help/%%.mo
175     xml2po -t $< -o $@ $@.in

177 $(ROOTHELPSHARE)/%: help/%%/package-manager.xml
178     rm -rf $@
179     $(INSTALL) -d -m 0755 $@
180     $(INSTALL) -f $@ -m 0644 $<
181     $(INSTALL) -f $@ -m 0644 $(<D)/legal.xml
182     $(INSTALL) -d -m 0755 $@/figures
183     $(INSTALL) -f $@/figures -m 0644 $(<D)/figures/package_manager.png
184     $(INSTALL) -f $@/figures -m 0644 $(<D)/figures/update_all.png

186 $(ROOTDATASHARE)/%: data/%
187     rm -f $@; $(INSTALL) -f $(ROOTDATASHARE) -m 0644 $<

189 $(ROOTPYTHONPKG)/%: modules/%
190     rm -f $@; $(INSTALL) -f $(ROOTPYTHONPKG) -m 0644 $<

192 $(ROOTICONSHARE)/%: data/icons/%

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new/src/gui/Makefile

4

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193     rm -f $@; $(INSTALL) -f $(ROOTICONSHARE) -m 0644 $<

195 $(ROOTDESKTOPSHARE)/%: data/%
196     rm -f $@; $(INSTALL) -f $(ROOTDESKTOPSHARE) -m 0644 $<

198 $(ROOTSHARE)/%: data/%
199     rm -f $@; $(INSTALL) -f $(ROOTSHARE) -m 0644 $<

```

new/src/gui/data/legend_installed.png

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```
*****  
    3117 Tue Dec  2 11:47:19 2008  
new/src/gui/data/legend_installed.png  
*** NO COMMENTS ***  
*****  
_____unchanged_portion_omitted_
```

new/src/gui/data/legend_newupdate.png

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```
*****  
      602 Tue Dec  2 11:47:20 2008  
new/src/gui/data/legend_newupdate.png  
*** NO COMMENTS ***  
*****  
_____unchanged_portion_omitted_
```

new/src/gui/data/new_star_24x.png

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```
*****  
1247 Tue Dec 2 11:47:21 2008  
new/src/gui/data/new_star_24x.png  
*** NO COMMENTS ***  
*****  
_____unchanged_portion_omitted_
```

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*****
179378 Tue Dec  2 11:47:22 2008
new/src/gui/data/packagemanager.glade
*** NO COMMENTS ***
*****
1 <?xml version="1.0" encoding="UTF-8" standalone="no"?>
2 <!DOCTYPE glade-interface SYSTEM "glade-2.0.dtd">
3 <!--Generated with glade3 3.4.5 on Mon Dec  1 17:25:26 2008 -->
3 <!--Generated with glade3 3.4.5 on Sat Oct 18 05:39:30 2008 -->
4 <glade-interface>
5   <widget class="GtkWindow" id="mainwindow">
6     <property name="width_request">800</property>
7     <property name="height_request">650</property>
8     #endif /* ! codereview */
9     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
10    <property name="title" translatable="yes">Package Manager</property>
11    <property name="window_position">GTK_WIN_POS_CENTER</property>
12    <property name="default_width">750</property>
13    <property name="default_height">615</property>
14    <property name="icon">PM_app_48x.png</property>
15    <signal name="delete_event" handler="on_mainwindow_delete_event"/>
16  </child>
17    <widget class="GtkVBox" id="vbox1">
18      <property name="visible">True</property>
19      <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
20    </child>
21      <widget class="GtkMenuBar" id="menubar1">
22        <property name="visible">True</property>
23        <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
24      </child>
25        <widget class="GtkMenuItem" id="file">
26          <property name="visible">True</property>
27          <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
28          <property name="label" translatable="yes">_File</property>
29          <property name="use_underline">True</property>
30        </child>
31          <widget class="GtkMenu" id="menu1">
32            <property name="visible">True</property>
33            <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
34          </child>
35            <widget class="GtkMenuItem" id="file_be">
36              <property name="visible">True</property>
37              <property name="tooltip" translatable="yes">Boot Environ
38              <property name="label" translatable="yes">Boot Environme
39              <property name="use_underline">True</property>
40              <signal name="activate" handler="on_file_be_activate"/>
41            </widget>
42          </child>
43          <child>
44            <widget class="GtkSeparatorMenuItem" id="separatormenuitem
45              <property name="visible">True</property>
46            </widget>
47          </child>
48          <child>
49            <widget class="GtkMenuItem" id="file_quit">
50              <property name="visible">True</property>
51              <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
52              <property name="tooltip" translatable="yes">Quit applica
53              <property name="label" translatable="yes">Quit</property>
54              <property name="use_underline">True</property>
55              <signal name="activate" handler="on_file_quit_activate"/
56            </widget>
57          </child>
58        </widget>
59      </child>
60    </widget>

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61   </child>
62   <child>
63     <widget class="GtkMenuItem" id="edit">
64       <property name="visible">True</property>
65       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
66       <property name="label" translatable="yes">_Edit</property>
67       <property name="use_underline">True</property>
68     </child>
69     <widget class="GtkMenu" id="menu2">
70       <property name="visible">True</property>
71       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
72     </child>
73       <widget class="GtkMenuItem" id="edit_cut">
74         <property name="visible">True</property>
75         <property name="sensitive">False</property>
76         <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
77         <property name="tooltip" translatable="yes">Cut action</
78         <property name="label" translatable="yes">Cut</property>
79         <property name="use_underline">True</property>
80         <signal name="activate" handler="on_edit_cut_activate"/>
81       </widget>
82     </child>
83     <child>
84       <widget class="GtkMenuItem" id="edit_copy">
85         <property name="visible">True</property>
86         <property name="sensitive">False</property>
87         <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
88         <property name="tooltip" translatable="yes">Copy</proper
89         <property name="label" translatable="yes">Copy</property>
90         <property name="use_underline">True</property>
91         <signal name="activate" handler="on_edit_copy_activate"/
92       </widget>
93     </child>
94     <child>
95       <widget class="GtkMenuItem" id="edit_paste">
96         <property name="visible">True</property>
97         <property name="sensitive">False</property>
98         <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
99         <property name="tooltip" translatable="yes">Paste</prope
100        <property name="label" translatable="yes">Paste</propert
101        <property name="use_underline">True</property>
102        <signal name="activate" handler="on_edit_paste_activate"
103      </widget>
104    </child>
105    <child>
106      <widget class="GtkMenuItem" id="edit_clear">
107        <property name="visible">True</property>
108        <property name="sensitive">False</property>
109        <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
110        <property name="tooltip" translatable="yes">Clear</prope
111        <property name="label" translatable="yes">Clear</propert
112        <property name="use_underline">True</property>
113        <signal name="activate" handler="on_edit_clear_activate"
114      </widget>
115    </child>
116    <child>
117      <widget class="GtkSeparatorMenuItem" id="menuitem2">
118        <property name="visible">True</property>
119        <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
120      </widget>
121    </child>
122    <child>
123      <widget class="GtkMenuItem" id="edit_select_all">
124        <property name="visible">True</property>
125        <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
126        <property name="tooltip" translatable="yes">Select All I

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127     <property name="label" translatable="yes">Select All</pr
128     <property name="use_underline">True</property>
129     <signal name="activate" handler="on_edit_select_all_acti
130   </widget>
131 </child>
132 <child>
133   <widget class="GtkMenuItem" id="edit_select_updates">
134     <property name="visible">True</property>
135     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
136     <property name="tooltip" translatable="yes">Select Updat
137     <property name="label" translatable="yes">Select Updates
138     <property name="use_underline">True</property>
139     <signal name="activate" handler="on_edit_select_updates_
140   </widget>
141 </child>
142 </child>
143   <widget class="GtkMenuItem" id="edit_deselect">
144     <property name="visible">True</property>
145     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
146     <property name="tooltip" translatable="yes">Deselect sel
147     <property name="label" translatable="yes">Deselect</prop
148     <property name="use_underline">True</property>
149     <signal name="activate" handler="on_edit_deselect_activa
150   </widget>
151 </child>
152 </widget>
153 </child>
154 </widget>
155 </child>
156 <child>
157   <widget class="GtkMenuItem" id="package">
158     <property name="visible">True</property>
159     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
160     <property name="label" translatable="yes">_Package</property>
161     <property name="use_underline">True</property>
162   <child>
163     <widget class="GtkMenu" id="menu6">
164       <property name="visible">True</property>
165       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
166     <child>
167       <widget class="GtkMenuItem" id="package_update_all">
168         <property name="visible">True</property>
169         <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
170         <property name="tooltip" translatable="yes">Update all p
171         <property name="label" translatable="yes">Update All</pr
172         <property name="use_underline">True</property>
173         <signal name="activate" handler="on_package_update_all_a
174       </widget>
175     </child>
176   <child>
177     <widget class="GtkSeparatorMenuItem" id="menuitem3">
178       <property name="visible">True</property>
179       <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
180     </widget>
181   </child>
182 </child>
183   <widget class="GtkMenuItem" id="package_install_update">
184     <property name="visible">True</property>
185     <property name="sensitive">False</property>
186     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
187     <property name="tooltip" translatable="yes">Install or U
188     <property name="label" translatable="yes">Install / Upda
189     <property name="use_underline">True</property>
190     <signal name="activate" handler="on_package_install_upda
191   </widget>
192 </child>

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193   <child>
194     <widget class="GtkMenuItem" id="package_remove">
195       <property name="visible">True</property>
196       <property name="sensitive">False</property>
197       <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
198       <property name="tooltip" translatable="yes">Remove selec
199       <property name="label" translatable="yes">Remove</proper
200       <property name="use_underline">True</property>
201       <signal name="activate" handler="on_package_remove_activ
202     </widget>
203   </child>
204 </widget>
205 </child>
206 </widget>
207 </child>
208 <child>
209   <widget class="GtkMenuItem" id="settings">
210     <property name="visible">True</property>
211     <property name="label" translatable="yes">_Settings</property>
212     <property name="use_underline">True</property>
213   <child>
214     <widget class="GtkMenu" id="menu4">
215       <property name="visible">True</property>
216     <child>
217       <widget class="GtkMenuItem" id="settings_edit_repositories
218         <property name="visible">True</property>
219         <property name="tooltip" translatable="yes">Manage Repos
220         <property name="label" translatable="yes">Manage Reposit
221         <property name="use_underline">True</property>
222         <signal name="activate" handler="on_settings_edit_reposi
223       </widget>
224     </child>
225   </widget>
226 </child>
227 </widget>
228 </child>
229 <child>
230   <widget class="GtkMenuItem" id="help">
231     <property name="visible">True</property>
232     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
233     <property name="label" translatable="yes">_Help</property>
234     <property name="use_underline">True</property>
235   <child>
236     <widget class="GtkMenu" id="menu3">
237       <property name="visible">True</property>
238       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
239     <child>
240       <widget class="GtkMenuItem" id="help_about">
241         <property name="visible">True</property>
242         <property name="tooltip" translatable="yes">About</prope
243         <property name="label" translatable="yes">About</propert
244         <property name="use_underline">True</property>
245         <signal name="activate" handler="on_help_about_activate"
246       </widget>
247     </child>
248   <child>
249     <widget class="GtkMenuItem" id="online_help">
250       <property name="visible">True</property>
251       <property name="tooltip" translatable="yes">Online Help<
252       <property name="label" translatable="yes">Online Help</p
253       <property name="use_underline">True</property>
254       <signal name="activate" handler="on_help_help_activate"/
255     </widget>
256   </child>
257 </widget>
258 </child>

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259     </widget>
260   </child>
261 </widget>
262 <packing>
263   <property name="expand">False</property>
264 </packing>
265 </child>
266 <child>
267   <widget class="GtkToolbar" id="actiontoolbar">
268     <property name="visible">True</property>
269     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
270     <property name="toolbar_style">GTK_TOOLBAR_BOTH</property>
271     <child>
272       <widget class="GtkToolButton" id="reloadbutton">
273         <property name="visible">True</property>
274         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
275         <property name="tooltip" translatable="yes">Click to get list of
276         <property name="label" translatable="yes">Reload</property>
277         <property name="icon">reload24x.png</property>
278         <signal name="clicked" handler="on_reload_button_clicked"/>
279       </widget>
280     <packing>
281       <property name="homogeneous">True</property>
282       <property name="expand">False</property>
283     </packing>
284   </child>
285 <child>
286   <widget class="GtkToolButton" id="update_all_button">
287     <property name="visible">True</property>
288     <property name="sensitive">False</property>
289     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
290     <property name="tooltip" translatable="yes">Click to update all
291     <property name="label" translatable="yes">Update All</property>
292     <property name="icon">update_all24x.png</property>
293     <signal name="clicked" handler="on_update_all_button_clicked"/>
294   </widget>
295 <packing>
296   <property name="homogeneous">True</property>
297   <property name="expand">False</property>
298 </packing>
299 </child>
300 <child>
301   <widget class="GtkToolButton" id="install_update_button">
302     <property name="visible">True</property>
303     <property name="sensitive">False</property>
304     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
305     <property name="tooltip" translatable="yes">Select packages by m
306     <property name="label" translatable="yes">Install/Update</proper
307     <property name="icon">install_update24x.png</property>
308     <signal name="clicked" handler="on_install_update_button_clicked
309   </widget>
310 <packing>
311   <property name="homogeneous">True</property>
312   <property name="expand">False</property>
313 </packing>
314 </child>
315 <child>
316   <widget class="GtkToolButton" id="remove_button">
317     <property name="visible">True</property>
318     <property name="sensitive">False</property>
319     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
320     <property name="tooltip" translatable="yes">Select packages by m
321     <property name="label" translatable="yes">Remove</property>
322     <property name="icon">remove24x.png</property>
323     <signal name="clicked" handler="on_remove_button_clicked"/>
324   </widget>

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322     <packing>
323       <property name="homogeneous">True</property>
324       <property name="expand">False</property>
325     </packing>
326   </child>
327 </child>
328   <widget class="GtkSeparatorToolItem" id="toolbutton2">
329     <property name="visible">True</property>
330     <property name="draw">False</property>
331   </widget>
332 </child>
333 <child>
334   <widget class="GtkToolButton" id="whats_new_button">
335     <property name="label" translatable="yes">What's New</property>
336     <property name="icon">new_star_24x.png</property>
337     <signal name="clicked" handler="on_whats_new_button_clicked"/>
338   </widget>
339 #endif /* ! codereview */
340 <packing>
341   <property name="homogeneous">True</property>
342   <property name="expand">False</property>
343   <property name="homogeneous">False</property>
344 </packing>
345 </child>
346 <child>
347   <widget class="GtkSeparatorToolItem" id="toolbutton3">
348     <property name="visible">True</property>
349     <property name="draw">False</property>
350   </widget>
351 </child>
352 #endif /* ! codereview */
353 <child>
354   <widget class="GtkToolItem" id="toolbutton1">
355     <property name="visible">True</property>
356     <property name="resize_mode">GTK_RESIZE_QUEUE</property>
357     <child>
358       <widget class="GtkAlignment" id="alignment9">
359         <property name="visible">True</property>
360         <property name="resize_mode">GTK_RESIZE_QUEUE</property>
361         <property name="xalign">1</property>
362         <property name="top_padding">11</property>
363         <property name="bottom_padding">11</property>
364         <property name="right_padding">14</property>
365       </widget>
366     </child>
367     <child>
368       <widget class="GtkHBox" id="hbox16">
369         <property name="visible">True</property>
370         <property name="spacing">6</property>
371       </child>
372     </child>
373     <child>
374       <widget class="GtkLabel" id="label1">
375         <property name="visible">True</property>
376         <property name="events">GDK_POINTER_MOTION_MASK | GD
377         <property name="xalign">1</property>
378         <property name="yalign">0.6000002384185791</propert
379         <property name="label" translatable="yes">&lt;i&gt;R
380         <property name="use_markup">True</property>
381         <property name="justify">GTK_JUSTIFY_RIGHT</property>
382       </widget>
383     </child>
384   </child>

```

```

385         <property name="pack_type">GTK_PACK_END</property>
386         <property name="position">1</property>
387     </packing>
388 </child>
389 </widget>
390 </child>
391 </widget>
392 </child>
393 </widget>
61 <packing>
62 <property name="expand">False</property>
63 <property name="homogeneous">False</property>
64 </packing>
394 </child>
395 </widget>
396 <packing>
397 <property name="expand">False</property>
398 <property name="position">1</property>
399 </packing>
400 </child>
401 <child>
402 <widget class="GtkHPaned" id="hpaned1">
403 <property name="visible">True</property>
404 <property name="can_focus">True</property>
405 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
406 <child>
407 <widget class="GtkVBox" id="vbox3">
408 <property name="visible">True</property>
409 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
410 <child>
411 <widget class="GtkAlignment" id="alignment3">
412 <property name="visible">True</property>
413 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
414 <property name="border_width">6</property>
415 <child>
416 <widget class="GtkComboBox" id="sectionscombobox">
417 <property name="visible">True</property>
418 <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
419 <signal name="changed" handler="on_sectionscombobox_chan
420 </widget>
421 </child>
422 </widget>
423 <packing>
424 <property name="expand">False</property>
425 </packing>
426 </child>
427 <child>
428 <widget class="GtkScrolledWindow" id="scrolledwindow1">
429 <property name="width_request">200</property>
430 <property name="visible">True</property>
431 <property name="can_focus">True</property>
432 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
433 <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
434 <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
435 <child>
436 <widget class="GtkTreeView" id="categoriestreeview">
437 <property name="visible">True</property>
438 <property name="can_focus">True</property>
439 <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
440 <property name="headers_visible">False</property>
441 </widget>
442 </child>
443 </widget>
444 <packing>
445 <property name="position">1</property>
446 </packing>

```

```

447 </child>
448 <child>
449 <widget class="GtkVBox" id="vbox15">
450 <property name="visible">True</property>
451 <child>
452 <widget class="GtkHBox" id="hbox15">
453 <property name="visible">True</property>
454 <child>
455 <widget class="GtkAlignment" id="alignment5">
456 <property name="visible">True</property>
457 <property name="xalign">0.0500000074505806</propert
458 <property name="xscale">0</property>
459 <property name="top_padding">3</property>
460 <property name="bottom_padding">4</property>
461 <property name="left_padding">7</property>
462 <child>
463 <widget class="GtkLabel" id="label15">
464 <property name="visible">True</property>
465 <property name="label" translatable="yes">Legend
466 <property name="justify">GTK_JUSTIFY_RIGHT</prop
467 </widget>
468 </child>
469 </widget>
470 <packing>
471 <property name="expand">False</property>
472 <property name="fill">False</property>
473 </packing>
474 </child>
475 </widget>
476 <packing>
477 <property name="expand">False</property>
478 <property name="fill">False</property>
479 </packing>
480 </child>
481 <child>
482 <widget class="GtkHBox" id="hbox17">
483 <property name="visible">True</property>
484 <child>
485 <widget class="GtkAlignment" id="alignment6">
486 <property name="visible">True</property>
487 <property name="xscale">0.6700001668930054</propert
488 <child>
489 <widget class="GtkHBox" id="hbox18">
490 <property name="visible">True</property>
491 <child>
492 <widget class="GtkAlignment" id="alignment10">
493 <property name="visible">True</property>
494 <property name="left_padding">8</property>
495 <child>
496 <widget class="GtkImage" id="image4">
497 <property name="visible">True</property>
498 <property name="pixbuf">legend_installed
499 </widget>
500 </child>
501 </widget>
502 <packing>
503 <property name="expand">False</property>
504 <property name="fill">False</property>
505 </packing>
506 </child>
507 <child>
508 <widget class="GtkAlignment" id="alignment8">
509 <property name="visible">True</property>
510 <property name="xscale">0.8000001192092896<
511 <property name="right_padding">4</property>
512 <child>

```

```

513         <widget class="GtkLabel" id="label16">
514             <property name="visible">True</property>
515             <property name="label" translatable="yes
516                 </widget>
517             </child>
518         </widget>
519         <packing>
520             <property name="expand">False</property>
521             <property name="fill">False</property>
522             <property name="position">1</property>
523         </packing>
524     </child>
525 </widget>
526 </child>
527 </widget>
528 <packing>
529     <property name="expand">False</property>
530     <property name="fill">False</property>
531 </packing>
532 </child>
533 <child>
534     <widget class="GtkAlignment" id="alignment7">
535         <property name="visible">True</property>
536         <child>
537             <widget class="GtkHBox" id="hbox19">
538                 <property name="visible">True</property>
539                 <child>
540                     <widget class="GtkAlignment" id="alignment12">
541                         <property name="visible">True</property>
542                         <property name="left_padding">5</property>
543                         <child>
544                             <widget class="GtkImage" id="image5">
545                                 <property name="visible">True</property>
546                                 <property name="pixbuf">legend_newupdate
547                             </widget>
548                         </child>
549                     </widget>
550                 <packing>
551                     <property name="expand">False</property>
552                     <property name="fill">False</property>
553                 </packing>
554             </child>
555             <child>
556                 <widget class="GtkAlignment" id="alignment11">
557                     <property name="visible">True</property>
558                     <property name="right_padding">20</property>
559                     <child>
560                         <widget class="GtkLabel" id="label17">
561                             <property name="visible">True</property>
562                             <property name="label" translatable="yes
563                                 <property name="ellipsize">PANGO_ELLIPSI
564                                 <property name="max_width_chars">10</pro
565                             </widget>
566                         </child>
567                     </widget>
568                 <packing>
569                     <property name="expand">False</property>
570                     <property name="position">1</property>
571                 </packing>
572             </child>
573         </widget>
574     </child>
575 </widget>
576 <packing>
577     <property name="expand">False</property>
578     <property name="fill">False</property>

```

```

579         <property name="position">1</property>
580     </packing>
581 </child>
582 </widget>
583 <packing>
584     <property name="expand">False</property>
585     <property name="fill">False</property>
586     <property name="position">1</property>
587 </packing>
588 </child>
589 </widget>
590 <packing>
591     <property name="expand">False</property>
592     <property name="fill">False</property>
593     <property name="position">2</property>
594 </packing>
595 </child>
596 #endif /* ! codereview */
597 </widget>
598 <packing>
599     <property name="resize">False</property>
600     <property name="shrink">False</property>
601     <property name="shrink">True</property>
602 </packing>
603 </child>
604 <child>
605     <widget class="GtkVBox" id="vbox2">
606         <property name="visible">True</property>
607         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
608         <child>
609             <widget class="GtkHBox" id="hbox2">
610                 <property name="visible">True</property>
611                 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
612                 <property name="border_width">6</property>
613                 <property name="spacing">50</property>
614             <child>
615                 <widget class="GtkHBox" id="hbox4">
616                     <property name="visible">True</property>
617                     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
618                     <property name="spacing">6</property>
619                 <child>
620                     <widget class="GtkLabel" id="label2">
621                         <property name="visible">True</property>
622                         <property name="events">GDK_POINTER_MOTION_MASK | GD
623                     </widget>
624                 </child>
625             </child>
626             <child>
627                 <widget class="GtkComboBox" id="filtercombobox">
628                     <property name="width_request">150</property>
629                     <property name="visible">True</property>
630                     <property name="events">GDK_POINTER_MOTION_MASK | GD
631                     <signal name="changed" handler="on_filtercombobox_ch
632                 </widget>
633             <packing>
634                 <property name="position">1</property>
635             </packing>
636         </child>
637     </widget>
638 <packing>
639     <property name="expand">False</property>
640 </child>
641 <child>
642     <widget class="GtkHBox" id="hbox5">
643         <property name="visible">True</property>

```

```

644 <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
645 <child>
646 <widget class="GtkLabel" id="label3">
647 <property name="visible">True</property>
648 <property name="events">GDK_POINTER_MOTION_MASK | GD
649 <property name="label" translatable="yes">Search:</p
650 </widget>
651 <packing>
652 <property name="padding">6</property>
653 </packing>
654 </child>
655 <child>
656 <widget class="GtkEntry" id="searchentry">
657 <property name="width_request">177</property>
658 <property name="visible">True</property>
659 <property name="can_focus">True</property>
660 <property name="events">GDK_POINTER_MOTION_MASK | GD
661 <property name="tooltip" translatable="yes">Type tex
662 <signal name="changed" handler="on_searchentry_chang
663 <signal name="focus_out_event" handler="on_searchent
664 <signal name="focus_in_event" handler="on_searchentr
665 <signal name="event" handler="on_searchentry_event"/
666 </widget>
667 <packing>
668 <property name="position">1</property>
669 </packing>
670 </child>
671 <child>
672 <widget class="GtkButton" id="clear_search">
673 <property name="visible">True</property>
674 <property name="can_focus">True</property>
675 <property name="receives_default">True</property>
676 <property name="relief">GTK_RELIEF_NONE</property>
677 <property name="focus_on_click">False</property>
678 <property name="xalign">0</property>
679 <property name="yalign">0</property>
680 <property name="response_id">0</property>
681 <signal name="clicked" handler="on_clear_search_clic
682 <child>
683 <widget class="GtkImage" id="clear_image">
684 <property name="visible">True</property>
685 <property name="stock">gtk-missing-image</proper
686 </widget>
687 </child>
688 </widget>
689 <packing>
690 <property name="expand">False</property>
691 <property name="fill">False</property>
692 <property name="position">2</property>
693 </packing>
694 </child>
695 </widget>
696 <packing>
697 <property name="expand">False</property>
698 <property name="padding">12</property>
699 <property name="pack_type">GTK_PACK_END</property>
700 <property name="position">1</property>
701 </packing>
702 </child>
703 </widget>
704 <packing>
705 <property name="expand">False</property>
706 </packing>
707 </child>
708 <child>
709 <widget class="GtkNotebook" id="main_view_notebook">

```

```

710 <property name="visible">True</property>
711 <property name="can_focus">True</property>
712 <property name="show_tabs">False</property>
713 <property name="show_border">False</property>
714 <child>
715 #endif /* ! codereview */
716 <widget class="GtkVPaned" id="vpaned1">
717 <property name="visible">True</property>
718 <property name="can_focus">True</property>
719 <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
720 <child>
721 <widget class="GtkScrolledWindow" id="scrolledwindow2">
722 <property name="visible">True</property>
723 <property name="can_focus">True</property>
724 <property name="events">GDK_POINTER_MOTION_MASK | GD
725 <property name="hscrollbar_policy">GTK_POLICY_AUTOMA
726 <property name="vscrollbar_policy">GTK_POLICY_AUTOMA
727 <child>
728 <widget class="GtkTreeView" id="applicationtreevie
729 <property name="height_request">270</property>
730 <property name="visible">True</property>
731 <property name="can_focus">True</property>
732 <property name="events">GDK_POINTER_MOTION_MASK
733 <property name="rules_hint">True</property>
734 <property name="enable_search">False</property>
735 </widget>
736 </child>
737 </widget>
738 <packing>
739 <property name="resize">True</property>
740 <property name="shrink">True</property>
741 </packing>
742 </child>
743 <child>
744 <widget class="GtkVBox" id="vbox4">
745 <property name="visible">True</property>
746 <property name="events">GDK_POINTER_MOTION_MASK | GD
747 <property name="spacing">10</property>
748 <child>
749 <widget class="GtkHBox" id="package_hbox">
750 <widget class="GtkHBox" id="hbox15">
751 <property name="visible">True</property>
752 <property name="events">GDK_POINTER_MOTION_MASK
753 <property name="border_width">6</property>
754 <property name="spacing">6</property>
755 <child>
756 <widget class="GtkImage" id="packageimage">
757 <property name="visible">True</property>
758 <property name="events">GDK_POINTER_MOTION_M
759 <property name="xalign">0</property>
760 <property name="yalign">0</property>
761 <property name="xpad">5</property>
762 <property name="ypad">5</property>
763 <property name="pixbuf">PM_package_36x.png</
764 </widget>
765 <packing>
766 <property name="expand">False</property>
767 </packing>
768 </child>
769 <child>
770 <widget class="GtkVBox" id="vbox6">
771 <property name="visible">True</property>
772 <property name="events">GDK_POINTER_MOTION_M
773 <child>
774 <widget class="GtkLabel" id="packagenamela
<property name="visible">True</property>

```

```

775     <property name="events">GDK_POINTER_MOTI
776     <property name="xalign">0</property>
777     <property name="yalign">0</property>
778     <property name="xpad">10</property>
779     <property name="ypad">2</property>
780     <property name="label" translatable="yes
781     <property name="use_markup">True</proper
782     </widget>
783   </child>
784   <child>
785     <widget class="GtkLabel" id="shortdescript
786     <property name="visible">True</property>
787     <property name="events">GDK_POINTER_MOTI
788     <property name="xalign">0</property>
789     <property name="yalign">0</property>
790     <property name="xpad">10</property>
791     <property name="label" translatable="yes
792     <property name="use_markup">True</proper
793     </widget>
794     <packing>
795     <property name="position">1</property>
796     </packing>
797   </child>
798 </widget>
799 <packing>
800 <property name="position">1</property>
801 </packing>
802 </child>
803 </widget>
804 <packing>
805 <property name="expand">False</property>
806 <property name="fill">False</property>
807 </packing>
808 </child>
809 <child>
810 <widget class="GtkNotebook" id="notebook1">
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812 <property name="can_focus">True</property>
813 <property name="events">GDK_POINTER_MOTION_MASK
814 <signal name="switch_page" handler="on_notebook1
815 <child>
816 <widget class="GtkScrolledWindow" id="scrolled
817 <property name="visible">True</property>
818 <property name="can_focus">True</property>
819 <property name="events">GDK_POINTER_MOTION_M
820 <property name="hscrollbar_policy">GTK_POLIC
821 <property name="vscrollbar_policy">GTK_POLIC
822 <child>
823 <widget class="GtkTextView" id="generalinf
824 <property name="visible">True</property>
825 <property name="can_focus">True</propert
826 <property name="events">GDK_POINTER_MOTI
827 <property name="editable">False</propert
828 </widget>
829 </child>
830 </widget>
831 </child>
832 <child>
833 <widget class="GtkLabel" id="general_info_labe
834 <widget class="GtkLabel" id="label8">
835 <property name="visible">True</property>
836 <property name="events">GDK_POINTER_MOTION_M
837 <property name="label" translatable="yes">&l
838 <property name="use_markup">True</property>
839 <property name="label" translatable="yes">Genera
840 </widget>

```

```

839 <packing>
840 <property name="type">tab</property>
841 <property name="tab_fill">False</property>
842 </packing>
843 </child>
844 <child>
845 <widget class="GtkScrolledWindow" id="scrolled
846 <property name="visible">True</property>
847 <property name="can_focus">True</property>
848 <property name="events">GDK_POINTER_MOTION_M
849 <property name="hscrollbar_policy">GTK_POLIC
850 <property name="vscrollbar_policy">GTK_POLIC
851 <child>
852 <widget class="GtkTextView" id="installedf
853 <property name="visible">True</property>
854 <property name="can_focus">True</propert
855 <property name="events">GDK_POINTER_MOTI
856 <property name="editable">False</propert
857 </widget>
858 </child>
859 </widget>
860 <packing>
861 <property name="position">1</property>
862 </packing>
863 </child>
864 <child>
865 <widget class="GtkLabel" id="label9">
866 <property name="visible">True</property>
867 <property name="events">GDK_POINTER_MOTION_M
868 <property name="label" translatable="yes">Fi
869 <property name="label" translatable="yes">Files
870 </widget>
871 <packing>
872 <property name="type">tab</property>
873 <property name="position">1</property>
874 <property name="tab_fill">False</property>
875 </packing>
876 </child>
877 <child>
878 <widget class="GtkScrolledWindow" id="scrolled
879 <property name="visible">True</property>
880 <property name="can_focus">True</property>
881 <property name="events">GDK_POINTER_MOTION_M
882 <property name="hscrollbar_policy">GTK_POLIC
883 <property name="vscrollbar_policy">GTK_POLIC
884 <child>
885 <widget class="GtkTextView" id="dependenci
886 <property name="visible">True</property>
887 <property name="can_focus">True</propert
888 <property name="events">GDK_POINTER_MOTI
889 <property name="editable">False</propert
890 </widget>
891 </child>
892 </widget>
893 <packing>
894 <property name="position">2</property>
895 </packing>
896 </child>
897 <child>
898 <widget class="GtkLabel" id="label10">
899 <property name="visible">True</property>
900 <property name="events">GDK_POINTER_MOTION_M
901 <property name="label" translatable="yes">De
902 </widget>
903 <packing>
904 <property name="type">tab</property>

```

```

904     <property name="position">2</property>
905     <property name="tab_fill">False</property>
906   </packing>
907 </child>
908 <child>
909   <widget class="GtkScrolledWindow" id="scrolled
910     <property name="visible">True</property>
911     <property name="can_focus">True</property>
912     <property name="hscrollbar_policy">GTK_POLIC
913     <property name="vscrollbar_policy">GTK_POLIC
914   <child>
915     <widget class="GtkTextView" id="licensetex
916       <property name="visible">True</property>
917       <property name="can_focus">True</propert
918     </widget>
919   </child>
920 </widget>
921 <packing>
922   <property name="position">3</property>
923 </packing>
924 </child>
925 <child>
926   <widget class="GtkLabel" id="label23">
927     <property name="visible">True</property>
928     <property name="label" translatable="yes">Le
929   </widget>
930 <packing>
931   <property name="type">tab</property>
932   <property name="position">3</property>
933   <property name="tab_fill">False</property>
934 </packing>
935 </child>
936 </widget>
937 <packing>
938   <property name="position">1</property>
939 </packing>
940 </child>
941 </widget>
942 <packing>
943   <property name="resize">False</property>
944   <property name="shrink">True</property>
945 </packing>
946 </child>
947 </widget>
948 </child>
949 <child>
950   <placeholder/>
951 <packing>
952   <property name="type">tab</property>
953 </packing>
954 </child>
955 <child>
956   <widget class="GtkFrame" id="whats_new_frame">
957     <property name="visible">True</property>
958     <property name="label_xalign">0</property>
959     <property name="shadow_type">GTK_SHADOW_NONE</property>
960   <child>
961     <placeholder/>
962   </child>
963 <child>
964     <placeholder/>
965   <packing>
966     <property name="type">label_item</property>
967   </packing>
968 </child>
969 </widget>

```

```

970     <packing>
971     <property name="position">1</property>
972   </packing>
973 </child>
974 <child>
975   <placeholder/>
976 <packing>
977   <property name="type">tab</property>
978 </packing>
979 </child>
980 </widget>
981 #endif /* ! codereview */
982 <packing>
983   <property name="position">1</property>
984 </packing>
985 </child>
986 </widget>
987 <packing>
988   <property name="resize">True</property>
989   <property name="shrink">True</property>
990 </packing>
991 </child>
992 </widget>
993 <packing>
994   <property name="padding">3</property>
995   <property name="position">2</property>
996 </packing>
997 </child>
998 <child>
999   <widget class="GtkStatusbar" id="statusbar">
1000     <property name="visible">True</property>
1001     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1002     <property name="spacing">2</property>
1003   </widget>
1004 <packing>
1005   <property name="expand">False</property>
1006   <property name="position">3</property>
1007 </packing>
1008 </child>
1009 </widget>
1010 </child>
1011 </widget>
1012 <widget class="GtkDialog" id="installupdate">
1013   <property name="width_request">400</property>
1014   <property name="height_request">375</property>
1015   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
1016   <property name="border_width">5</property>
1017   <property name="title" translatable="yes">Install / Update Confirmation</pro
1018   <property name="modal">True</property>
1019   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
1020   <property name="icon">PM_app_48x.png</property>
1021   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
1022   <property name="deletable">False</property>
1023   <property name="transient_for">mainwindow</property>
1024   <property name="has_separator">False</property>
1025   <child internal-child="vbox">
1026     <widget class="GtkVBox" id="dialog-vbox1">
1027       <property name="visible">True</property>
1028       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
1029       <property name="spacing">5</property>
1030     <child>
1031       <widget class="GtkVBox" id="vbox15">
1032         <property name="visible">True</property>
1033         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1034         <property name="spacing">16</property>
1035     </child>

```

```

1036 #endif /* ! codereview */
1037     <widget class="GtkHBox" id="hbox6">
1038     <property name="visible">True</property>
1039     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1040     <property name="spacing">10</property>
1041     <child>
1042     <widget class="GtkAlignment" id="alignment1">
1043     <property name="visible">True</property>
1044     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
1045     <child>
1046     <placeholder/>
1047     </child>
1048     </widget>
1049     </child>
1050     <child>
1051     <widget class="GtkImage" id="warningtriangle">
1052     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
1053     <property name="stock">gtk-dialog-warning</property>
1054     <property name="icon_size">6</property>
1055     </widget>
1056     <packing>
1057     <property name="expand">False</property>
1058     <property name="fill">False</property>
1059     <property name="position">1</property>
1060     </packing>
1061     </child>
1062     <child>
1063     <widget class="GtkLabel" id="label5">
1064     <property name="visible">True</property>
1065     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
1066     <property name="xalign">0</property>
1067     <property name="yalign">0</property>
1068     <property name="label" translatable="yes">This action affect
1069 Review the packages to be installed or updated.
1070 Click Next to continue.</property>
1071     <property name="use_markup">True</property>
1072     <property name="wrap">True</property>
1073     </widget>
1074     <packing>
1075     <property name="position">2</property>
1076     </packing>
1077     </child>
1078     <child>
1079     <widget class="GtkAlignment" id="alignment2">
1080     <property name="visible">True</property>
1081     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
1082     <child>
1083     <placeholder/>
1084     </child>
1085     </widget>
1086     <packing>
1087     <property name="position">3</property>
1088     </packing>
1089     </child>
1090     </widget>
1091     <packing>
1092     <property name="expand">False</property>
1093     <property name="padding">5</property>
1094     <property name="position">1</property>
1095     </packing>
1096     </child>
1097     <child>
1098     <widget class="GtkScrolledWindow" id="scrolledwindow3">
1099     <property name="visible">True</property>
1100     <property name="can_focus">True</property>
1101     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO

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```

1101     <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
1102     <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
1103     <child>
1104     <widget class="GtkTreeView" id="treeview1">
1105     <property name="visible">True</property>
1106     <property name="can_focus">True</property>
1107     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
1108     <property name="headers_visible">False</property>
1109     <property name="enable_search">False</property>
1110     <property name="level_indentation">70</property>
1111     </widget>
1112     </child>
1113     </widget>
1114     <packing>
1115     <property name="padding">6</property>
1116     <property name="position">1</property>
1117     <property name="position">2</property>
1118     </packing>
1119     </child>
1120     <child>
1121     <widget class="GtkLabel" id="packagenamelabel2">
1122     <property name="visible">True</property>
1123     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1124     <property name="xalign">0</property>
1125     <property name="yalign">0</property>
1126     <property name="label" translatable="yes">&lt;b&gt;Summary&lt;/b
1127     <property name="use_markup">True</property>
1128     </widget>
1129     <packing>
1130     <property name="expand">False</property>
1131     <property name="position">2</property>
1132     <property name="position">3</property>
1133     </packing>
1134     </child>
1135     <child>
1136     <widget class="GtkLabel" id="packagenamelabel3">
1137     <property name="visible">True</property>
1138     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1139     <property name="xalign">0</property>
1140     <property name="yalign">0</property>
1141     <property name="label" translatable="yes">6 packages will be ins
1142 28 packages will be updated
1143 20.1 MB will be downloaded</property>
1144     <property name="use_markup">True</property>
1145     </widget>
1146     <packing>
1147     <property name="expand">False</property>
1148     <property name="position">3</property>
1149     <property name="position">4</property>
1150     </packing>
1151     </child>
1152     <child>
1153     <widget class="GtkHSeparator" id="hseparator3">
1154     <property name="visible">True</property>
1155     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1156     </widget>
1157     <packing>
1158     <property name="position">1</property>
1159     <property name="expand">False</property>
1160     <property name="padding">5</property>
1161     <property name="position">5</property>
1162     </packing>
1163     </child>
1164     <child internal-child="action_area">
1165     <widget class="GtkHButtonBox" id="dialog-action_area1">

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1157 <property name="visible">True</property>
1158 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1159 <property name="layout_style">GTK_BUTTONBOX_END</property>
1160 <child>
1161 <widget class="GtkButton" id="cancel">
1162 <property name="visible">True</property>
1163 <property name="can_focus">True</property>
1164 <property name="receives_default">True</property>
1165 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1166 <property name="label" translatable="yes">gtk-cancel</property>
1167 <property name="use_stock">True</property>
505 <property name="label" translatable="yes">Cancel</property>
1168 <property name="response_id">0</property>
1169 <signal name="clicked" handler="on_cancel_button_clicked"/>
1170 </widget>
1171 </child>
1172 <child>
1173 <widget class="GtkButton" id="next">
1174 <property name="visible">True</property>
1175 <property name="can_focus">True</property>
1176 <property name="receives_default">True</property>
1177 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
516 <property name="label" translatable="yes">Next</property>
1178 <property name="response_id">0</property>
1179 <signal name="clicked" handler="on_next_button_clicked"/>
1180 <child>
1181 <widget class="GtkHBox" id="hbox19">
1182 <property name="visible">True</property>
1183 <child>
1184 <widget class="GtkAlignment" id="alignment5">
1185 <property name="visible">True</property>
1186 <child>
1187 <placeholder/>
1188 </child>
1189 </widget>
1190 </child>
1191 <child>
1192 <widget class="GtkImage" id="image6">
1193 <property name="visible">True</property>
1194 <property name="stock">gtk-ok</property>
1195 </widget>
1196 <packing>
1197 <property name="expand">False</property>
1198 <property name="position">1</property>
1199 </packing>
1200 </child>
1201 <child>
1202 <widget class="GtkLabel" id="label17">
1203 <property name="visible">True</property>
1204 <property name="label" translatable="yes">_Next</propert
1205 <property name="use_underline">True</property>
1206 </widget>
1207 <packing>
1208 <property name="padding">2</property>
1209 <property name="position">2</property>
1210 </packing>
1211 </child>
1212 <child>
1213 <widget class="GtkAlignment" id="alignment6">
1214 <property name="visible">True</property>
1215 <child>
1216 <placeholder/>
1217 </child>
1218 </widget>
1219 <packing>
1220 <property name="position">3</property>

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```

1221 </packing>
1222 </child>
1223 </widget>
1224 </child>
1225 #endif /* ! codereview */
1226 </widget>
1227 <packing>
1228 <property name="position">1</property>
1229 </packing>
1230 </child>
1231 </widget>
1232 <packing>
1233 <property name="expand">False</property>
1234 <property name="pack_type">GTK_PACK_END</property>
1235 </packing>
1236 </child>
1237 </widget>
1238 </child>
1239 </widget>
1240 <widget class="GtkDialog" id="downloadingfiles">
1241 <property name="width_request">400</property>
1242 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
1243 <property name="border_width">5</property>
1244 <property name="title" translatable="yes">Downloading Packages</property>
1245 <property name="resizable">False</property>
1246 <property name="modal">True</property>
1247 <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
1248 <property name="icon">PM_app_48x.png</property>
1249 <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
1250 <property name="deletable">False</property>
1251 <property name="transient_for">mainwindow</property>
1252 <property name="has_separator">False</property>
1253 <child internal-child="vbox">
1254 <widget class="GtkVBox" id="dialog-vbox3">
1255 <property name="visible">True</property>
1256 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
1257 <property name="spacing">16</property>
519 <property name="spacing">2</property>
1258 <child>
1259 <widget class="GtkVBox" id="vbox7">
1260 <property name="visible">True</property>
1261 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1262 <property name="spacing">10</property>
1263 <child>
1264 <widget class="GtkLabel" id="packagedependencies2">
1265 <property name="visible">True</property>
1266 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1267 <property name="xalign">0</property>
1268 <property name="yalign">0</property>
1269 <property name="label" translatable="yes">Downloading files...</
1270 <property name="use_markup">True</property>
1271 </widget>
1272 <packing>
1273 <property name="expand">False</property>
1274 </packing>
1275 </child>
1276 <child>
1277 <widget class="GtkProgressBar" id="downloadprogress">
1278 <property name="visible">True</property>
1279 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1280 </widget>
1281 <packing>
1282 <property name="expand">False</property>
1283 <property name="position">1</property>
1284 </packing>
1285 </child>

```

```

1286 <child>
1287 <widget class="GtkExpander" id="expander2">
1288 <property name="visible">True</property>
1289 <property name="can_focus">True</property>
1290 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1291 <child>
1292 <widget class="GtkScrolledWindow" id="scrolledwindow4">
1293 <property name="visible">True</property>
1294 <property name="can_focus">True</property>
1295 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1296 <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</property>
1297 <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</property>
1298 <child>
1299 <widget class="GtkTextView" id="downloadtextview">
1300 <property name="height_request">250</property>
1301 <property name="visible">True</property>
1302 <property name="can_focus">True</property>
1303 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1304 <property name="editable">False</property>
1305 </widget>
1306 </child>
1307 </widget>
1308 </child>
1309 <child>
1310 <widget class="GtkLabel" id="label12">
1311 <property name="visible">True</property>
1312 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1313 <property name="label" translatable="yes">Show Details</property>
1314 </widget>
1315 <packing>
1316 <property name="type">label_item</property>
1317 </packing>
1318 </child>
1319 </widget>
1320 <packing>
1321 <property name="expand">False</property>
1322 <property name="position">2</property>
1323 </packing>
1324 </child>
1325 <child>
1326 <widget class="GtkHSeparator" id="hseparator2">
1327 <property name="visible">True</property>
1328 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1329 </widget>
1330 <packing>
1331 <property name="expand">False</property>
1332 <property name="position">3</property>
1333 </packing>
1334 </child>
1335 </widget>
1336 <packing>
1337 <property name="position">1</property>
1338 </packing>
1339 </child>
1340 <child internal-child="action_area">
1341 <widget class="GtkHButtonBox" id="dialog-action_area3">
1342 <property name="visible">True</property>
1343 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1344 <property name="layout_style">GTK_BUTTONBOX_END</property>
1345 <child>
1346 <widget class="GtkButton" id="canceldownload">
1347 <property name="visible">True</property>
1348 <property name="can_focus">True</property>
1349 <property name="receives_default">True</property>
1350 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1351 <property name="label" translatable="yes">gtk-cancel</property>

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1342 <property name="use_stock">True</property>
1343 <property name="label" translatable="yes">Cancel</property>
1344 <property name="response_id">0</property>
1345 <signal name="clicked" handler="on_canceldownload_clicked"/>
1346 </widget>
1347 </child>
1348 </widget>
1349 <packing>
1350 <property name="expand">False</property>
1351 <property name="pack_type">GTK_PACK_END</property>
1352 </packing>
1353 </child>
1354 </widget>
1355 </child>
1356 <widget class="GtkDialog" id="createplandialog">
1357 <property name="width_request">400</property>
1358 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1359 <property name="border_width">5</property>
1360 <property name="title" translatable="yes">Install/Upgrade Check</property>
1361 <property name="resizable">False</property>
1362 <property name="modal">True</property>
1363 <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
1364 <property name="icon">PM_app_48x.png</property>
1365 <property name="type_hint">GTK_WINDOW_TYPE_HINT_DIALOG</property>
1366 <property name="deletable">False</property>
1367 <property name="transient_for">mainwindow</property>
1368 <property name="has_separator">False</property>
1369 <child internal-child="vbox">
1370 <widget class="GtkVBox" id="dialog-vbox4">
1371 <property name="visible">True</property>
1372 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1373 <property name="spacing">16</property>
1374 <property name="spacing">2</property>
1375 <child>
1376 <widget class="GtkVBox" id="vbox9">
1377 <property name="visible">True</property>
1378 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1379 <property name="spacing">10</property>
1380 <child>
1381 <widget class="GtkLabel" id="packagedependencies">
1382 <property name="visible">True</property>
1383 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1384 <property name="xalign">0</property>
1385 <property name="yalign">0</property>
1386 <property name="label" translatable="yes">Checking package dependencies</property>
1387 <property name="use_markup">True</property>
1388 <property name="wrap">True</property>
1389 </widget>
1390 <packing>
1391 <property name="expand">False</property>
1392 </packing>
1393 </child>
1394 <child>
1395 <widget class="GtkProgressBar" id="createplanprogress">
1396 <property name="visible">True</property>
1397 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1398 </widget>
1399 <packing>
1400 <property name="expand">False</property>
1401 <property name="position">1</property>
1402 </packing>
1403 </child>
1404 </child>
1405 <widget class="GtkExpander" id="expander3">
1406 <property name="visible">True</property>

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1406     <property name="can_focus">True</property>
1407     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1408     <child>
1409         <widget class="GtkScrolledWindow" id="scrolledwindow5">
1410             <property name="visible">True</property>
1411             <property name="can_focus">True</property>
1412             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
1413             <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
1414             <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
1415             <child>
1416                 <widget class="GtkTextView" id="createplantextview">
1417                     <property name="height_request">250</property>
1418                     <property name="visible">True</property>
1419                     <property name="can_focus">True</property>
1420                     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
1421                     <property name="editable">False</property>
1422                 </widget>
1423             </child>
1424         </widget>
1425     </child>
1426     <child>
1427         <widget class="GtkLabel" id="label13">
1428             <property name="visible">True</property>
1429             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTE
1430             <property name="label" translatable="yes">Show Details</prop
1431         </widget>
1432         <packing>
1433             <property name="type">label_item</property>
1434         </packing>
1435     </child>
1436 </widget>
1437 <packing>
1438     <property name="expand">False</property>
1439     <property name="position">2</property>
1440 </packing>
1441 </child>
1442 <child>
1443     <placeholder/>
1444     <widget class="GtkHSeparator" id="hseparator1">
1445         <property name="visible">True</property>
1446         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1447     </widget>
1448     <packing>
1449         <property name="expand">False</property>
1450         <property name="position">3</property>
1451     </packing>
1452 </child>
1453 </widget>
1454 <packing>
1455     <property name="position">1</property>
1456 </packing>
1457 </child>
1458 <child internal-child="action_area">
1459     <widget class="GtkHButtonBox" id="dialog-action_area4">
1460         <property name="visible">True</property>
1461         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1462         <property name="layout_style">GTK_BUTTONBOX_END</property>
1463     <child>
1464         <widget class="GtkButton" id="cancelcreateplan">
1465             <property name="visible">True</property>
1466             <property name="can_focus">True</property>
1467             <property name="receives_default">True</property>
1468             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1469             <property name="label" translatable="yes">gtk-cancel</property>
1470             <property name="use_stock">True</property>
1471             <property name="label" translatable="yes">Cancel</property>

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1463         <property name="response_id">0</property>
1464         <signal name="clicked" handler="on_cancelcreateplan_clicked"/>
1465     </widget>
1466 </child>
1467 </widget>
1468 <packing>
1469     <property name="expand">False</property>
1470     <property name="pack_type">GTK_PACK_END</property>
1471 </packing>
1472 </child>
1473 </widget>
1474 </child>
1475 </widget>
1476 <widget class="GtkDialog" id="installingdialog">
1477     <property name="width_request">400</property>
1478     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
1479     <property name="border_width">5</property>
1480     <property name="title" translatable="yes">Installing Packages</property>
1481     <property name="resizable">False</property>
1482     <property name="modal">True</property>
1483     <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
1484     <property name="icon">PM_app_48x.png</property>
1485     <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
1486     <property name="deletable">False</property>
1487     <property name="transient_for">mainwindow</property>
1488     <property name="has_separator">False</property>
1489     <child internal-child="vbox">
1490         <widget class="GtkVBox" id="dialog-vbox5">
1491             <property name="visible">True</property>
1492             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
1493             <property name="spacing">16</property>
1494             <property name="spacing">2</property>
1495         </child>
1496         <widget class="GtkVBox" id="vbox8">
1497             <property name="visible">True</property>
1498             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
1499             <property name="spacing">10</property>
1500         </child>
1501         <widget class="GtkLabel" id="packagedependencies3">
1502             <property name="visible">True</property>
1503             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1504             <property name="xalign">0</property>
1505             <property name="yalign">0</property>
1506             <property name="label" translatable="yes">Installing Packages...
1507             <property name="use_markup">True</property>
1508         </widget>
1509         <packing>
1510             <property name="expand">False</property>
1511         </packing>
1512 </child>
1513 <child>
1514     <widget class="GtkProgressBar" id="installingprogress">
1515         <property name="visible">True</property>
1516         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1517     </widget>
1518     <packing>
1519         <property name="expand">False</property>
1520         <property name="position">1</property>
1521     </packing>
1522 </child>
1523 <child>
1524     <widget class="GtkExpander" id="expander4">
1525         <property name="visible">True</property>
1526         <property name="can_focus">True</property>
1527         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
1528     </child>

```

```

1528 <widget class="GtkScrolledWindow" id="scrolledwindow6">
1529   <property name="visible">True</property>
1530   <property name="can_focus">True</property>
1531   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1532   <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</property>
1533   <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</property>
1534   <child>
1535     <widget class="GtkTextView" id="installingtextview">
1536       <property name="height_request">250</property>
1537       <property name="visible">True</property>
1538       <property name="can_focus">True</property>
1539       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1540       <property name="editable">False</property>
1541     </widget>
1542   </child>
1543 </widget>
1544 </child>
1545 <child>
1546   <widget class="GtkLabel" id="label4">
1547     <property name="visible">True</property>
1548     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1549     <property name="label" translatable="yes">Show Details</property>
1550   </widget>
1551   <packing>
1552     <property name="type">label_item</property>
1553   </packing>
1554 </child>
1555 </widget>
1556 <packing>
1557   <property name="expand">False</property>
1558   <property name="position">2</property>
1559 </packing>
1560 </child>
1561 <child>
1562   <widget class="GtkHSeparator" id="hseparator4">
1563     <property name="visible">True</property>
1564     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1565   </widget>
1566   <packing>
1567     <property name="expand">False</property>
1568     <property name="position">3</property>
1569   </packing>
1570 </child>
1571 </widget>
1572 <packing>
1573   <property name="expand">False</property>
1574   <property name="pack_type">GTK_PACK_END</property>
1575 </packing>
1576 </child>
1577 </widget>
1578 </child>
1579 </widget>
1580 <widget class="GtkAboutDialog" id="aboutdialog">
1581   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MASK</property>
1582   <property name="border_width">5</property>
1583   <property name="title" translatable="yes">About Glade</property>

```

```

1584   <property name="resizable">False</property>
1585   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
1586   <property name="icon">PM_app_48x.png</property>
1587   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
1588   <property name="program_name">Package Manager</property>
1589   <property name="version">0.2</property>
1590   <property name="copyright" translatable="yes">Copyright 2008 Sun Microsystems
1591 All rights reserved.
1592 Use is subject to license terms.</property>
1593   <property name="license">COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL)

```

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2035     <property name="label" translatable="yes">gtk-close</property>
2036     <property name="use_stock">True</property>
1332     <property name="label" translatable="yes">Close</property>
2037     <property name="response_id">0</property>
2038     <signal name="clicked" handler="on_networkdown_close_clicked"/>
2039   </widget>
2040 </child>
2041 </widget>
2042 <packing>
2043   <property name="expand">False</property>
2044   <property name="pack_type">GTK_PACK_END</property>
2045 </packing>
2046 </child>
2047 </widget>
2048 </child>
2049 </widget>
2050 <widget class="GtkDialog" id="progressdialog">
2051   <property name="width_request">400</property>
2052   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
2053   <property name="border_width">5</property>
2054   <property name="title" translatable="yes">Processing</property>
2055   <property name="resizable">False</property>
2056   <property name="modal">True</property>
2057   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2058   <property name="icon">PM_app_48x.png</property>
2059   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2060   <property name="deletable">False</property>
2061   <property name="transient_for">mainwindow</property>
2062   <property name="has_separator">False</property>
2063   <child internal-child="vbox">
2064     <widget class="GtkVBox" id="dialog-vbox17">
2065       <property name="visible">True</property>
2066       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
2067       <property name="spacing">2</property>
2068     <child>
2069       <widget class="GtkVBox" id="vbox14">
2070         <property name="visible">True</property>
2071         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2072         <property name="spacing">6</property>
2073       <child>
2074         <widget class="GtkLabel" id="progressinfo">
2075           <property name="visible">True</property>
2076           <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2077           <property name="xalign">0</property>
2078           <property name="yalign">0</property>
2079           <property name="label" translatable="yes">Checking for latest SU
2080           <property name="use_markup">True</property>
2081         </widget>
2082       <packing>
2083         <property name="expand">False</property>
2084       </packing>
2085     </child>
2086   </child>
2087   <widget class="GtkProgressBar" id="progressbar">
2088     <property name="visible">True</property>
2089     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2090   </widget>
2091   <packing>
2092     <property name="expand">False</property>
2093     <property name="position">1</property>
2094   </packing>
2095 </child>
2096 </widget>
2097 <packing>
2098   <property name="position">1</property>
2099 </packing>

```

```

2100   </child>
2101   <child internal-child="action_area">
2102     <widget class="GtkHButtonBox" id="dialog-action_area17">
2103       <property name="visible">True</property>
2104       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2105       <property name="layout_style">GTK_BUTTONBOX_END</property>
2106     <child>
2107       <widget class="GtkButton" id="progresscancel">
2108         <property name="visible">True</property>
2109         <property name="can_focus">True</property>
2110         <property name="receives_default">True</property>
2111         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2112         <property name="label" translatable="yes">gtk-cancel</property>
2113         <property name="use_stock">True</property>
1408         <property name="label" translatable="yes">Cancel</property>
2114         <property name="response_id">0</property>
2115         <signal name="clicked" handler="on_cancel_progressdialog_clicked
2116       </widget>
2117     </child>
2118   </widget>
2119   <packing>
2120     <property name="expand">False</property>
2121     <property name="pack_type">GTK_PACK_END</property>
2122   </packing>
2123 </child>
2124 </widget>
2125 </child>
2126 </widget>
2127 <widget class="GtkDialog" id="beadmin">
2128   <property name="width_request">600</property>
2129   <property name="height_request">500</property>
2130   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
2131   <property name="border_width">5</property>
2132   <property name="title" translatable="yes">Boot Environment Management</prope
2133   <property name="modal">True</property>
2134   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2135   <property name="icon">PM_app_48x.png</property>
2136   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2137   <property name="transient_for">mainwindow</property>
2138   <property name="has_separator">False</property>
2139   <signal name="delete_event" handler="on_beadmin_delete_event"/>
2140   <child internal-child="vbox">
2141     <widget class="GtkVBox" id="dialog-vbox18">
2142       <property name="visible">True</property>
2143       <property name="spacing">16</property>
1438       <property name="spacing">2</property>
2144     <child>
2145       <widget class="GtkVBox" id="vbox10">
2146         <property name="visible">True</property>
2147         <property name="spacing">2</property>
2148       <child>
2149         <widget class="GtkLabel" id="betitlelabel">
2150           <property name="visible">True</property>
2151           <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2152           <property name="xalign">0</property>
2153           <property name="yalign">0</property>
2154           <property name="xpad">10</property>
2155           <property name="ypad">2</property>
2156           <property name="label" translatable="yes">&lt;b>Manage your B
2157           <property name="use_markup">True</property>
2158         </widget>
2159       <packing>
2160         <property name="expand">False</property>
2161       </packing>
2162     </child>
2163   </child>

```

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2164 <widget class="GtkLabel" id="bedescriptionlabel3">
2165   <property name="width_request">575</property>
2166   <property name="visible">True</property>
2167   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2168   <property name="xalign">0</property>
2169   <property name="yalign">0</property>
2170   <property name="xpad">10</property>
2171   <property name="ypad">4</property>
2172   <property name="label" translatable="yes">1. Delete old and unus
2173   <property name="use_markup">True</property>
2174   <property name="wrap">True</property>
2175 </widget>
2176 <packing>
2177   <property name="expand">False</property>
2178   <property name="position">1</property>
2179 </packing>
2180 </child>
2181 <child>
2182   <widget class="GtkLabel" id="bedescriptionlabel">
2183     <property name="visible">True</property>
2184     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2185     <property name="xalign">0</property>
2186     <property name="yalign">0</property>
2187     <property name="xpad">10</property>
2188     <property name="ypad">4</property>
2189     <property name="label" translatable="yes">2. Change the default
2190     <property name="use_markup">True</property>
2191   </widget>
2192   <packing>
2193     <property name="expand">False</property>
2194     <property name="position">2</property>
2195   </packing>
2196 </child>
2197 <child>
2198   <widget class="GtkLabel" id="bedescriptionlabel1">
2199     <property name="visible">True</property>
2200     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2201     <property name="xalign">0</property>
2202     <property name="yalign">0</property>
2203     <property name="xpad">20</property>
2204     <property name="label" translatable="yes">Note: The current acti
2205 To delete this BE, boot into another BE, then return here.</property>
2206     <property name="use_markup">True</property>
2207     <property name="wrap">True</property>
2208   </widget>
2209   <packing>
2210     <property name="expand">False</property>
2211     <property name="position">3</property>
2212   </packing>
2213 </child>
2214 <child>
2215   <widget class="GtkAlignment" id="alignment4">
2216     <property name="visible">True</property>
2217     <child>
2218       <placeholder/>
2219     </child>
2220   </widget>
2221   <packing>
2222     <property name="expand">False</property>
2223     <property name="padding">5</property>
2224     <property name="position">4</property>
2225   </packing>
2226 </child>
2227 <child>
2228   <widget class="GtkLabel" id="bedescriptionlabel4">
2229     <property name="visible">True</property>

```

```

2230     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2231     <property name="xalign">0</property>
2232     <property name="yalign">0</property>
2233     <property name="xpad">10</property>
2234     <property name="ypad">4</property>
2235     <property name="label" translatable="yes">The following BEs are
2236     <property name="use_markup">True</property>
2237   </widget>
2238   <packing>
2239     <property name="expand">False</property>
2240     <property name="position">5</property>
2241   </packing>
2242 </child>
2243 <child>
2244   <widget class="GtkScrolledWindow" id="scrolledwindow11">
2245     <property name="visible">True</property>
2246     <property name="can_focus">True</property>
2247     <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
2248     <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
2249   <child>
2250     <widget class="GtkTreeView" id="betreeview">
2251       <property name="visible">True</property>
2252       <property name="can_focus">True</property>
2253       <property name="enable_search">False</property>
2254     </widget>
2255   </child>
2256 </widget>
2257 <packing>
2258   <property name="position">6</property>
2259 </packing>
2260 </child>
2261 <child>
2262   <widget class="GtkHBox" id="hbox9">
2263     <property name="visible">True</property>
2264   <child>
2265     <widget class="GtkImage" id="activebeimage">
2266       <property name="visible">True</property>
2267       <property name="xpad">5</property>
2268       <property name="stock">gtk-missing-image</property>
2269     </widget>
2270     <packing>
2271       <property name="expand">False</property>
2272     </packing>
2273   </child>
2274 <child>
2275     <widget class="GtkLabel" id="bedescriptionlabel2">
2276       <property name="visible">True</property>
2277       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_M
2278       <property name="xalign">0</property>
2279       <property name="yalign">0</property>
2280       <property name="xpad">10</property>
2281       <property name="ypad">4</property>
2282       <property name="label" translatable="yes">Currently Active B
2283       <property name="use_markup">True</property>
2284     </widget>
2285     <packing>
2286       <property name="expand">False</property>
2287       <property name="position">1</property>
2288     </packing>
2289   </child>
2290 </widget>
2291 <packing>
2292   <property name="expand">False</property>
2293   <property name="padding">2</property>
2294   <property name="position">7</property>
2295 </packing>

```

```

2296     </child>
2297 </child>
2298 <widget class="GtkHSeparator" id="hseparator5">
2299   <property name="visible">True</property>
2300 </widget>
2301 <packing>
2302   <property name="expand">False</property>
2303   <property name="position">8</property>
2304 </packing>
2305 </child>
2306 </widget>
2307 <packing>
2308   <property name="position">1</property>
2309 </packing>
2310 </child>
2311 <child internal-child="action_area">
2312   <widget class="GtkHButtonBox" id="dialog-action_area18">
2313     <property name="visible">True</property>
2314     <property name="layout_style">GTK_BUTTONBOX_END</property>
2315     <child>
2316       <widget class="GtkButton" id="cancelbebutton">
2317         <property name="visible">True</property>
2318         <property name="can_focus">True</property>
2319         <property name="receives_default">True</property>
2320         <property name="label" translatable="yes">gtk-cancel</property>
2321         <property name="use_stock">True</property>
2322         <property name="label" translatable="yes">Cancel</property>
2323         <property name="response_id">0</property>
2324         <signal name="clicked" handler="on_cancel_be_clicked"/>
2325       </widget>
2326     </child>
2327     <child>
2328       <widget class="GtkButton" id="resetbebutton">
2329         <property name="visible">True</property>
2330         <property name="sensitive">False</property>
2331         <property name="can_focus">True</property>
2332         <property name="receives_default">True</property>
2333         <property name="label" translatable="yes">Reset</property>
2334         <property name="response_id">0</property>
2335         <signal name="clicked" handler="on_reset_be_clicked"/>
2336     </child>
2337     <widget class="GtkHBox" id="hbox18">
2338       <property name="visible">True</property>
2339       <child>
2340         <widget class="GtkAlignment" id="alignment7">
2341           <property name="visible">True</property>
2342           <child>
2343             <placeholder/>
2344           </child>
2345         </widget>
2346       </child>
2347       <child>
2348         <widget class="GtkImage" id="image5">
2349           <property name="visible">True</property>
2350           <property name="stock">gtk-undo</property>
2351           <property name="icon_size">2</property>
2352         </widget>
2353       </child>
2354     </packing>
2355     <property name="expand">False</property>
2356     <property name="position">1</property>
2357 </packing>
2358 </child>
2359 </child>
2360 <widget class="GtkLabel" id="labell6">
2361   <property name="visible">True</property>
2362   <property name="label" translatable="yes">_Reset</proper

```

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2351     <property name="use_underline">True</property>
2352 </widget>
2353 <packing>
2354   <property name="padding">2</property>
2355   <property name="position">2</property>
2356 </packing>
2357 </child>
2358 <child>
2359   <widget class="GtkAlignment" id="alignment8">
2360     <property name="visible">True</property>
2361     <child>
2362       <placeholder/>
2363     </child>
2364   </widget>
2365   <packing>
2366     <property name="position">3</property>
2367   </packing>
2368 </child>
2369 </widget>
2370 </child>
2371 #endif /* ! codereview */
2372 </widget>
2373 <packing>
2374   <property name="position">1</property>
2375 </packing>
2376 </child>
2377 <child>
2378   <widget class="GtkButton" id="okbebutton">
2379     <property name="visible">True</property>
2380     <property name="can_focus">True</property>
2381     <property name="receives_default">True</property>
2382     <property name="label" translatable="yes">gtk-ok</property>
2383     <property name="use_stock">True</property>
2384     <property name="label" translatable="yes">Ok</property>
2385     <property name="response_id">0</property>
2386     <signal name="clicked" handler="on_ok_be_clicked"/>
2387   </widget>
2388   <packing>
2389     <property name="position">2</property>
2390   </packing>
2391 </child>
2392 </widget>
2393 <packing>
2394   <property name="expand">False</property>
2395   <property name="pack_type">GTK_PACK_END</property>
2396 </packing>
2397 </child>
2398 </widget>
2399 </child>
2400 <widget class="GtkDialog" id="repository">
2401   <property name="width_request">520</property>
2402   <property name="height_request">400</property>
2403   <property name="border_width">5</property>
2404   <property name="title" translatable="yes">Manage Repositories</property>
2405   <property name="resizable">False</property>
2406   <property name="modal">True</property>
2407   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2408   <property name="icon">PM_app_48x.png</property>
2409   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2410   <property name="transient_for">mainwindow</property>
2411   <property name="opacity">0.9999999977648257</property>
2412   <property name="has_separator">False</property>
2413   <child internal-child="vbox">
2414     <widget class="GtkVBox" id="dialog-vbox23">
2415       <property name="visible">True</property>

```

```

2416 <property name="spacing">16</property>
1662 <property name="spacing">2</property>
2417 <child>
2418 <widget class="GtkVBox" id="vbox17">
2419 <property name="visible">True</property>
2420 <child>
2421 <widget class="GtkVBox" id="vbox18">
2422 <property name="visible">True</property>
2423 <property name="spacing">5</property>
2424 <child>
2425 <widget class="GtkLabel" id="label127">
2426 <property name="width_request">500</property>
2427 <property name="visible">True</property>
2428 <property name="xalign">0</property>
2429 <property name="yalign">0</property>
2430 <property name="xpad">10</property>
2431 <property name="ypad">4</property>
2432 <property name="label" translatable="yes">Type the repositior
2433 <property name="wrap">True</property>
2434 </widget>
2435 </child>
2436 <child>
2437 <widget class="GtkHBox" id="hbox11">
2438 <property name="visible">True</property>
2439 <child>
2440 <widget class="GtkLabel" id="label128">
2441 <property name="width_request">80</property>
2442 <property name="visible">True</property>
2443 <property name="xalign">0</property>
2444 <property name="yalign">0</property>
2445 <property name="xpad">10</property>
2446 <property name="ypad">4</property>
2447 <property name="label" translatable="yes">_Name: </prope
2448 <property name="use_underline">True</property>
2449 <property name="mnemonic_widget">repositoryname</propert
2450 </widget>
2451 <packing>
2452 <property name="expand">False</property>
2453 <property name="padding">3</property>
2454 </packing>
2455 </child>
2456 <child>
2457 <widget class="GtkEntry" id="repositoryname">
2458 <property name="width_request">320</property>
2459 <property name="visible">True</property>
2460 <property name="can_focus">True</property>
2461 <signal name="changed" handler="on_repositoryname_change
2462 </widget>
2463 <packing>
2464 <property name="expand">False</property>
2465 <property name="padding">3</property>
2466 <property name="position">1</property>
2467 </packing>
2468 </child>
2469 </widget>
2470 <packing>
2471 <property name="position">1</property>
2472 </packing>
2473 </child>
2474 <child>
2475 <widget class="GtkHBox" id="hbox12">
2476 <property name="visible">True</property>
2477 <child>
2478 <widget class="GtkLabel" id="label121">
2479 <property name="width_request">80</property>
2480 <property name="visible">True</property>

```

```

2481 <property name="xalign">0</property>
2482 <property name="yalign">0</property>
2483 <property name="xpad">10</property>
2484 <property name="ypad">4</property>
2485 <property name="label" translatable="yes">_URL: </proper
2486 <property name="use_underline">True</property>
2487 <property name="mnemonic_widget">repositoryurl</property>
2488 </widget>
2489 <packing>
2490 <property name="expand">False</property>
2491 <property name="padding">3</property>
2492 </packing>
2493 </child>
2494 <child>
2495 <widget class="GtkEntry" id="repositoryurl">
2496 <property name="width_request">320</property>
2497 <property name="visible">True</property>
2498 <property name="can_focus">True</property>
2499 <signal name="changed" handler="on_repositoryurl_changed
2500 </widget>
2501 <packing>
2502 <property name="expand">False</property>
2503 <property name="padding">3</property>
2504 <property name="position">1</property>
2505 </packing>
2506 </child>
2507 <child>
2508 <widget class="GtkButton" id="repositoryadd">
2509 <property name="width_request">50</property>
2510 <property name="visible">True</property>
2511 <property name="can_focus">True</property>
2512 <property name="receives_default">True</property>
2513 <property name="label" translatable="yes">_Add</property>
2514 <property name="use_underline">True</property>
2515 <property name="response_id">0</property>
2516 <signal name="clicked" handler="on_repositoryadd_clicked
2517 </widget>
2518 <packing>
2519 <property name="expand">False</property>
2520 <property name="fill">False</property>
2521 <property name="padding">10</property>
2522 <property name="position">2</property>
2523 </packing>
2524 </child>
2525 </widget>
2526 <packing>
2527 <property name="position">2</property>
2528 </packing>
2529 </child>
2530 </widget>
2531 <packing>
2532 <property name="expand">False</property>
2533 <property name="fill">False</property>
2534 </packing>
2535 </child>
2536 <child>
2537 <widget class="GtkLabel" id="label126">
2538 <property name="width_request">500</property>
2539 <property name="visible">True</property>
2540 <property name="xalign">0</property>
2541 <property name="yalign">0</property>
2542 <property name="xpad">10</property>
2543 <property name="ypad">4</property>
2544 <property name="label" translatable="yes">Select from the list t
2545 <property name="wrap">True</property>
2546 </widget>

```

```

2547     <packing>
2548     <property name="expand">False</property>
2549     <property name="padding">10</property>
2550     <property name="position">1</property>
2551 </packing>
2552 </child>
2553 <child>
2554     <widget class="GtkHBox" id="hbox13">
2555     <property name="visible">True</property>
2556     <child>
2557     <widget class="GtkScrolledWindow" id="scrolledwindow15">
2558     <property name="visible">True</property>
2559     <property name="can_focus">True</property>
2560     <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
2561     <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
2562     <child>
2563     <widget class="GtkTreeView" id="repositorytreeview">
2564     <property name="visible">True</property>
2565     <property name="can_focus">True</property>
2566     <signal name="move_cursor" handler="on_repositorytreevie
2567     <signal name="button_release_event" handler="on_reposito
2568     </widget>
2569     </child>
2570 </widget>
2571 <packing>
2572     <property name="padding">10</property>
2573 </packing>
2574 </child>
2575 <child>
2576     <widget class="GtkVButtonBox" id="vbuttonbox1">
2577     <property name="visible">True</property>
2578     <property name="spacing">5</property>
2579     <property name="layout_style">GTK_BUTTONBOX_START</property>
2580     <child>
2581     <widget class="GtkButton" id="repositorymodify">
2582     <property name="visible">True</property>
2583     <property name="can_focus">True</property>
2584     <property name="receives_default">True</property>
2585     <property name="label" translatable="yes">_Modify...</pr
2586     <property name="use_underline">True</property>
2587     <property name="response_id">0</property>
2588     <signal name="clicked" handler="on_repositorymodify_clic
2589     </widget>
2590 </child>
2591 <child>
2592     <widget class="GtkButton" id="repositoryremove">
2593     <property name="visible">True</property>
2594     <property name="can_focus">True</property>
2595     <property name="receives_default">True</property>
2596     <property name="label" translatable="yes">_Remove</prope
2597     <property name="use_underline">True</property>
2598     <property name="response_id">0</property>
2599     <signal name="clicked" handler="on_repositoryremove_clic
2600     </widget>
2601     <packing>
2602     <property name="position">1</property>
2603 </packing>
2604 </child>
2605 </widget>
2606 <packing>
2607     <property name="expand">False</property>
2608     <property name="pack_type">GTK_PACK_END</property>
2609     <property name="position">1</property>
2610 </packing>
2611 </child>
2612 </widget>

```

```

2613     <packing>
2614     <property name="position">2</property>
2615 </packing>
2616 </child>
2617 <child>
2618     <widget class="GtkHSeparator" id="hseparator14">
2619     <property name="visible">True</property>
2620 </widget>
2621 <packing>
2622     <property name="expand">False</property>
2623     <property name="padding">10</property>
2624     <property name="position">3</property>
2625 </packing>
2626 </child>
2627 </widget>
2628 <packing>
2629     <property name="position">1</property>
2630 </packing>
2631 </child>
2632 <child internal-child="action_area">
2633     <widget class="GtkHButtonBox" id="dialog-action_area23">
2634     <property name="visible">True</property>
2635     <property name="layout_style">GTK_BUTTONBOX_END</property>
2636     <child>
2637     <widget class="GtkButton" id="repositoryclose">
2638     <property name="visible">True</property>
2639     <property name="can_focus">True</property>
2640     <property name="receives_default">True</property>
2641     <property name="label" translatable="yes">gtk-close</property>
2642     <property name="use-stock">True</property>
2643     <property name="label" translatable="yes">_Close</property>
2644     <property name="use_underline">True</property>
2645     <property name="response_id">0</property>
2646     <signal name="clicked" handler="on_repositoryclose_clicked"/>
2647     </widget>
2648 </child>
2649 </widget>
2650 <packing>
2651     <property name="expand">False</property>
2652     <property name="pack_type">GTK_PACK_END</property>
2653 </packing>
2654 </child>
2655 </widget>
2656 </child>
2657 <widget class="GtkDialog" id="beconfirmationdialog">
2658     <property name="width_request">500</property>
2659     <property name="height_request">500</property>
2660     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
2661     <property name="border_width">5</property>
2662     <property name="title" translatable="yes">BE Management Changes Confirmation
2663     <property name="modal">True</property>
2664     <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2665     <property name="icon">PM_app_48x.png</property>
2666     <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2667     <property name="deletable">False</property>
2668     <property name="transient_for">beadmin</property>
2669     <property name="has_separator">False</property>
2670     <child internal-child="vbox">
2671     <widget class="GtkVBox" id="dialog-vbox21">
2672     <property name="visible">True</property>
2673     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
2674     <property name="spacing">16</property>
2675 </child>
2676     <widget class="GtkVBox" id="vbox19">
2677     <property name="visible">True</property>

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```

2667 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2668 #endif /* ! codereview */
2669 <property name="spacing">5</property>
2670 <child>
2671 <widget class="GtkHBox" id="hbox8">
2672 <property name="visible">True</property>
2673 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2674 <property name="spacing">10</property>
2675 <child>
2676 <widget class="GtkImage" id="image1">
2677 <property name="visible">True</property>
2678 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
2679 <property name="stock">gtk-dialog-warning</property>
2680 <property name="icon_size">5</property>
2681 </widget>
2682 <packing>
2683 <property name="expand">False</property>
2684 <property name="fill">False</property>
2685 </packing>
2686 </child>
2687 <child>
2688 <widget class="GtkLabel" id="label14">
2689 <property name="visible">True</property>
2690 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
2691 <property name="xalign">0</property>
2692 <property name="yalign">0</property>
2693 <property name="label" translatable="yes">Review the informa
2694 Click OK to proceed.
2695 Click Cancel to return to the Boot Environment
2696 Management panel.

2698 Note: Changes will occur upon reboot.</property>
2699 <property name="use_markup">True</property>
2700 <property name="wrap">True</property>
2701 </widget>
2702 <packing>
2703 <property name="position">1</property>
2704 </packing>
2705 </child>
2706 </widget>
2707 <packing>
2708 <property name="expand">False</property>
2709 <property name="padding">15</property>
1919 <property name="position">1</property>
2710 </packing>
2711 </child>
2712 <child>
2713 <widget class="GtkLabel" id="packagenamelabel4">
2714 <property name="visible">True</property>
2715 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2716 <property name="xalign">0</property>
2717 <property name="yalign">0</property>
2718 <property name="label" translatable="yes">&lt;b>Boot Environm
2719 <property name="use_markup">True</property>
2720 </widget>
2721 <packing>
2722 <property name="expand">False</property>
2723 <property name="position">1</property>
1933 <property name="position">2</property>
2724 </packing>
2725 </child>
2726 <child>
2727 <widget class="GtkScrolledWindow" id="scrolledwindow14">
2728 <property name="visible">True</property>
2729 <property name="can_focus">True</property>
2730 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO

```

```

2731 <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
2732 <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</propert
2733 <child>
2734 <widget class="GtkTreeView" id="beconfirmtreeview">
2735 <property name="visible">True</property>
2736 <property name="sensitive">False</property>
2737 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
2738 <property name="headers_visible">False</property>
2739 <property name="enable_search">False</property>
2740 </widget>
2741 </child>
2742 </widget>
2743 <packing>
2744 <property name="padding">6</property>
2745 <property name="position">2</property>
1955 <property name="position">3</property>
2746 </packing>
2747 </child>
2748 <child>
2749 <widget class="GtkLabel" id="packagenamelabel6">
2750 <property name="visible">True</property>
2751 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2752 <property name="xalign">0</property>
2753 <property name="yalign">0</property>
2754 <property name="label" translatable="yes">&lt;b>Active Boot E
2755 <property name="use_markup">True</property>
2756 </widget>
2757 <packing>
2758 <property name="expand">False</property>
2759 <property name="position">3</property>
1969 <property name="position">4</property>
2760 </packing>
2761 </child>
2762 <child>
2763 <widget class="GtkLabel" id="beconfirmationdefault">
2764 <property name="visible">True</property>
2765 <property name="sensitive">False</property>
2766 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2767 <property name="xalign">0</property>
2768 <property name="yalign">0</property>
2769 <property name="label" translatable="yes">
2770 </property>
2771 <property name="use_markup">True</property>
2772 </widget>
2773 <packing>
2774 <property name="expand">False</property>
2775 <property name="position">4</property>
1985 <property name="position">5</property>
2776 </packing>
2777 </child>
2778 <child>
2779 <widget class="GtkLabel" id="packagenamelabel1">
2780 <property name="visible">True</property>
2781 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2782 <property name="xalign">0</property>
2783 <property name="yalign">0</property>
2784 <property name="label" translatable="yes">&lt;b>Summary&lt;/b>
2785 <property name="use_markup">True</property>
2786 </widget>
2787 <packing>
2788 <property name="expand">False</property>
2789 <property name="position">5</property>
1999 <property name="position">6</property>
2790 </packing>
2791 </child>
2792 <child>

```

```

2793     <widget class="GtkLabel" id="beconfirmationsummary">
2794         <property name="visible">True</property>
2795         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2796         <property name="xalign">0</property>
2797         <property name="yalign">0</property>
2798         <property name="use_markup">True</property>
2799     </widget>
2800     <packing>
2801         <property name="expand">False</property>
2802         <property name="position">6</property>
2803     </packing>
2804 </child>
2805 <child>
2806     <placeholder/>
2807 </child>
2808 <widget class="GtkHSeparator" id="hseparator10">
2809     <property name="visible">True</property>
2810     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2811 </widget>
2812 <packing>
2813     <property name="position">1</property>
2814     <property name="expand">False</property>
2815     <property name="padding">5</property>
2816     <property name="position">8</property>
2817 </packing>
2818 </child>
2819 <child>
2820     <placeholder/>
2821 </child>
2822 <child>
2823     <placeholder/>
2824 </child>
2825 <child>
2826     <placeholder/>
2827 </child>
2828 <child>
2829     <placeholder/>
2830 </child>
2831 <child>
2832     <placeholder/>
2833 </child>
2834 #endif /* ! codereview */
2835 <child internal-child="action_area">
2836     <widget class="GtkHButtonBox" id="dialog-action_area21">
2837         <property name="visible">True</property>
2838         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2839         <property name="layout_style">GTK_BUTTONBOX_END</property>
2840     <child>
2841         <widget class="GtkButton" id="cancel_be">
2842             <property name="visible">True</property>
2843             <property name="can_focus">True</property>
2844             <property name="receives_default">True</property>
2845             <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2846             <property name="label" translatable="yes">gtk-cancel</property>
2847             <property name="use_stock">True</property>
2848             <property name="label" translatable="yes">Cancel</property>
2849             <property name="response_id">0</property>
2850             <signal name="clicked" handler="on_cancel_be_conf_clicked"/>
2851     </widget>

```

```

2851     </child>
2852 <child>
2853     <widget class="GtkButton" id="ok_be">
2854         <property name="visible">True</property>
2855         <property name="can_focus">True</property>
2856         <property name="receives_default">True</property>
2857         <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
2858         <property name="label" translatable="yes">gtk-ok</property>
2859         <property name="use_stock">True</property>
2860         <property name="label" translatable="yes">OK</property>
2861         <property name="response_id">0</property>
2862         <signal name="clicked" handler="on_ok_be_conf_clicked"/>
2863     </widget>
2864     <packing>
2865         <property name="position">1</property>
2866     </packing>
2867 </child>
2868 </widget>
2869 <packing>
2870     <property name="expand">False</property>
2871     <property name="pack_type">GTK_PACK_END</property>
2872 </packing>
2873 </child>
2874 </widget>
2875 </child>
2876 <widget class="GtkDialog" id="repositorymodify">
2877     <property name="border_width">5</property>
2878     <property name="title" translatable="yes">Modify Repository</property>
2879     <property name="modal">True</property>
2880     <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2881     <property name="icon">PM_app_48x.png</property>
2882     <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2883     <property name="transient_for">repository</property>
2884     <property name="opacity">0.9999999977648257</property>
2885     <property name="has_separator">False</property>
2886     <child internal-child="vbox">
2887         <widget class="GtkVBox" id="dialog-vbox24">
2888             <property name="visible">True</property>
2889             <property name="spacing">16</property>
2890             <property name="spacing">2</property>
2891         </widget>
2892         <child>
2893             <widget class="GtkVBox" id="vbox16">
2894                 <property name="visible">True</property>
2895                 <property name="spacing">5</property>
2896             </child>
2897             <child>
2898                 <widget class="GtkLabel" id="label22">
2899                     <property name="visible">True</property>
2900                     <property name="xalign">0</property>
2901                     <property name="yalign">0</property>
2902                     <property name="xpad">10</property>
2903                     <property name="ypad">2</property>
2904                     <property name="label" translatable="yes">&lt;b>Modify Reposi
2905                     <property name="use_markup">True</property>
2906                 </widget>
2907             </child>
2908             <child>
2909                 <widget class="GtkHBox" id="hbox10">
2910                     <property name="visible">True</property>
2911                 </widget>
2912                 <child>
2913                     <widget class="GtkLabel" id="label24">
2914                         <property name="width_request">80</property>
2915                         <property name="visible">True</property>
2916                         <property name="xalign">0</property>
2917                         <property name="yalign">0</property>
2918                         <property name="xpad">10</property>

```

```

2915     <property name="ypad">4</property>
2916     <property name="label" translatable="yes">_Name: </property>
2917     <property name="use_underline">True</property>
2918     <property name="mnemonic_widget">repositorymodifyname</prope
2919 </widget>
2920 <packing>
2921 <property name="expand">False</property>
2922 <property name="padding">3</property>
2923 </packing>
2924 </child>
2925 <child>
2926 <widget class="GtkEntry" id="repositorymodifyname">
2927 <property name="width_request">320</property>
2928 <property name="visible">True</property>
2929 <property name="can_focus">True</property>
2930 </widget>
2931 <packing>
2932 <property name="expand">False</property>
2933 <property name="padding">3</property>
2934 <property name="position">1</property>
2935 </packing>
2936 </child>
2937 </widget>
2938 <packing>
2939 <property name="position">1</property>
2940 </packing>
2941 </child>
2942 <child>
2943 <widget class="GtkHBox" id="hbox14">
2944 <property name="visible">True</property>
2945 <child>
2946 <widget class="GtkLabel" id="label125">
2947 <property name="width_request">80</property>
2948 <property name="visible">True</property>
2949 <property name="xalign">0</property>
2950 <property name="yalign">0</property>
2951 <property name="xpad">10</property>
2952 <property name="ypad">4</property>
2953 <property name="label" translatable="yes">_URL: </property>
2954 <property name="use_underline">True</property>
2955 <property name="mnemonic_widget">repositorymodifyurl</proper
2956 </widget>
2957 <packing>
2958 <property name="expand">False</property>
2959 <property name="padding">3</property>
2960 </packing>
2961 </child>
2962 <child>
2963 <widget class="GtkEntry" id="repositorymodifyurl">
2964 <property name="width_request">320</property>
2965 <property name="visible">True</property>
2966 <property name="can_focus">True</property>
2967 </widget>
2968 <packing>
2969 <property name="expand">False</property>
2970 <property name="padding">3</property>
2971 <property name="position">1</property>
2972 </packing>
2973 </child>
2974 </widget>
2975 <packing>
2976 <property name="position">2</property>
2977 </packing>
2978 </child>
2157 <child>
2158 <widget class="GtkHSeparator" id="hseparator11">

```

```

2159     <property name="visible">True</property>
2160 </widget>
2161 <packing>
2162 <property name="expand">False</property>
2163 <property name="padding">10</property>
2164 <property name="position">3</property>
2165 </packing>
2166 </child>
2979 </widget>
2980 <packing>
2981 <property name="expand">False</property>
2982 <property name="fill">False</property>
2983 <property name="position">1</property>
2984 </packing>
2985 </child>
2986 <child internal-child="action_area">
2987 <widget class="GtkHButtonBox" id="dialog-action_area24">
2988 <property name="visible">True</property>
2989 <property name="layout_style">GTK_BUTTONBOX_END</property>
2990 <child>
2991 <widget class="GtkButton" id="repositorymodifycancel">
2992 <property name="visible">True</property>
2993 <property name="can_focus">True</property>
2994 <property name="receives_default">True</property>
2995 <property name="label" translatable="yes">gtk-cancel</property>
2996 <property name="use_stock">True</property>
2183 <property name="label" translatable="yes">_Cancel</property>
2184 <property name="use_underline">True</property>
2997 <property name="response_id">0</property>
2998 <signal name="clicked" handler="on_repositorymodifycancel_clicke
2999 </widget>
3000 </child>
3001 <child>
3002 <widget class="GtkButton" id="repositorymodifyok">
3003 <property name="visible">True</property>
3004 <property name="can_focus">True</property>
3005 <property name="receives_default">True</property>
3006 <property name="label" translatable="yes">gtk-ok</property>
3007 <property name="use_stock">True</property>
2194 <property name="label" translatable="yes">_OK</property>
2195 <property name="use_underline">True</property>
3008 <property name="response_id">0</property>
3009 <signal name="clicked" handler="on_repositorymodifyok_clicked"/>
3010 </widget>
3011 <packing>
3012 <property name="position">1</property>
3013 </packing>
3014 </child>
3015 </widget>
3016 <packing>
3017 <property name="expand">False</property>
3018 <property name="pack_type">GTK_PACK_END</property>
3019 </packing>
3020 </child>
3021 </widget>
3022 </child>
3023 </widget>
3024 <widget class="GtkDialog" id="errordialog">
3025 <property name="width_request">400</property>
3026 <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HINT_MA
3027 <property name="border_width">5</property>
3028 <property name="title" translatable="yes">Plan creation error.</property>
3029 <property name="resizable">False</property>
3030 <property name="modal">True</property>
3031 <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
3032 <property name="icon">PM_app_48x.png</property>

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```

3033 <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
3034 <property name="deletable">False</property>
3035 <property name="transient_for">mainwindow</property>
3036 <property name="has_separator">False</property>
3037 <child internal-child="vbox">
3038   <widget class="GtkVBox" id="dialog-vbox20">
3039     <property name="visible">True</property>
3040     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION_HIN
3041     <property name="spacing">16</property>
2229     <property name="spacing">2</property>
3042   </child>
3043   <widget class="GtkVBox" id="vbox5">
3044     <property name="visible">True</property>
3045     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
3046     <property name="spacing">10</property>
3047   </child>
3048   <widget class="GtkHBox" id="hbox1">
3049     <property name="visible">True</property>
3050   </child>
3051     <widget class="GtkVBox" id="vbox11">
3052       <property name="visible">True</property>
3053     </child>
3054       <widget class="GtkImage" id="image3">
3055         <property name="visible">True</property>
3056         <property name="stock">gtk-dialog-error</property>
3057         <property name="icon_size">5</property>
3058       </widget>
3059       <packing>
3060         <property name="expand">False</property>
3061       </packing>
3062     </child>
2251   </child>
2252     <placeholder/>
2253   </child>
3063 </widget>
3064 <packing>
3065   <property name="expand">False</property>
3066 </packing>
3067 </child>
3068 </child>
3069   <widget class="GtkLabel" id="errortext">
3070     <property name="visible">True</property>
3071     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
3072     <property name="xalign">0</property>
3073     <property name="yalign">0</property>
3074     <property name="label" translatable="yes">Update All failure
3075     <property name="wrap">True</property>
3076   </widget>
3077   <packing>
3078     <property name="padding">20</property>
3079     <property name="position">1</property>
3080   </packing>
3081 </child>
3082 </widget>
3083 <packing>
3084   <property name="padding">10</property>
3085 </packing>
3086 </child>
3087 </child>
3088   <widget class="GtkExpander" id="expander5">
3089     <property name="visible">True</property>
3090     <property name="can_focus">True</property>
3091     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
3092   </child>
3093     <widget class="GtkScrolledWindow" id="scrolledwindow12">
3094       <property name="visible">True</property>

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3095   <property name="can_focus">True</property>
3096   <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
3097   <property name="hscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
3098   <property name="vscrollbar_policy">GTK_POLICY_AUTOMATIC</pro
3099 </child>
3100   <widget class="GtkTextView" id="errortextdetails">
3101     <property name="height_request">250</property>
3102     <property name="visible">True</property>
3103     <property name="can_focus">True</property>
3104     <property name="events">GDK_POINTER_MOTION_MASK | GDK_PO
3105     <property name="editable">False</property>
3106   </widget>
3107 </child>
3108 </widget>
3109 </child>
3110 <child>
3111   <widget class="GtkLabel" id="label7">
3112     <property name="visible">True</property>
3113     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER
3114     <property name="label" translatable="yes">Show Details</prop
3115   </widget>
3116   <packing>
3117     <property name="type">label_item</property>
3118   </packing>
3119 </child>
3120 </widget>
3121 <packing>
3122   <property name="position">1</property>
3123 </packing>
3124 </child>
2316 </child>
2317   <widget class="GtkHSeparator" id="hseparator6">
2318     <property name="visible">True</property>
2319     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MO
3125   </widget>
3126   <packing>
3127     <property name="position">1</property>
3222     <property name="expand">False</property>
2323     <property name="position">2</property>
3128 </packing>
3129 </child>
3130 </child internal-child="action_area">
3131   <widget class="GtkHButtonBox" id="dialog-action_area20">
2326   </child>
2327     <widget class="GtkHButtonBox" id="hbuttonbox1">
3132     <property name="visible">True</property>
3133     <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
3134   #endif /* ! codereview */
3135   <property name="layout_style">GTK_BUTTONBOX_END</property>
3136 </child>
3137   <widget class="GtkButton" id="error_close">
3138     <property name="visible">True</property>
3139     <property name="can_focus">True</property>
3140     <property name="receives_default">True</property>
3141     <property name="label" translatable="yes">gtk-close</property>
3142     <property name="use_stock">True</property>
3143     <property name="response_id">0</property>
3144     <signal name="clicked" handler="on_error_close_clicked"/>
3145   </widget>
3146 </child>
3147 </widget>
3148 <packing>
3149   <property name="expand">False</property>
2329   <property name="position">3</property>
2330 </packing>
2331 </child>

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```

2332     </widget>
2333     <packing>
2334       <property name="position">1</property>
2335     </packing>
2336   </child>
2337   <child internal-child="action_area">
2338     <widget class="GtkHButtonBox" id="dialog-action_area20">
2339       <property name="visible">True</property>
2340       <property name="events">GDK_POINTER_MOTION_MASK | GDK_POINTER_MOTION
2341       <property name="layout_style">GTK_BUTTONBOX_END</property>
2342     </widget>
2343     <packing>
2344       <property name="expand">False</property>
2345       <property name="pack_type">GTK_PACK_END</property>
2346     </packing>
2347   </child>
2348 </widget>
2349 <widget class="GtkDialog" id="ua_confirm_dialog">
2350   <property name="border_width">5</property>
2351   <property name="title" translatable="yes">Update All</property>
2352   <property name="resizable">False</property>
2353   <property name="modal">True</property>
2354   <property name="window_position">GTK_WIN_POS_CENTER_ON_PARENT</property>
2355   <property name="icon">PM_app_48x.png</property>
2356   <property name="type_hint">GDK_WINDOW_TYPE_HINT_DIALOG</property>
2357   <property name="transient_for">mainwindow</property>
2358   <property name="has_separator">False</property>
2359   <child internal-child="vbox">
2360     <widget class="GtkVBox" id="dialog-vbox15">
2361       <property name="visible">True</property>
2362       <property name="spacing">16</property>
2363     </widget>
2364     <property name="spacing">2</property>
2365   </child>
2366   <widget class="GtkVBox" id="vbox12">
2367     <property name="visible">True</property>
2368     <property name="border_width">5</property>
2369     <property name="spacing">4</property>
2370   </child>
2371     <widget class="GtkLabel" id="label16">
2372       <property name="visible">True</property>
2373       <property name="label" translatable="yes">&lt;b>Create New Bo
2374
2375 Update All will create a new boot environment (BE) as a means
2376 of archiving older software and sets it to be the default BE when
2377 rebooting.
2378
2379 An updated clone of the active BE is about to be created.</property>
2380   <property name="use_markup">True</property>
2381   <property name="wrap_mode">PANGO_WRAP_WORD_CHAR</property>
2382 </widget>
2383   <packing>
2384     <property name="padding">5</property>
2385 </packing>
2386 </child>
2387 <child>
2388   <widget class="GtkHBox" id="hbox7">
2389     <property name="visible">True</property>
2390   </child>
2391     <widget class="GtkLabel" id="label11">
2392       <property name="label" translatable="yes">&lt;b>Boot Envi
2393       <property name="use_markup">True</property>
2394       <property name="justify">GTK_JUSTIFY_RIGHT</property>
2395     </widget>
2396   <packing>

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3202       <property name="expand">False</property>
3203       <property name="fill">False</property>
3204     </packing>
3205   </child>
3206   <child>
3207     <widget class="GtkEntry" id="ua_be_name_entry">
3208       <property name="can_focus">True</property>
3209     </widget>
3210     <packing>
3211       <property name="position">1</property>
3212     </packing>
3213   </child>
3214 </widget>
3215 <packing>
3216   <property name="position">1</property>
3217 </packing>
3218 </child>
3219 <child>
3220   <widget class="GtkHSeparator" id="hseparator7">
3221     <property name="visible">True</property>
3222   </widget>
3223   <packing>
3224     <property name="expand">False</property>
3225     <property name="padding">4</property>
3226     <property name="position">2</property>
3227   </packing>
3228 </child>
3229 </widget>
3230 <packing>
3231   <property name="padding">2</property>
3232   <property name="position">1</property>
3233 </packing>
3234 </child>
3235 <child internal-child="action_area">
3236   <widget class="GtkHButtonBox" id="dialog-action_area15">
3237     <property name="visible">True</property>
3238     <property name="layout_style">GTK_BUTTONBOX_END</property>
3239   </child>
3240     <widget class="GtkButton" id="ua_cancel_button">
3241       <property name="visible">True</property>
3242       <property name="can_focus">True</property>
3243       <property name="receives_default">True</property>
3244       <property name="label" translatable="yes">gtk-cancel</property>
3245       <property name="use_stock">True</property>
3246       <property name="label" translatable="yes">_Cancel</property>
3247       <property name="use_underline">True</property>
3248       <property name="response_id">0</property>
3249       <signal name="clicked" handler="on_ua_cancel_button_clicked"/>
3250     </widget>
3251   </child>
3252 </child>
3253   <child>
3254     <widget class="GtkButton" id="ua_proceed_button">
3255       <property name="visible">True</property>
3256       <property name="can_focus">True</property>
3257       <property name="receives_default">True</property>
3258       <property name="response_id">0</property>
3259       <signal name="clicked" handler="on_ua_proceed_button_clicked"/>
3260     </child>
3261     <widget class="GtkHBox" id="hbox17">
3262       <property name="visible">True</property>
3263     </child>
3264     <widget class="GtkAlignment" id="alignment10">
3265       <property name="visible">True</property>
3266     </child>
3267     <placeholder/>
3268   </child>

```

```
3256     </widget>
3257   </child>
3258   <child>
3259     <widget class="GtkImage" id="image4">
3260       <property name="visible">True</property>
3261       <property name="stock">gtk-ok</property>
3262     </widget>
3263     <packing>
3264       <property name="expand">False</property>
3265       <property name="position">1</property>
3266     </packing>
3267   </child>
3268   <child>
3269     <widget class="GtkLabel" id="label15">
3270       <property name="visible">True</property>
3271 #endif /* ! codereview */
3272       <property name="label" translatable="yes">_Proceed</prop
3273       <property name="use_underline">True</property>
3274     </widget>
3275     <packing>
3276       <property name="padding">2</property>
3277       <property name="position">2</property>
3278     </packing>
3279   </child>
3280   <child>
3281     <widget class="GtkAlignment" id="alignment11">
3282       <property name="visible">True</property>
3283       <child>
3284         <placeholder/>
3285       </child>
3286     </widget>
3287     <packing>
3288       <property name="position">3</property>
3289     </packing>
3290   </child>
3291 </widget>
3292 </child>
2450 <property name="response_id">0</property>
2451 <signal name="clicked" handler="on_ua_proceed_button_clicked"/>
3293 </widget>
3294 <packing>
3295   <property name="position">1</property>
3296 </packing>
3297 </child>
3298 </widget>
3299 <packing>
3300   <property name="expand">False</property>
3301   <property name="pack_type">GTK_PACK_END</property>
3302 </packing>
3303 </child>
3304 </widget>
3305 </child>
3306 </widget>
3307 </glade-interface>
```

```

*****
122049 Tue Dec 2 11:47:25 2008
new/src/packagemanager.py
*** NO COMMENTS ***
*****
1 #!/usr/bin/python2.4
2 #
3 # CDDL HEADER START
4 #
5 # The contents of this file are subject to the terms of the
6 # Common Development and Distribution License (the "License").
7 # You may not use this file except in compliance with the License.
8 #
9 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
10 # or http://www.opensolaris.org/os/licensing.
11 # See the License for the specific language governing permissions
12 # and limitations under the License.
13 #
14 # When distributing Covered Code, include this CDDL HEADER in each
15 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
16 # If applicable, add the following below this CDDL HEADER, with the
17 # fields enclosed by brackets "[]" replaced with your own identifying
18 # information: Portions Copyright [yyyy] [name of copyright owner]
19 #
20 # CDDL HEADER END
21 #
22 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
23 # Use is subject to license terms.
24 #

26 # Progress:
27 # Startup Progress has two phases:
28 # - Start phase:
29 #   The start phase should be fairly constant at around a few seconds and so is
30 #   of the total progress bar.
31 # - Package entry loading phase:
32 #   The package entry loading phase is given the remaining 95% of the bar for pr

34 INITIAL_PROGRESS_TIME_INTERVAL = 0.5 # Time to update progress during start
35 INITIAL_PROGRESS_TIME_PERCENTAGE = 0.005 # Amount to update progress during sta
36 INITIAL_PROGRESS_TOTAL_PERCENTAGE = 0.05 # Total progress for start phase
37 PACKAGE_PROGRESS_TOTAL_INCREMENTS = 95 # Total increments for loading phase
38 PACKAGE_PROGRESS_PERCENT_INCREMENT = 0.01 # Amount to update progress during loa
39 PACKAGE_PROGRESS_PERCENT_TOTAL = 1.0 # Total progress for loading phase
40 MAX_DESC_LEN = 60 # Max length of the description
41 MAX_INFO_CACHE_LIMIT = 100 # Max number of package descriptions t
42 TYPE_AHEAD_DELAY = 600 # Time of the last type in search box after which sear

44 CLIENT_API_VERSION = 4
45 PKG_CLIENT_NAME = "packagemanager"

47 import getopt
48 import os
49 import sys
50 import time
51 import locale
52 import urlparse
53 import socket
54 import gettext
55 from threading import Thread
56 from urllib2 import HTTPError, URLError

58 try:
59     import gobject
60     import gnome
61     gobject.threads_init()

```

```

62     import gtk
63     import gtk.glade
64     import pygtk
65     pygtk.require("2.0")
66 except ImportError:
67     sys.exit(1)
68 import pkg.client.history as history
69 import pkg.client.image as image
70 import pkg.client.progress as progress
71 import pkg.client.api_errors as api_errors
72 import pkg.client.api as api
73 import pkg.client.retrieve as retrieve
74 import pkg.portable as portable
75 import pkg.gui.repository as repository
76 import pkg.gui.beadmin as beadm
77 import pkg.gui.imageinfo as imageinfo
78 import pkg.gui.installupdate as installupdate
79 import pkg.gui.enumerations as enumerations
80 from pkg.client import global_settings

82 # Put _() in the global namespace
83 import __builtin__
84 __builtin__.__ = gettext.gettext

86 class PackageManager:
87     def __init__(self):
88         self.api_o = None
89         socket.setdefaulttimeout(
90             int(os.environ.get("PKG_CLIENT_TIMEOUT", "30"))) # in second

92         # Override default PKG_TIMEOUT_MAX if a value has been specified
93         # in the environment.
94         global_settings.PKG_TIMEOUT_MAX = int(os.environ.get("PKG_TIMEOU
95             global_settings.PKG_TIMEOUT_MAX))

97         global_settings.client_name = PKG_CLIENT_NAME

98
99     try:
100         self.application_dir = os.environ["PACKAGE_MANAGER_ROOT"]
101     except KeyError:
102         self.application_dir = "/"
103         locale.setlocale(locale.LC_ALL, '')
104         for module in (gettext, gtk.glade):
105             module.bindtextdomain("pkg", self.application_dir + \
106                 "/usr/share/locale")
107             module.textdomain("pkg")
108         # XXX Remove and use _() where self._ and self.parent._ are bein
109         self._ = gettext.gettext
110         main_window_title = self._('Package Manager')
111         self.user_rights = portable.is_admin()
112         self.cancelled = False # For background proce
113         self.image_directory = None
114         self.description_thread_running = False # For background proce
115         self.pkginfo_thread = -1 # For background proce
116         gtk.rc_parse('~/.gtkrc-1.2-gnome2')
117         self.main_clipboard_text = None
118         self.ipkg_fmri = "SUNWipkg"
119         self.ipkggui_fmri = "SUNWipkg-gui"
120         self.progress_stop_timer_thread = False
121         self.progress_fraction_time_count = 0
122         self.progress_canceled = False
123         self.ips_uptodate = False
124         self.image_dir_arg = None
125         self.application_path = None
126         self.first_run = True
127         self.provided_image_dir = True

```

```

128 self.selected_pkgname = None
129 self.info_cache = {}
130
131 self.section_list = self.__get_new_section_liststore()
132 self.filter_list = self.__get_new_filter_liststore()
133 self.application_list = None
134 self.category_list = None
135 self.repositories_list = None
136
137 self.pr = progress.NullProgressTracker()
138
139 # Create Widgets and show gui
140
141 self.gladefile = self.application_dir + \
142     "/usr/share/package-manager/packagemanager.glade"
143 w_tree_main = gtk.glade.XML(self.gladefile, "mainwindow")
144 w_tree_progress = gtk.glade.XML(self.gladefile, "progressdialog")
145
146 self.w_main_window = w_tree_main.get_widget("mainwindow")
147 self.w_application_treeview = \
148     w_tree_main.get_widget("applicationtreeview")
149 self.w_categories_treeview = w_tree_main.get_widget("categories")
150 self.w_info_notebook = w_tree_main.get_widget("notebook1")
151 self.w_generalinfo_textview = \
152     w_tree_main.get_widget("generalinfotextview")
153 self.w_installedfiles_textview = \
154     w_tree_main.get_widget("installedfilestextview")
155 self.w_license_textview = \
156     w_tree_main.get_widget("licensetextview")
157 self.w_dependencies_textview = \
158     w_tree_main.get_widget("dependenciestextview")
159 self.w_package_name_label = w_tree_main.get_widget("packagenamela")
160 self.w_shortdescription_label = \
161     w_tree_main.get_widget("shortdescriptionlabel")
162 self.w_searchentry_dialog = w_tree_main.get_widget("searchentry")
163 self.w_installupdate_button = \
164     w_tree_main.get_widget("install_update_button")
165 self.w_remove_button = w_tree_main.get_widget("remove_button")
166 self.w_updateall_button = w_tree_main.get_widget("update_all_but")
167 self.w_reload_button = w_tree_main.get_widget("reloadbutton")
168 self.w_repository_combobox = w_tree_main.get_widget("repositoryc")
169 self.w_sections_combobox = w_tree_main.get_widget("sectionscombo")
170 self.w_filter_combobox = w_tree_main.get_widget("filtercombobox")
171 self.w_packageicon_image = w_tree_main.get_widget("packageimage")
172 self.w_main_statusbar = w_tree_main.get_widget("statusbar")
173 self.w_installupdate_menuitem = \
174     w_tree_main.get_widget("package_install_update")
175 self.w_remove_menuitem = w_tree_main.get_widget("package_remove")
176 self.w_updateall_menuitem = w_tree_main.get_widget("package_upda")
177 self.w_cut_menuitem = w_tree_main.get_widget("edit_cut")
178 self.w_copy_menuitem = w_tree_main.get_widget("edit_copy")
179 self.w_paste_menuitem = w_tree_main.get_widget("edit_paste")
180 self.w_clear_menuitem = w_tree_main.get_widget("edit_clear")
181 self.w_selectall_menuitem = w_tree_main.get_widget("edit_select_")
182 self.w_selectupdates_menuitem = \
183     w_tree_main.get_widget("edit_select_updates")
184 self.w_deselect_menuitem = w_tree_main.get_widget("edit_deselect")
185 self.w_main_clipboard = gtk.clipboard_get(gtk.gdk.SELECTION_CLIP)
186
187 self.w_progress_dialog = w_tree_progress.get_widget("progressdia")
188 self.w_progress_dialog.set_title(self._("Update All"))
189 self.w_progressinfo_label = w_tree_progress.get_widget("progress")
190 self.w_progressinfo_label.set_text(self._( \
191     "Checking SUNWipkg and SUNWipkg-gui versions\n\nPlease wait"))
192 self.w_progressbar = w_tree_progress.get_widget("progressbar")
193 self.w_progressbar.set_pulse_step(0.1)

```

```

194 self.w_progress_cancel = w_tree_progress.get_widget("progresscan")
195 self.w_progress_canceled = False
196 clear_search_image = w_tree_main.get_widget("clear_image")
197 clear_search_image.set_from_stock(gtk.STOCK_CLEAR, gtk.ICON_SIZE)
198 toolbar = w_tree_main.get_widget("toolbar2")
199 toolbar.set_expand(True)
200 w_whats_new_button = w_tree_main.get_widget("whats_new_button")
201 #The whats new button hidden as this is not yet available
202 w_whats_new_button.set_visible_horizontal(False)
203 w_whats_new_button.set_visible_vertical(False)
204 #endif /* ! codereview */
205
206 self.__update_reload_button()
207 self.w_main_clipboard.request_text(self.__clipboard_text_receive)
208 self.w_main_window.set_title(main_window_title)
209
210 try:
211     dic_mainwindow = \
212     {
213         "on_mainwindow_delete_event": \
214             self.__on_mainwindow_delete_event,
215         "on_searchentry_changed":self.__on_searchentry_c
216         "on_searchentry_focus_in_event": \
217             self.__on_searchentry_focus_in,
218         "on_searchentry_focus_out_event": \
219             self.__on_searchentry_focus_out,
220         "on_searchentry_event":self.__on_searchentry_eve
221         "on_sectionscombobox_changed": \
222             self.__on_sectionscombobox_changed,
223         "on_filtercombobox_changed": \
224             self.__on_filtercombobox_changed,
225         "on_repositorycombobox_changed": \
226             self.__on_repositorycombobox_changed,
227         #menu signals
228         "on_file_quit_activate":self.__on_file_quit_acti
229         "on_file_be_activate":self.__on_file_be_activate
230         "on_package_install_update_activate": \
231             self.__on_install_update,
232         "on_settings_edit_repositories_activate": \
233             self.__on_edit_repositories_activate,
234         "on_package_remove_activate":self.__on_remove,
235         "on_help_about_activate":self.__on_help_about,
236         "on_help_help_activate":self.__on_help_help,
237         "on_edit_paste_activate":self.__on_edit_paste,
238         "on_edit_clear_activate":self.__on_clear_paste,
239         "on_edit_copy_activate":self.__on_copy,
240         "on_edit_cut_activate":self.__on_cut,
241         "on_clear_search_clicked":self.__on_clear_search
242         "on_edit_select_all_activate":self.__on_select_a
243         "on_edit_select_updates_activate": \
244             self.__on_select_updates,
245         "on_edit_deselect_activate":self.__on_deselect,
246         # XXX disabled until new API
247         "on_package_update_all_activate":self.__on_updat
248         #toolbar signals
249         # XXX disabled until new API
250         "on_update_all_button_clicked":self.__on_update_
251         "on_reload_button_clicked":self.__on_reload,
252         "on_install_update_button_clicked": \
253             self.__on_install_update,
254         "on_remove_button_clicked":self.__on_remove,
255         "on_notebook1_switch_page": \
256             self.__on_notebook_change,
257     }
258     dic_progress = \
259     {

```

```

260         "on_cancel_progressdialog_clicked": \
261             self.__on_cancel_progressdialog_clicked,
262     }
263     w_tree_main.signal_autoconnect(dic_mainwindow)
264     w_tree_progress.signal_autoconnect(dic_progress)
265 except AttributeError, error:
266     print self._(\
267         'GUI will not respond to any event! %s.' + \
268         'Check declare_signals()') \
269         % error
270
271     self.package_selection = None
272     self.category_list_filter = None
273     self.application_list_filter = None
274     self.application_refilter_id = 0
275     self.in_setup = True
276     self.w_main_window.show_all()
277
278 @staticmethod
279 def __get_new_application_liststore():
280     return gtk.ListStore(
281         gobject.TYPE_BOOLEAN, # enumerations.MARK_COLUMN
282         gtk.gdk.Pixbuf, # enumerations.STATUS_ICON_COL
283         gtk.gdk.Pixbuf, # enumerations.ICON_COLUMN
284         gobject.TYPE_STRING, # enumerations.NAME_COLUMN
285         gobject.TYPE_STRING, # enumerations.INSTALLED_VERSI
286         gobject.TYPE_PYOBJECT, # enumerations.INSTALLED_OBJEC
287         gobject.TYPE_STRING, # enumerations.LATEST_AVAILABL
288         gobject.TYPE_INT, # enumerations.RATING_COLUMN
289         gobject.TYPE_STRING, # enumerations.DESCRPTION_COL
290         gobject.TYPE_PYOBJECT, # enumerations.PACKAGE_OBJECT
291         gobject.TYPE_BOOLEAN, # enumerations.IS_VISIBLE_COLU
292         gobject.TYPE_PYOBJECT # enumerations.CATEGORY_LIST_O
293     )
294
295 @staticmethod
296 def __get_new_category_liststore():
297     return gtk.ListStore(
298         gobject.TYPE_INT, # enumerations.CATEGORY_ID
299         gobject.TYPE_STRING, # enumerations.CATEGORY_NAME
300         gobject.TYPE_STRING, # enumerations.CATEGORY_DESCRI
301         gtk.gdk.Pixbuf, # enumerations.CATEGORY_ICON
302         gobject.TYPE_BOOLEAN, # enumerations.CATEGORY_VISIBL
303         gobject.TYPE_PYOBJECT, # enumerations.SECTION_LIST_OB
304     )
305
306 @staticmethod
307 def __get_new_section_liststore():
308     return gtk.ListStore(
309         gobject.TYPE_INT, # enumerations.SECTION_ID
310         gobject.TYPE_STRING, # enumerations.SECTION_NAME
311     )
312
313 @staticmethod
314 def __get_new_filter_liststore():
315     return gtk.ListStore(
316         gobject.TYPE_INT, # enumerations.FILTER_ID
317         gobject.TYPE_STRING, # enumerations.FILTER_NAME
318     )
319
320 @staticmethod
321 def __get_new_repositories_liststore():
322     return gtk.ListStore(
323         gobject.TYPE_INT, # enumerations.REPOSITORY_ID
324         gobject.TYPE_STRING, # enumerations.REPOSITORY_NAME
325     )

```

```

327     def __init_tree_views(self, application_list, category_list, repositorie
328         '''This function connects treeviews with their models and also a
329         filters'''
330         self.__disconnect_models()
331         self.__remove_treeview_columns(self.w_application_treeview)
332         self.__remove_treeview_columns(self.w_categories_treeview)
333         ##APPLICATION MAIN TREEVIEW
334         application_list_filter = application_list.filter_new()
335         application_list_sort = \
336             gtk.TreeModelSort(application_list_filter)
337         application_list_sort.set_sort_column_id(\
338             enumerations.NAME_COLUMN, gtk.SORT_ASCENDING)
339         application_list_sort.set_sort_func(\
340             enumerations.STATUS_ICON_COLUMN, self.__status_sort_func)
341         toggle_renderer = gtk.CellRendererToggle()
342
343         column = gtk.TreeViewColumn("", toggle_renderer, \
344             active = enumerations.MARK_COLUMN)
345         column.set_sort_column_id(enumerations.MARK_COLUMN)
346         column.set_sort_indicator(True)
347         column.set_cell_data_func(toggle_renderer, self.cell_data_functi
348             self.w_application_treeview.append_column(column)
349         column = gtk.TreeViewColumn()
350         column.set_title("")
351         #Commented, since there was funny jumping of the icons
352         #column.set_sizing(gtk.TREE_VIEW_COLUMN_AUTOSIZE)
353         render_pixbuf = gtk.CellRendererPixbuf()
354         column.pack_start(render_pixbuf, expand = False)
355         column.add_attribute(render_pixbuf, "pixbuf", enumerations.ICON_
356             column.set_fixed_width(32)
357         column.set_cell_data_func(render_pixbuf, self.cell_data_function
358             self.w_application_treeview.append_column(column)
359         name_renderer = gtk.CellRendererText()
360         column = gtk.TreeViewColumn(self._("Name"), name_renderer, \
361             text = enumerations.NAME_COLUMN)
362         column.set_resizable(True)
363         column.set_sort_column_id(enumerations.NAME_COLUMN)
364         column.set_sort_indicator(True)
365         column.set_cell_data_func(name_renderer, self.cell_data_function
366             self.w_application_treeview.append_column(column)
367         column = gtk.TreeViewColumn()
368         column.set_title(self._("Status"))
369         #Commented, since there was funny jumping of the icons
370         #column.set_sizing(gtk.TREE_VIEW_COLUMN_AUTOSIZE)
371         render_pixbuf = gtk.CellRendererPixbuf()
372         column.pack_start(render_pixbuf, expand = True)
373         column.add_attribute(render_pixbuf, "pixbuf", \
374             enumerations.STATUS_ICON_COLUMN)
375         column.set_fixed_width(32)
376         column.set_sort_column_id(enumerations.STATUS_ICON_COLUMN)
377         column.set_sort_indicator(True)
378         column.set_cell_data_func(render_pixbuf, self.cell_data_function
379             self.w_application_treeview.append_column(column)
380         installed_version_renderer = gtk.CellRendererText()
381         column = gtk.TreeViewColumn(self._("Installed Version"), \
382             installed_version_renderer, \
383             text = enumerations.INSTALLED_VERSION_COLUMN)
384         column.set_sort_column_id(enumerations.INSTALLED_VERSION_COLUMN)
385         column.set_sort_indicator(True)
386         column.set_cell_data_func(installed_version_renderer, \
387             self.cell_data_function, None)
388         latest_available_renderer = gtk.CellRendererText()
389         column = gtk.TreeViewColumn(self._("Latest Version"), \
390             latest_available_renderer, \
391             text = enumerations.LATEST_AVAILABLE_COLUMN)

```

```

392 column.set_sort_column_id(enumerations.LATEST_AVAILABLE_COLUMN)
393 column.set_sort_indicator(True)
394 column.set_cell_data_func(latest_available_renderer, \
395     self.cell_data_function, None)
396 rating_renderer = gtk.CellRendererText()
397 column = gtk.TreeViewColumn(self._('Rating'), rating_renderer, \
398     text = enumerations.RATING_COLUMN)
399 column.set_cell_data_func(rating_renderer, self.cell_data_functi
400 description_renderer = gtk.CellRendererText()
401 column = gtk.TreeViewColumn(self._('Description'), \
402     description_renderer, text = enumerations.DESCRPTION_COLUMN)
403 column.set_resizable(True)
404 column.set_sort_column_id(enumerations.DESCRPTION_COLUMN)
405 column.set_sort_indicator(True)
406 column.set_cell_data_func(description_renderer, \
407     self.cell_data_function, None)
408 self.w_application_treeview.append_column(column)
409 #Added selection listener
410 self.package_selection = self.w_application_treeview.get_selecti

412 ##CATEGORIES TREEVIEW
413 #enumerations.CATEGORY_NAME
414 category_list_filter = category_list.filter_new()
415 enumerations.CATEGORY_NAME_renderer = gtk.CellRendererText()
416 column = gtk.TreeViewColumn(self._('Name'), \
417     enumerations.CATEGORY_NAME_renderer, \
418     text = enumerations.CATEGORY_NAME)
419 self.w_categories_treeview.append_column(column)
420 #Added selection listener
421 category_selection = self.w_categories_treeview.get_selection()
422 category_selection.set_mode(gtk.SELECTION_SINGLE)

424 if self.first_run:
425     ##SECTION COMBOBOX
426     #enumerations.SECTION_NAME
427     cell = gtk.CellRendererText()
428     self.w_sections_combobox.pack_start(cell, True)
429     self.w_sections_combobox.add_attribute(cell, 'text', \
430         enumerations.SECTION_NAME)
431     self.w_sections_combobox.set_row_separator_func( \
432         self.combobox_id_separator)
433     ##FILTER COMBOBOX
434     #enumerations.FILTER_NAME
435     cell = gtk.CellRendererText()
436     self.w_filter_combobox.pack_start(cell, True)
437     self.w_filter_combobox.add_attribute(cell, 'text', \
438         enumerations.FILTER_NAME)
439     self.w_filter_combobox.set_row_separator_func(\
440         self.combobox_id_separator)
441     ##FILTER COMBOBOX
442     #enumerations.FILTER_NAME
443     cell = gtk.CellRendererText()
444     self.w_repository_combobox.pack_start(cell, True)
445     self.w_repository_combobox.add_attribute(cell, 'text', \
446         enumerations.REPOSITORY_NAME)
447     self.w_repository_combobox.set_row_separator_func( \
448         self.combobox_id_separator)

450 self.application_list = application_list
451 self.category_list = category_list
452 self.repositories_list = repositories_list
453 self.category_list_filter = category_list_filter
454 self.application_list_filter = application_list_filter

456 self.w_sections_combobox.set_model(self.section_list)
457 self.w_sections_combobox.set_active(0)

```

```

458 self.w_filter_combobox.set_model(self.filter_list)
459 self.w_filter_combobox.set_active(0)
460 self.w_repository_combobox.set_model(repositories_list)
461 self.w_categories_treeview.set_model(category_list_filter)
462 self.w_application_treeview.set_model(application_list_sort)
463 application_list_filter.set_visible_func(self.__application_filt
464 category_list_filter.set_visible_func(self.category_filter)
465 toggle_renderer.connect('toggled', self.__active_pane_toggle, \
466     application_list_sort)
467 category_selection.connect("changed", \
468     self.__on_category_selection_changed, None)
469 self.package_selection.set_mode(gtk.SELECTION_SINGLE)
470 self.package_selection.connect("changed", \
471     self.__on_package_selection_changed, None)
472 self.first_run = False
473
474 def __disconnect_models(self):
475     self.w_application_treeview.set_model(None)
476     self.w_categories_treeview.set_model(None)
477     self.w_repository_combobox.set_model(None)
478     self.w_sections_combobox.set_model(None)
479     self.w_filter_combobox.set_model(None)

481 @staticmethod
482 def __status_sort_func(treemodel, iter1, iter2, user_data=None):
483     get_val = treemodel.get_value
484     lat1 = get_val(iter1, enumerations.LATEST_AVAILABLE_COLUMN)
485     ins1 = get_val(iter1, enumerations.INSTALLED_VERSION_COLUMN)
486     lat2 = get_val(iter2, enumerations.LATEST_AVAILABLE_COLUMN)
487     ins2 = get_val(iter2, enumerations.INSTALLED_VERSION_COLUMN)
488     if ins1 and not ins2:
489         return -1
490     if ins2 and not ins1:
491         return 1
492     if lat1 and not lat2:
493         return -1
494     if lat2 and not lat1:
495         return 1
496     return 0

498 @staticmethod
499 def __remove_treeview_columns(treeview):
500     columns = treeview.get_columns()
501     if columns:
502         for column in columns:
503             treeview.remove_column(column)

505 def __init_sections(self):
506     '''This function is for initializing sections combo box, also ad
507     Category. It sets active section combobox entry "All"'''
508     self.section_list.append([0, self._('All'), 1])
509     self.section_list.append([-1, "", 1])
510     self.section_list.append([2, self._('Meta Packages'), 1])
511     self.section_list.append([3, self._('Applications'), 1])
512     self.section_list.append([4, self._('Desktop (GNOME)'), 1])
513     self.section_list.append([5, self._('Development'), 1])
514     self.section_list.append([6, self._('Distributions'), 1])
515     self.section_list.append([7, self._('Drivers'), 1])
516     self.section_list.append([8, self._('System'), 1])
517     self.section_list.append([9, self._('Web Services'), 1])

519 def __init_show_filter(self):
520     self.filter_list.append([0, self._('All Packages'), 1])
521     self.filter_list.append([-1, "", 1])
522     self.filter_list.append([2, self._('Installed Packages'), 1])
523     self.filter_list.append([3, self._('Updates'), 1])

```

```

524     self.filter_list.append([4, self._('Non-installed Packages'), ])
525     self.filter_list.append([-1, "", ])
526     # self.filter_list.append([self._('Locked Packages'), ])
527     # self.filter_list.append(["", ])
528     self.filter_list.append([6, self._('Selected Packages'), ])

530 def __on_cancel_progressdialog_clicked(self, widget):
531     self.progress_canceled = True
532     self.progress_stop_timer_thread = True

534 def __on_mainwindow_delete_event(self, widget, event):
535     ''' handler for delete event of the main window '''
536     if self.__check_if_something_was_changed() == True:
537         # XXXX Change this to not quit and show dialog
538         # XXXX if some changes were applied:
539         self.__main_application_quit()
540         return True
541     else:
542         self.__main_application_quit()

544 def __on_file_quit_activate(self, widget):
545     ''' handler for quit menu event '''
546     self.__on_mainwindow_delete_event(None, None)

548 def __on_edit_repositories_activate(self, widget):
549     ''' handler for repository menu event '''
550     repository.Repository(self)

552 def __on_file_be_activate(self, widget):
553     ''' handler for be menu event '''
554     beadm.Beadmin(self)

556 def __on_searchentry_changed(self, widget):
557     '''On text search field changed we should refilter the main view
558     if self.application_refilter_id != 0:
559         gobject.source_remove(self.application_refilter_id)
560         self.application_refilter_id = 0
561     if self.w_searchentry_dialog.get_text() == "":
562         self.application_refilter_id = \
563             gobject.idle_add(self.__application_refilter)
564     else:
565         self.application_refilter_id = \
566             gobject.timeout_add(TYPE_AHEAD_DELAY, self.__applica

568 def __application_refilter(self):
569     self.application_list_filter.refilter()
570     gobject.idle_add(self.__enable_disable_selection_menus)
571     self.application_refilter_id = 0
572     return False

574 def __on_edit_paste(self, widget):
575     self.w_searchentry_dialog.insert_text(self.main_clipboard_text,
576     self.w_searchentry_dialog.get_position())

578 def __on_clear_paste(self, widget):
579     bounds = self.w_searchentry_dialog.get_selection_bounds()
580     self.w_searchentry_dialog.delete_text(bounds[0], bounds[1])
581     return

583 def __on_copy(self, widget):
584     bounds = self.w_searchentry_dialog.get_selection_bounds()
585     text = self.w_searchentry_dialog.get_chars(bounds[0], bounds[1])
586     self.w_main_clipboard.set_text(text)
587     return

589 def __on_cut(self, widget):

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590     bounds = self.w_searchentry_dialog.get_selection_bounds()
591     text = self.w_searchentry_dialog.get_chars(bounds[0], bounds[1])
592     self.w_searchentry_dialog.delete_text(bounds[0], bounds[1])
593     self.w_main_clipboard.set_text(text)
594     return

596 def __on_clear_search(self, widget):
597     self.w_searchentry_dialog.delete_text(0, -1)
598     return

600 def __on_notebook_change(self, widget, event, pagenum):
601     if pagenum == 3:
602         licbuffer = self.w_license_textview.get_buffer()
603         leg_txt = self._("Fetching legal information...")
604         licbuffer.set_text(leg_txt)
605         Thread(target = self.__show_package_licenses, \
606             args = (self.pkginfo_thread,)).start()

608 def __on_select_all(self, widget):
609     sort_filt_model = \
610         self.w_application_treeview.get_model() #gtk.TreeModelSort
611     filt_model = sort_filt_model.get_model() #gtk.TreeModelFilter
612     model = filt_model.get_model() #gtk.ListStore
613     iter_next = sort_filt_model.get_iter_first()
614     list_of_paths = []
615     while iter_next != None:
616         sorted_path = sort_filt_model.get_path(iter_next)
617         filtered_path = \
618             sort_filt_model.convert_path_to_child_path(sorted_pa
619         path = filt_model.convert_path_to_child_path(filtered_pa
620         list_of_paths.append(path)
621         iter_next = sort_filt_model.iter_next(iter_next)
622     for path in list_of_paths:
623         itr = model.get_iter(path)
624         model.set_value(itr, enumerations.MARK_COLUMN, True)
625     self.__enable_disable_selection_menus()
626     self.update_statusbar()
627     self.__enable_disable_install_update()
628     self.__enable_disable_remove()

630 def __on_select_updates(self, widget):
631     sort_filt_model = \
632         self.w_application_treeview.get_model() #gtk.TreeModelSort
633     filt_model = sort_filt_model.get_model() #gtk.TreeModelFilter
634     model = filt_model.get_model() #gtk.ListStore
635     iter_next = sort_filt_model.get_iter_first()
636     list_of_paths = []
637     while iter_next != None:
638         sorted_path = sort_filt_model.get_path(iter_next)
639         filtered_iter = sort_filt_model.convert_iter_to_child_it
640         iter_next)
641         app_iter = filt_model.convert_iter_to_child_iter(filtere
642         filtered_path = \
643             sort_filt_model.convert_path_to_child_path(sorted_pa
644         path = filt_model.convert_path_to_child_path(filtered_pa
645         if model.get_value(app_iter, \
646             enumerations.INSTALLED_VERSION_COLUMN):
647             if model.get_value(app_iter, \
648                 enumerations.LATEST_AVAILABLE_COLUMN):
649                 list_of_paths.append(path)
650         iter_next = sort_filt_model.iter_next(iter_next)
651     for path in list_of_paths:
652         itr = model.get_iter(path)
653         model.set_value(itr, enumerations.MARK_COLUMN, True)
654     self.__enable_disable_selection_menus()
655

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656         self.update_statusbar()
657         self.__enable_disable_install_update()
658         self.__enable_disable_remove()

660     def __on_deselect(self, widget):
661         sort_filt_model = \
662             self.w_application_treeview.get_model() #gtk.TreeModelSort
663         filt_model = sort_filt_model.get_model() #gtk.TreeModelFilter
664         model = filt_model.get_model() #gtk.ListStore
665         iter_next = sort_filt_model.get_iter_first()
666         list_of_paths = []
667         while iter_next != None:
668             sorted_path = sort_filt_model.get_path(iter_next)
669             filtered_iter = sort_filt_model.convert_iter_to_child_it
670                 iter_next)
671             app_iter = filt_model.convert_iter_to_child_iter(filtere
672                 filtered_path = \
673                 sort_filt_model.convert_path_to_child_path(sorted_pa
674                 path = filt_model.convert_path_to_child_path(filtered_pa
675                 if model.get_value(app_iter, enumerations.MARK_COLUMN):
676                     list_of_paths.append(path)
677                 iter_next = sort_filt_model.iter_next(iter_next)
678         for path in list_of_paths:
679             itr = model.get_iter(path)
680             model.set_value(itr, enumerations.MARK_COLUMN, False)
681         self.__enable_disable_selection_menus()
682         self.update_statusbar()
683         self.__enable_disable_install_update()
684         self.__enable_disable_remove()

686     def __on_searchentry_focus_in(self, widget, event):
687         self.w_paste_menuitem.set_sensitive(True)

689     def __on_searchentry_focus_out(self, widget, event):
690         self.w_paste_menuitem.set_sensitive(False)

692     def __on_searchentry_event(self, widget, event):
693         self.w_main_clipboard.request_text(self.__clipboard_text_receive
694         if widget.get_selection_bounds():
695             #enable selection functions
696             self.w_cut_menuitem.set_sensitive(True)
697             self.w_copy_menuitem.set_sensitive(True)
698             self.w_clear_menuitem.set_sensitive(True)
699         else:
700             self.w_cut_menuitem.set_sensitive(False)
701             self.w_copy_menuitem.set_sensitive(False)
702             self.w_clear_menuitem.set_sensitive(False)

704     def __on_category_selection_changed(self, selection, widget):
705         '''This function is for handling category selection changes'''
706         self.application_list_filter.refilter()
707         self.__enable_disable_selection_menus()

709     def __on_package_selection_changed(self, selection, widget):
710         '''This function is for handling package selection changes'''
711         model, itr = selection.get_selected()
712         if itr:
713             self.pkginfo_thread += 1
714             self.selected_pkgname = \
715                 model.get_value(itr, enumerations.NAME_COLUMN)
716             Thread(target = self.__show_package_info, \
717                 args = (model, itr, self.pkginfo_thread)).start()
718             if self.w_info_notebook.get_current_page() == 3:
719                 self.__on_notebook_change(None, None, 3)

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```

722     def __on_filtercombobox_changed(self, widget):
723         '''On filter combobox changed'''
724         if self.in_setup:
725             return
726         self.application_list_filter.refilter()
727         self.__enable_disable_selection_menus()

729     def __on_sectionscmbobox_changed(self, widget):
730         '''On section combobox changed'''
731         if self.in_setup:
732             return
733         selected_section = widget.get_active()
734         if selected_section == 0:
735             for category in self.category_list:
736                 category[enumerations.CATEGORY_VISIBLE] = True
737         else:
738             for category in self.category_list:
739                 if category[enumerations.CATEGORY_ID] == 0:
740                     category[enumerations.CATEGORY_VISIBLE]
741                     else:
742                         category_list = \
743                             category[enumerations.SECTION_LIST_O
744                             if not category_list:
745                                 category[enumerations.CATEGORY_V
746                                     = False
747                             else:
748                                 for section in category_list:
749                                     if section == selected_s
750                                         category[enumera
751                                             CATEGORY_VIS
752                                                 True
753                                     else:
754                                         category[enumera
755                                             CATEGORY_VIS
756                                                 False
757                                     self.category_list_filter.refilter()
758                                     self.application_list_filter.refilter()
759                                     self.__enable_disable_selection_menus()

761     def __on_repositorycombobox_changed(self, widget):
762         '''On repository combobox changed'''
763         if self.in_setup:
764             return
765         self.application_list_filter.refilter()
766         self.__enable_disable_selection_menus()

768     def __on_install_update(self, widget):
769         self.api_o.reset()
770         install_update = []
771         for row in self.application_list:
772             if row[enumerations.MARK_COLUMN]:
773                 install_update.append(row[\
774                     enumerations.NAME_COLUMN])
775         installupdate.InstallUpdate(install_update, self, \
776             self.api_o, ips_update = False, \
777             action = enumerations.INSTALL_UPDATE)

779     def __on_update_all(self, widget):
780         opensolaris_image = True
781         self.progress_stop_timer_thread = False
782         notfound = self.__installed_fmris_from_args(self.api_o, \
783             ["SUNWipkg", "SUNWcs"])

785         if notfound:
786             opensolaris_image = False

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```

788     if opensolaris_image:
789         # Load the catalogs from the repository, its a long
790         # running tasks so need a progress dialog
791         self.w_progress_dialog.set_title(self._("Update All"))
792         self.w_progressinfo_label.set_text(self._( \
793             "Checking SUNWipkg and SUNWipkg-gui versions\n" \
794             "\nPlease wait ..."))
795         Thread(target = self.__progressdialog_progress_pulse).start()
796         Thread(target = self.__do_ips_uptodate_check).start()
797         self.w_progress_dialog.run()
798         if self.progress_canceled:
799             return
800     else:
801         self.ips_uptodate = True
802
803     #2790: Make sure ipkg and ipkg-gui are up to date, if not update
804     # prompt user to restart
805     if not self.ips_uptodate:
806         # Prompt user
807         msgbox = gtk.MessageDialog(parent = self.w_main_window,
808             buttons = gtk.BUTTONS_YES_NO, \
809             flags = gtk.DIALOG_MODAL, type = gtk.MESSAGE_QUESTION,
810             message_format = self._("Newer versions of SUNWipkg
811             "SUNWipkg-gui\n" + "are available and must be update
812             "before\nrunning Update All.\n\nDo you want to update
813             "them now?"))
814         msgbox.set_title(self._("Update All"))
815         result = msgbox.run()
816         msgbox.destroy()
817         if result == gtk.RESPONSE_YES:
818             pkg_list = [self.ipkg_fmri, self.ipkggui_fmri]
819             self.api_o.reset()
820             installupdate.InstallUpdate(pkg_list, \
821                 self, self.api_o, \
822                 ips_update = True, \
823                 action = enumerations.INSTALL_UPDATE)
824         else:
825             msgbox = gtk.MessageDialog(parent = self.w_main_
826                 buttons = gtk.BUTTONS_OK, \
827                 flags = gtk.DIALOG_MODAL, type = gtk.MESSAGE_ERROR,
828                 message_format = self._("Update All was not
829                 "run.\n\nIt can not be run until SUNWipkg an
830                 "SUNWipkg-gui have been updated.))
831             msgbox.set_title(self._("Update All"))
832             result = msgbox.run()
833             msgbox.destroy()
834     else:
835         self.api_o.reset()
836         installupdate.InstallUpdate([], self, \
837             self.api_o, ips_update = False, \
838             action = enumerations.IMAGE_UPDATE)
839
840     def __on_help_about(self, widget):
841         wTreePlan = gtk.Glade.XML(self.gladefile, "aboutdialog")
842         aboutdialog = wTreePlan.get_widget("aboutdialog")
843         aboutdialog.connect("response", lambda x = None, \
844             y = None: aboutdialog.destroy())
845         aboutdialog.run()
846
847     def __on_help_help(self, widget):
848         props = { gnome.PARAM_APP_DATADIR : self.application_dir + \
849             '/usr/share/package-manager/help' }
850         gnome.program_init('package-manager', '0.1', properties=props)
851         gnome.help_display('package-manager')
852
853     def __on_remove(self, widget):

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854         self.api_o.reset()
855         remove_list = []
856         for pkg in self.application_list:
857             if pkg[enumerations.MARK_COLUMN] and \
858                 pkg[enumerations.INSTALLED_VERSION_COLUMN]:
859                 remove_list.append(\
860                     pkg[enumerations.NAME_COLUMN])
861         installupdate.InstallUpdate(remove_list, self, \
862             self.api_o, ips_update = False, \
863             action = enumerations.REMOVE)
864
865     def __on_reload(self, widget):
866         if self.description_thread_running:
867             self.cancelled = True
868         self.in_setup = True
869         self.w_progress_dialog.set_title(self._("Refreshing catalogs"))
870         self.w_progressinfo_label.set_text(self._("Refreshing catalogs..
871         self.progress_stop_timer_thread = False
872         Thread(target = self.__progressdialog_progress_pulse).start()
873         self.w_progress_dialog.show()
874         self.__disconnect_models()
875         Thread(target = self.__catalog_refresh).start()
876
877     def __catalog_refresh_done(self):
878         self.progress_stop_timer_thread = True
879         #Let the progress_pulse finish. This should be done other way, b
880         #The moment this works fine
881         time.sleep(0.2)
882         self.process_package_list_start(self.image_directory)
883         self.__enable_disable_selection_menus()
884         self.update_statusbar()
885         self.__update_install_update_button(None, True)
886         self.__update_remove_button(None, True)
887
888     def __clipboard_text_received(self, clipboard, text, data):
889         self.main_clipboard_text = text
890         return
891
892     def __main_application_quit(self, restart_app = False):
893         '''quits the main gtk loop'''
894         self.cancelled = True
895         if self.in_setup:
896             return
897         if restart_app:
898             if self.image_dir_arg:
899                 gobject.spawn_async([self.application_path, "-R"
900                     self.image_dir_arg])
901             else:
902                 gobject.spawn_async([self.application_path])
903         gtk.main_quit()
904         sys.exit(0)
905         return True
906
907     def __check_if_something_was_changed(self):
908         ''' Returns True if any of the check boxes for package was chang
909         if not'''
910         for pkg in self.application_list:
911             if pkg[enumerations.MARK_COLUMN] == True:
912                 return True
913         return False
914
915     def __setup_repositories_combobox(self, api_o, repositories_list):
916         img = api_o.img
917         if self.in_setup or img == None:
918             return
919

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920     repositories = img.catalogs
921     default_authority = img.get_default_authority()
922     i = 0
923     active = 0
924     for repo in repositories:
925         if cmp(repo, default_authority) == 0:
926             active = i

928         repositories_list.append([i, repo, ])
929         i = i + 1
930     self.w_repository_combobox.set_model(repositories_list)
931     if default_authority:
932         self.w_repository_combobox.set_active(active)
933     else:
934         self.w_repository_combobox.set_active(0)

936 def __active_pane_toggle(self, cell, path, model_sort):
937     '''Toggle function for column enumerations.MARK_COLUMN'''
938     applicationModel = model_sort.get_model()
939     applicationPath = model_sort.convert_path_to_child_path(path)
940     filterModel = applicationModel.get_model()
941     child_path = applicationModel.convert_path_to_child_path(applica
942     itr = filterModel.get_iter(child_path)
943     if itr:
944         modified = filterModel.get_value(itr, enumerations.MARK_
945         filterModel.set_value(itr, enumerations.MARK_COLUMN, \
946         not modified)
947         latest_available = filterModel.get_value(itr, \
948         enumerations.LATEST_AVAILABLE_COLUMN)
949         installed_available = filterModel.get_value(itr, \
950         enumerations.INSTALLED_VERSION_COLUMN)
951         self.update_statusbar()
952         self.__update_install_update_button(latest_available, mo
953         self.__update_remove_button(installed_available, modifie
954         self.__enable_disable_selection_menus()

957 def __update_install_update_button(self, latest_available, toggle_true):
958     if not toggle_true and self.user_rights:
959         if latest_available:
960             self.w_installupdate_button.set_sensitive(True)
961             self.w_installupdate_menuitem.set_sensitive(True)
962     else:
963         available = None
964         for row in self.application_list:
965             if row[enumerations.MARK_COLUMN]:
966                 available = \
967                 row[enumerations.LATEST_AVAILABLE_CO
968                 if available:
969                     return
970             if not available:
971                 self.w_installupdate_button.set_sensitive(False)
972                 self.w_installupdate_menuitem.set_sensitive(Fals

974 def __update_reload_button(self):
975     if self.user_rights:
976         self.w_reload_button.set_sensitive(True)
977     else:
978         self.w_reload_button.set_sensitive(False)

980 def __update_remove_button(self, installed_available, toggle_true):
981     if not toggle_true and self.user_rights:
982         if installed_available:
983             self.w_remove_button.set_sensitive(True)
984             self.w_remove_menuitem.set_sensitive(True)
985     else:

```

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986         available = None
987         for row in self.application_list:
988             if row[enumerations.MARK_COLUMN]:
989                 installed = \
990                 row[enumerations.INSTALLED_VERSION_C
991                 if installed:
992                     return
993             if not available:
994                 self.w_remove_button.set_sensitive(False)
995                 self.w_remove_menuitem.set_sensitive(False)

997 def __show_fetching_package_info(self, pkg, icon):
998     pkg_name = pkg.get_name()
999     if icon and icon != pkg:
1000         self.w_packageicon_image.set_from_pixbuf(icon)
1001     else:
1002         self.w_packageicon_image.set_from_pixbuf( \
1003         self.__get_pixbuf_from_path("/usr/share/package-mana
1004         "PM_package_36x"))
1005     self.w_package_name_label.set_markup("<b>" + pkg_name + "</b>")
1006
1007     if self.__setting_from_cache(pkg_name):
1008         return
1009
1010     self.w_shortdescription_label.set_text( \
1011     self._("Fetching description..."))
1012     instbuffer = self.w_installedfiles_textview.get_buffer()
1013     depbuffer = self.w_dependencies_textview.get_buffer()
1014     infobuffer = self.w_generalinfo_textview.get_buffer()
1015     instbuffer.set_text(self._("Fetching information..."))
1016     depbuffer.set_text(self._("Fetching information..."))
1017     infobuffer.set_text(self._("Fetching information..."))
1018     return

1019 def __setting_from_cache(self, pkg_name):
1020     if len(self.info_cache) > MAX_INFO_CACHE_LIMIT:
1021         self.info_cache = {}
1022
1023     if self.info_cache.has_key(pkg_name):
1024         self.w_shortdescription_label.set_text(\
1025         self.info_cache[pkg_name][0])
1026         instbuffer = self.w_installedfiles_textview.get_buffer()
1027         depbuffer = self.w_dependencies_textview.get_buffer()
1028         infobuffer = self.w_generalinfo_textview.get_buffer()
1029         infobuffer.set_text(self.info_cache[pkg_name][1])
1030         instbuffer.set_text(self.info_cache[pkg_name][2])
1031         depbuffer.set_text(self.info_cache[pkg_name][3])
1032         return True
1033     else:
1034         return False

1035 def __update_package_info(self, pkg, icon, installed, pkg_info):
1036     pkg_name = pkg.get_name()
1037     if icon and icon != pkg:
1038         self.w_packageicon_image.set_from_pixbuf(icon)
1039     else:
1040         self.w_packageicon_image.set_from_pixbuf( \
1041         self.__get_pixbuf_from_path("/usr/share/package-mana
1042         "PM_package_36x"))
1043     self.w_package_name_label.set_markup("<b>" + pkg_name + "</b>")
1044
1045     if self.__setting_from_cache(pkg_name):
1046         return
1047
1048     instbuffer = self.w_installedfiles_textview.get_buffer()
1049     depbuffer = self.w_dependencies_textview.get_buffer()
1050
1051

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```

1052         infobuffer = self.w_generalinfo_textview.get_buffer()
1053
1054     if not pkg_info:
1055         self.w_shortdescription_label.set_text( \
1056             self._("Description not available for this package..
1057             instbuffer.set_text( \
1058                 self._("Files Details not available for this package
1059             depbuffer.set_text(self._( \
1060                 "Dependencies info not available for this package...
1061             infobuffer.set_text( \
1062                 self._("Information not available for this package..
1063             return
1064     description = pkg_info.summary
1065     #XXX long term need to have something more robust here for multi
1066     if len(description) > MAX_DESC_LEN:
1067         description = description[:MAX_DESC_LEN] + " ..."
1068     self.w_shortdescription_label.set_text(description)
1069     inst_str = self._("Root: %s\n") % self.api_o.img.get_root()
1070     dep_str = self._("Dependencies:\n")
1071
1072     if installed:
1073         info_str = self._("Information for installed package:\n\
1074     else:
1075         info_str = self._("Information for latest available pack
1076     #Name: SUNWckr
1077     #FMRI: pkg://opensolaris.org/SUNWckr@0.5.11,5.11-0.75:20071114T2
1078     #Version: 0.5.11
1079     #Branch: 0.75
1080     #Packaging Date: 2007-11-14 20:31:48
1081     #Size: 293696981024
1082     #Summary: Core Solaris Kernel (Root)
1083
1084     if pkg_info.dependencies:
1085         dep_str += ''.join(["\t%s\n" % x for x in pkg_info.depen
1086     if pkg_info.dirs:
1087         inst_str += ''.join(["\t%s\n" % x for x in pkg_info.dirs
1088     if pkg_info.files:
1089         inst_str += ''.join(["\t%s\n" % x for x in pkg_info.file
1090     if pkg_info.hardlinks:
1091         inst_str += ''.join(["\t%s\n" % x for x in pkg_info.hard
1092     if pkg_info.links:
1093         inst_str += ''.join(["\t%s\n" % x for x in pkg_info.link
1094
1095     if description:
1096         info_str += self._(" Description:\t%s\n") % description
1097     info_str += self._(" Name:\t%s\n") % pkg_name
1098     info_str += self._(" FMRI:\t%s\n") % pkg.get_fmri()
1099     info_str += self._(" Version:\t%s\n") % \
1100         pkg.version.get_short_version()
1101     info_str += self._(" Packaged:\t%s\n") % \
1102         self.get_datetime(pkg.version)
1103
1104     infobuffer.set_text(info_str)
1105     instbuffer.set_text(inst_str)
1106     depbuffer.set_text(dep_str)
1107
1108     self.info_cache[pkg_name] = \
1109         (description, info_str, inst_str, dep_str)
1110
1111     def __update_package_license(self, licenses):
1112         lic = ""
1113         lic_u = ""
1114         if licenses == None:
1115             lic_u = self._("Not available")
1116         else:
1117             for licens in licenses:

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1118             lic += licens.get_text()
1119             lic += "\n"
1120         try:
1121             lic_u = unicode(lic, "utf-8")
1122         except UnicodeDecodeError:
1123             lic_u += ""
1124         licbuffer = self.w_license_textview.get_buffer()
1125         licbuffer.set_text(lic_u)
1126
1127     def __update_description(self, description, package):
1128         '''workaround function'''
1129         for pkg in self.application_list:
1130             p = pkg[enumerations.PACKAGE_OBJECT_COLUMN][0]
1131             if p == package:
1132                 pkg[enumerations.DESCRPTION_COLUMN] = descripti
1133                 return
1134
1135     def __show_package_licenses(self, th_no):
1136         #XXX revisit this and replace with gobject.timer_add() instead o
1137         # sleep for a little time, this is done for the users who are
1138         # fast browsing the list of the packages.
1139         time.sleep(1)
1140         if th_no != self.pkginfo_thread:
1141             return
1142         if self.selected_pkgname == None:
1143             gobject.idle_add(self.__update_package_license, \
1144                 None)
1145             return
1146         info = self.api_o.info([self.selected_pkgname], True, True)
1147         pkgs_info = None
1148         package_info = None
1149         no_licenses = 0
1150         if info:
1151             pkgs_info = info[0]
1152         if pkgs_info:
1153             package_info = pkgs_info[0]
1154         if package_info:
1155             no_licenses = len(package_info.licenses)
1156         if no_licenses == 0:
1157             gobject.idle_add(self.__update_package_license, \
1158                 None)
1159             return
1160         if th_no == self.pkginfo_thread:
1161             gobject.idle_add(self.__update_package_license, \
1162                 package_info.licenses)
1163         else:
1164             return
1165
1166     def __get_pkg_info(self, pkg_name, installed):
1167         info = self.api_o.info([pkg_name], installed, get_licenses=False
1168             get_action_info=True)
1169         pkgs_info = None
1170         package_info = None
1171         if info:
1172             pkgs_info = info[0]
1173         if pkgs_info:
1174             package_info = pkgs_info[0]
1175         if package_info:
1176             return package_info
1177         else:
1178             return
1179
1180     def __show_package_info(self, model, itr, th_no):
1181         pkg = model.get_value(itr, enumerations.INSTALLED_OBJECT_COLUMN)
1182         icon = model.get_value(itr, enumerations.INSTALLED_OBJECT_COLUMN
1183             installed = False

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```

1184         if not pkg:
1185             packages = model.get_value(itr, \
1186                 enumerations.PACKAGE_OBJECT_COLUMN)
1187             pkg = max(packages)
1188             gobject.idle_add( \
1189                 self.__show_fetching_package_info, pkg, icon)
1190         else:
1191             gobject.idle_add( \
1192                 self.__show_fetching_package_info, pkg, icon)
1193             installed = True
1194
1195         if self.info_cache.has_key(pkg.get_name()):
1196             return
1197
1198         # sleep for a little time, this is done for the users which are
1199         # fast browsing the list of the packages.
1200         time.sleep(1)
1201         if th_no != self.pkginfo_thread:
1202             return
1203         man = None
1204         img = self.api_o.img
1205         img.history.operation_name = "info"
1206
1207         pkg_info = self.__get_pkg_info(pkg.get_name(), installed)
1208         if th_no == self.pkginfo_thread:
1209             if not pkg:
1210                 gobject.idle_add(self.__update_package_info, pkg
1211                     installed, pkg_info)
1212             else:
1213                 gobject.idle_add(self.__update_package_info, pkg
1214                     installed, pkg_info)
1215             img.history.operation_result = \
1216                 history.RESULT_SUCCEEDED
1217         else:
1218             img.history.operation_result = \
1219                 history.RESULT_SUCCEEDED
1220             return
1221
1222         # This function is ported from pkg.actions.generic.distinguished_name()
1223         def __locale_distinguished_name(self, action):
1224             if action.key_attr == None:
1225                 return str(action)
1226             return "%s: %s" % \
1227                 (self._(action.name), action.attrs.get(action.key_attr, "???"
1228
1229         def __application_filter(self, model, itr):
1230             """This function is used to filter content in the main
1231             application view"""
1232             if self.in_setup or self.cancelled:
1233                 return False
1234             # XXX Show filter, change text to integers
1235             selected_category = 0
1236             selection = self.w_categories_treeview.get_selection()
1237             category_model, category_iter = selection.get_selected()
1238             if not category_iter: #no category was selected, so sele
1239                 selection.select_path(0)
1240             category_model, category_iter = selection.get_selected()
1241             if category_iter:
1242                 selected_category = category_model.get_value(category_it
1243                     enumerations.CATEGORY_ID)
1244             category_list_iter = model.get_value(itr, \
1245                 enumerations.CATEGORY_LIST_OBJECT)
1246             category = False
1247             repo = self.__is_pkg_repository_visible(model, itr)
1248             if category_list_iter:
1249                 sel = False

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1250         for category_iter in category_list_iter:
1251             if category != True:
1252                 category = \
1253                     self.category_filter(self.category_1
1254                         category_iter)
1255             if selected_category != 0:
1256                 if selected_category == \
1257                     self.category_list.get_value(categor
1258                         enumerations.CATEGORY_ID):
1259                     sel = True
1260                 category = sel
1261         else:
1262             if selected_category == 0:
1263                 selected_section = self.w_sections_combobox.get_
1264                 if selected_section == 0:
1265                     category = True
1266             if (model.get_value(itr, enumerations.IS_VISIBLE_COLUMN) == Fals
1267                 return False
1268             if self.w_searchentry_dialog.get_text() == "":
1269                 return (repo & category & \
1270                     self.__is_package_filtered(model, itr))
1271             if not model.get_value(itr, enumerations.NAME_COLUMN) == None:
1272                 if self.w_searchentry_dialog.get_text().lower() in \
1273                     model.get_value \
1274                         (itr, enumerations.NAME_COLUMN).lower():
1275                     return (repo & category & \
1276                         self.__is_package_filtered(model, itr))
1277             if not model.get_value(itr, enumerations.DESRIPTION_COLUMN) ==
1278                 if self.w_searchentry_dialog.get_text().lower() in \
1279                     model.get_value \
1280                         (itr, enumerations.DESRIPTION_COLUMN).lower():
1281                     return (repo & category & \
1282                         self.__is_package_filtered(model, itr))
1283         else:
1284             return False
1285
1286         def __is_package_filtered(self, model, itr):
1287             """Function for filtercombobox"""
1288             # XXX Instead of string comparison, we should do it through inte
1289             # XXX It should be faster and better for localisations.
1290             filter_text = self.w_filter_combobox.get_active()
1291             if filter_text == 0:
1292                 return True
1293             elif filter_text == 2:
1294                 return model.get_value(itr, \
1295                     enumerations.INSTALLED_VERSION_COLUMN) != None
1296             elif filter_text == 3:
1297                 return (model.get_value(itr, \
1298                     enumerations.INSTALLED_VERSION_COLUMN) != None) & \
1299                     (model.get_value(itr, \
1300                         enumerations.LATEST_AVAILABLE_COLUMN) != None)
1301             elif filter_text == 4:
1302                 return not model.get_value(itr, \
1303                     enumerations.INSTALLED_VERSION_COLUMN) != None
1304             elif filter_text == 6:
1305                 return model.get_value(itr, enumerations.MARK_COLUMN)
1306             elif filter_text == 8:
1307                 # XXX Locked support
1308                 return False
1309
1310         def __is_pkg_repository_visible(self, model, itr):
1311             if len(self.repositories_list) <= 1:
1312                 return True
1313             else:
1314                 auth_iter = self.w_repository_combobox.get_active_iter()
1315

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1316         authority = self.repositories_list.get_value(auth_iter,
1317             enumerations.REPOSITORY_NAME)
1318         packages = model.get_value(itr, \
1319             enumerations.PACKAGE_OBJECT_COLUMN)
1320         if not packages:
1321             return False
1322         pkg = max(packages)
1323         if cmp(pkg.get_authority(), authority) == 0:
1324             return True
1325         else:
1326             return False
1328     def __do_ips_uptodate_check(self):
1329         ret = self.__catalog_refresh(False)
1330         if ret != -1:
1331             self.ips_uptodate = self.__ipkg_ipkgui_uptodate()
1332         else:
1333             self.progress_canceled = True
1334             self.progress_stop_timer_thread = True
1336     def __ipkg_ipkgui_uptodate(self):
1337         self.api_o.reset()
1338         list_of_packages = [self.ipkg_fmri, self.ipkgui_fmri]
1339         ret = True
1340         try:
1341             upgrade_needed, cre = self.api_o.plan_install(
1342                 list_of_packages, filters = [])
1343             if upgrade_needed:
1344                 ret = False
1345         except (api_errors.InvalidCertException, \
1346             api_errors.PlanCreationException, \
1347             api_errors.InventoryException):
1348             raise
1349         except api_errors.CanceledException:
1350             raise
1351         return ret
1353     def __enable_disable_selection_menus(self):
1354         if self.in_setup:
1355             return
1356         self.__enable_disable_select_all()
1357         self.__enable_disable_select_updates()
1358         self.__enable_disable_deselect()
1359         # XXX disabled until new API
1360         self.__enable_disable_update_all()
1361
1363     def __enable_disable_select_all(self):
1364         if self.in_setup:
1365             return
1366         if len(self.w_application_treeview.get_model()) > 0:
1367             for row in self.w_application_treeview.get_model():
1368                 if not row[enumerations.MARK_COLUMN]:
1369                     self.w_selectall_menuitem.set_sensitive(
1370                         return
1371                     self.w_selectall_menuitem.set_sensitive(False)
1372                 else:
1373                     self.w_selectall_menuitem.set_sensitive(False)
1374
1376     def __enable_disable_install_update(self):
1377         for row in self.application_list:
1378             if row[enumerations.MARK_COLUMN]:
1379                 if row[enumerations.LATEST_AVAILABLE_COLUMN] and
1380                     self.user_rights:
1381                     self.w_installupdate_button.set_sensitiv

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1382         self.w_installupdate_menuitem.set_sensitiv
1383         return
1384         self.w_installupdate_button.set_sensitive(False)
1385         self.w_installupdate_menuitem.set_sensitive(False)
1387     def __enable_disable_remove(self):
1388         for row in self.application_list:
1389             if row[enumerations.MARK_COLUMN]:
1390                 if row[enumerations.INSTALLED_VERSION_COLUMN] an
1391                     self.user_rights:
1392                     self.w_remove_button.set_sensitive(True)
1393                     self.w_remove_menuitem.set_sensitive(Tru
1394                     return
1395                 self.w_remove_button.set_sensitive(False)
1396                 self.w_remove_menuitem.set_sensitive(False)
1398     def __enable_disable_select_updates(self):
1399         for row in self.w_application_treeview.get_model():
1400             if row[enumerations.INSTALLED_VERSION_COLUMN]:
1401                 if row[enumerations.LATEST_AVAILABLE_COLUMN]:
1402                     if not row[enumerations.MARK_COLUMN]:
1403                         self.w_selectupdates_menuitem. \
1404                             set_sensitive(True)
1405                     return
1406                 self.w_selectupdates_menuitem.set_sensitive(False)
1407                 return
1409     def __enable_disable_update_all(self):
1410         for row in self.application_list:
1411             if self.__is_pkg_repository_visible(self.application_lis
1412                 row.iter):
1413                 if self.application_list.get_value(row.iter, \
1414                     enumerations.INSTALLED_VERSION_COLUMN):
1415                     if self.application_list.get_value(row.i
1416                         enumerations.LATEST_AVAILABLE_COLUMN
1417                         self.user_rights:
1418                         self.w_updateall_menuitem. \
1419                             set_sensitive(True)
1420                         self.w_updateall_button. \
1421                             set_sensitive(True)
1422                     return
1423                 self.w_updateall_button.set_sensitive(False)
1424                 self.w_updateall_menuitem.set_sensitive(False)
1426     def __enable_disable_deselect(self):
1427         for row in self.w_application_treeview.get_model():
1428             if row[enumerations.MARK_COLUMN]:
1429                 self.w_deselect_menuitem.set_sensitive(True)
1430                 return
1431             self.w_deselect_menuitem.set_sensitive(False)
1432             return
1435     def __catalog_refresh(self, reload_gui=True):
1436         """Update image's catalogs."""
1437         full_refresh = True
1438         try:
1439             self.api_o.refresh(full_refresh)
1440             self.api_o.img.load_catalogs(self.pr)
1441         except api_errors.UnrecognizedAuthorityException:
1442             # In current implementation, this will never happen
1443             # We are not refreshing specific authority
1444             self.__catalog_refresh_done()
1445             raise
1446         except api_errors.PermissionsException, pe:
1447             #Error will already have been reported in

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1448         #Manage Repository dialog
1449         self.__catalog_refresh_done()
1450         return -1
1451     except api_errors.CatalogRefreshException, cre:
1452         total = cre.total
1453         succeeded = cre.succeeded
1454         errmsg = self._("Network problem.\n\n")
1455         errmsg += self._("Details:\n")
1456         errmsg += "%s/%s" % (succeeded, total)
1457         errmsg += self._(" catalogs successfully updated:\n")
1458         for auth, err in cre.failed:
1459             if isinstance(err, HTTPError):
1460                 errmsg += "    %s: %s - %s\n" % \
1461                     (err.filename, err.code, err.msg)
1462             elif isinstance(err, URLError):
1463                 if err.args[0][0] == 8:
1464                     errmsg += "    %s: %s\n" % \
1465                         (urlparse.urlsplit(
1466                             auth["origin"])[1].split(
1467                                 err.args[0][1])
1468                         )
1469                 else:
1470                     if isinstance(err.args[0], \
1471                                 socket.timeout):
1472                         errmsg += "    %s: %s\n"
1473                             (auth["origin"], "ti
1474
1475                     errmsg += "    %s: %s\n"
1476                         (auth["origin"], \
1477                          err.args[0][1])
1478             elif "data" in err.__dict__ and err.data:
1479                 errmsg += err.data
1480             else:
1481                 errmsg += self._("Unknown error")
1482                 errmsg += "\n"
1483
1484         gobject.idle_add(self.error_occured, errmsg, \
1485                         None, gtk.MESSAGE_INFO)
1486         self.__catalog_refresh_done()
1487         return -1
1488
1489     except api_errors.UnrecognizedAuthorityException:
1490         self.__catalog_refresh_done()
1491         raise
1492     except Exception:
1493         self.__catalog_refresh_done()
1494         raise
1495     if reload_gui:
1496         self.__catalog_refresh_done()
1497         return 0
1498
1499     def __get_image_from_directory(self, api_o, progressdialog_progress):
1500         """ This method set up image from the given directory and
1501         returns the image object or None"""
1502         application_list = self.__get_new_application_liststore()
1503         category_list = self.__get_new_category_liststore()
1504         repositories_list = self.__get_new_repositories_liststore()
1505
1506     try:
1507         pkgs_known = [ pf[0] for pf in
1508                       sorted(api_o.img.inventory(all_known = True)) ]
1509     except api_errors.InventoryException:
1510         # Can't happen when all known is true and no args,
1511         # but here for completeness.
1512         err = self._("Error occurred while getting list of packag
1513         gobject.idle_add(self.w_progress_dialog.hide)
1514         gobject.idle_add(self.error_occured, err)

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```

1514         return
1515
1516         #Only one instance of those icons should be in memory
1517         update_available_icon = self.get_icon_pixbuf("status_newupdate")
1518         installed_icon = self.get_icon_pixbuf("status_installed")
1519         #Imageinfo for categories
1520         imginfo = imageinfo.ImageInfo()
1521         sectioninfo = imageinfo.ImageInfo()
1522         catalogs = api_o.img.catalogs
1523         categories = {}
1524         sections = {}
1525         share_path = "/usr/share/package-manager/data/"
1526         for cat in catalogs:
1527             category = imginfo.read(self.application_dir + \
1528                                   share_path + cat)
1529             if len(category) == 0:
1530                 category = imginfo.read(self.application_dir + \
1531                                       share_path + "opensolaris.org")
1532             categories[cat] = category
1533             section = sectioninfo.read(self.application_dir + \
1534                                     share_path + cat + ".sections")
1535             if len(section) == 0:
1536                 section = sectioninfo.read(self.application_dir
1537                                           share_path + "opensolaris.org.sections")
1538             sections[cat] = section
1539         # Speedup, instead of checking if the pkg is already in the list
1540         # iterating through all elements, we will only compare to the pr
1541         # package and if the package is the same (version difference) th
1542         # are adding to the first iterator for the set of those packages
1543         # We can do that, since the list pkgs_known is sorted
1544         # This will give a speedup from 18sec to ~3!!!
1545         p_pkg_iter = None
1546         p_pkg = None
1547         insert_count = 0
1548         icon_path = self.application_dir + \
1549                     "/usr/share/package-manager/data/pixmaps/"
1550
1551         pkg_count = 0
1552         progress_percent = INITIAL_PROGRESS_TOTAL_PERCENTAGE
1553         total_pkg_count = len(pkgs_known)
1554         progress_increment = \
1555             total_pkg_count / PACKAGE_PROGRESS_TOTAL_INCREMENTS
1556
1557         self.progress_stop_timer_thread = True
1558         while gtk.events_pending():
1559             gtk.main_iteration(False)
1560         for pkg in pkgs_known:
1561             if progress_increment > 0 and pkg_count % progress_incre
1562                 progress_percent += PACKAGE_PROGRESS_PERCENT_INC
1563             if progress_percent <= PACKAGE_PROGRESS_PERCENT_
1564                 progressdialog_progress(progress_percent
1565                                         pkg_count, total_pkg_count)
1566                 while gtk.events_pending():
1567                     gtk.main_iteration(False)
1568             pkg_count += 1
1569
1570         #speedup hack, check only last package
1571         already_in_model = \
1572             self.check_if_pkg_have_row_in_model(pkg, p_pkg)
1573         if not already_in_model: #Create new row
1574             available_version = None
1575             version_installed = None
1576             status_icon = None
1577             fmris = [pkg, ]
1578             package_installed = \
1579                 self.get_installed_version(api_o, pkg)

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1580     if package_installed:
1581         version_installed = \
1582             package_installed.version.get_short_
1583             #HACK, sometimes the package is installed
1584             #it's not in the pkgs known
1585             status_icon = installed_icon
1586             if package_installed != pkg:
1587                 fmr.is.append(package_installed)
1588     else:
1589         dt = self.get_datetime(pkg.version)
1590         dt_str = ("%02d%02d" % (dt.month, dt.d
1591         available_version = \
1592             pkg.version.get_short_version() + dt
1593         package_icon = self.__get_pixbuf_from_path(icon_
1594             pkg.get_name())
1595         app = \
1596         [
1597             False, status_icon, package_icon, pkg.ge
1598             version_installed, package_installed,
1599             available_version, -1, '...', fmr.is,
1600             True, None
1601         ]
1602         # XXX Small hack, if this is not applied, first
1603         # is listed twice. Insert is ~0.5 sec faster tha
1604         if insert_count == 0:
1605             row_iter = application_list.append(app)
1606         else:
1607             row_iter = \
1608                 application_list.insert(insert_count
1609                 app)
1610         # XXX Do not iterate through all the catalogs. P
1611         # should know what is package fMRI prefix?
1612         apc = self.__add_package_to_category
1613         app_ls = application_list
1614         for cat in categories:
1615             if cat in categories:
1616                 name = pkg.get_name()
1617                 if name in categories[cat]:
1618                     pkg_categories = \
1619                         categories[cat][ \
1620                             name]
1621                     for pcat in \
1622                         pkg_categories.split
1623                         if pcat:
1624                             apc(self
1625                                 pcat
1626                                 , No
1627                                 row_
1628                                 app_
1629                                 cate
1630
1631         insert_count = insert_count + 1
1632         p_pkg_iter = row_iter
1633         p_pkg = pkg #The current become
1634     else:
1635         # XXX check versions in here. For all installed/
1636         # installed:
1637         # if there is newer version, put it in the avail
1638         # field.
1639         #
1640         # XXXhack, since image_get_version_installed(pkg
1641         # working, as it should. For example package:
1642         # SUNWarc@0.5.11,5.11-0.79:20080205T152309Z
1643         # is not installed and it's newer version of ins
1644         # package:
1645         # SUNWarc@0.5.11,5.11-0.75:20071114T201151Z
1646         # the function returns only proper installed ver

```

```

1646         # the older package and None for the newer.
1647         # The hack is a little bit slow since we are ite
1648         # for all known packages
1649         list_of_pkgs = \
1650             application_list.get_value(p_pkg_iter, \
1651             enumerations.PACKAGE_OBJECT_COLUMN)
1652         if pkg not in list_of_pkgs:
1653             list_of_pkgs.append(pkg)
1654         installed = application_list.get_value(p_pkg_ite
1655             enumerations.INSTALLED_OBJECT_COLUMN)
1656         latest = max(list_of_pkgs)
1657         dt = self.get_datetime(latest.version)
1658         dt_str = ("%02d%02d" % (dt.month, dt.day)
1659         if not installed:
1660             application_list.set_value(p_pkg_iter, \
1661             enumerations.LATEST_AVAILABLE_COLUMN
1662             latest.version.get_short_version() +
1663             dt_str)
1664         else:
1665             if installed < latest:
1666                 application_list.set_value( \
1667                     p_pkg_iter, \
1668                     enumerations. \
1669                     LATEST_AVAILABLE_COLUMN, \
1670                     latest.version.get_short_ver
1671                     dt_str)
1672                 application_list.set_value(\
1673                     p_pkg_iter, \
1674                     enumerations.STATUS_ICON_COL
1675                     update_available_icon)
1676                 # XXX How to get descriptions without manifest?
1677                 # XXX Downloading manifest is slow and can not work with
1678                 # XXX Network connection
1679                 #if not image_obj.has_manifest(pkg):
1680                 #    image_obj.get_manifest(pkg)#verify(pkg, pr)
1681                 #installed_version = None
1682                 #package_iter = None #the iterator which points for othe
1683                 for authority in sections:
1684                     for section in sections[authority]:
1685                         for category in sections[authority][section].spl
1686                             self.__add_category_to_section(self.__(ca
1687                             self.__(section), category_list)
1688
1689         #1915 Sort the Categories into alphabetical order and prepend All
1690         if len(category_list) > 0:
1691             rows = [(i, r) for i, r in enumerate(category_1
1692             rows.sort(self.__sort)
1693             r = []
1694             category_list.reorder([r[-1] for r in rows])
1695             category_list.prepend([0, self.__('All'), None, None, True, None]
1696
1697         progressdialog_progress(PACKAGE_PROGRESS_PERCENT_TOTAL, pkg_coun
1698             total_pkg_count)
1699         gobject.idle_add(self.process_package_list_end, api_o, \
1700             application_list, category_list, repositories_list)
1701
1702     def __add_package_to_category(self, category_name, category_description,
1703         category_icon, package, application_list, category_list):
1704         if not package or category_name == self.__('All'):
1705             return
1706         if not category_name:
1707             return
1708         # XXX check if needed
1709         # category_name = self.__('All')
1710         # category_description = self.__('All packages')
1711         # category_icon = None

```

```

1712     category_ref = None
1713     for category in category_list:
1714         if category[enumerations.CATEGORY_NAME] == category_name
1715             category_ref = category.iter
1716     if not category_ref: # Category not exists
1717         category_ref = category_list.append([len( \
1718             category_list)+1, category_name, category_descriptio
1719             category_icon, True, None])
1720     if category_ref:
1721         if application_list.get_value(package, \
1722             enumerations.CATEGORY_LIST_OBJECT):
1723             a = application_list.get_value(package, \
1724                 enumerations.CATEGORY_LIST_OBJECT)
1725             a.append(category_ref)
1726     else:
1727         category_list = []
1728         category_list.append(category_ref)
1729         application_list.set(package, \
1730             enumerations.CATEGORY_LIST_OBJECT, category_

1732 def __add_category_to_section(self, category_name, section_name, categor
1733     '''Adds the section to section list in category. If there is no
1734     section, than it is not added. If there was already section than
1735     is skipped. Sections must be case sensitive'''
1736     if not category_name:
1737         return
1738     for section in self.section_list:
1739         if section[enumerations.SECTION_NAME] == section_name:
1740             for category in category_list:
1741                 if category[enumerations.CATEGORY_NAME]
1742                     category_name:
1743                     if not category[ \
1744                         enumerations.SECTION_LIST_OB
1745                         category[ \
1746                             enumerations. \
1747                                 SECTION_LIST_OBJECT]
1748                             [section[ \
1749                                 enumerations.SECTION
1750                                 else:
1751                                     if not section_name in \
1752                                         category[ \
1753                                             enumerations. \
1754                                                 SECTION_LIST_OBJECT]
1755                                                 category[enumera
1756                                                 SECTION_LIST
1757                                                 ].append(sec
1758                                                 enumerations
1759                                                 SECTION_ID])

1761 def __get_pixbuf_from_path(self, path, icon_name):
1762     icon = icon_name.replace(' ', '_')

1764     # Performance: Faster to check if files exist rather than catchi
1765     # exceptions when they do not. Picked up open failures using dtr
1766     png_exists = os.path.exists(self.application_dir + path + icon +
1767     svg_exists = os.path.exists(self.application_dir + path + icon +

1769     if not png_exists and not svg_exists:
1770         return None
1771     try:
1772         return gtk.gdk.pixbuf_new_from_file( \
1773             self.application_dir + path + icon + ".png")
1774     except GObject.GError:
1775         try:
1776             return gtk.gdk.pixbuf_new_from_file( \
1777                 self.application_dir + path + icon + ".svg")

```

```

1778     except GObject.GError:
1779         iconview = gtk.IconView()
1780         icon = iconview.render_icon(getattr(gtk, \
1781             "STOCK_MISSING_IMAGE"), \
1782             size = gtk.ICON_SIZE_MENU,
1783             detail = None)
1784         # XXX Could return image-we don't want to show u
1785         return None

1787 def __progressdialog_progress_pulse(self):
1788     while not self.progress_stop_timer_thread:
1789         gobject.idle_add(self.w_progressbar.pulse)
1790         time.sleep(0.1)
1791     gobject.idle_add(self.w_progress_dialog.hide)
1792     self.progress_stop_timer_thread = False

1793 # For initial setup before loading package entries allow 5% of progress
1794 # update it on a time base as we have no other way to judge progress at
1795 def __progressdialog_progress_time(self):
1796     while not self.progress_stop_timer_thread and \
1797         self.progress_fraction_time_count <= \
1798             INITIAL_PROGRESS_TOTAL_PERCENTAGE:
1799         gobject.idle_add(self.w_progressbar.set_fraction, \
1800             self.progress_fraction_time_count)
1801         self.progress_fraction_time_count += \
1802             INITIAL_PROGRESS_TIME_PERCENTAGE
1803         time.sleep(INITIAL_PROGRESS_TIME_INTERVAL)
1804         self.progress_stop_timer_thread = False
1805         self.progress_fraction_time_count = 0

1809 def __progressdialog_progress_percent(self, fraction, count, total):
1810     gobject.idle_add(self.w_progressinfo_label.set_text, self._(\
1811         "Processing package entries: %d of %d") % (count, total) )
1812     gobject.idle_add(self.w_progressbar.set_fraction, fraction)

1814 def error_occured(self, error_msg, msg_title=None, msg_type=gtk.MESSAGE_
1815     msgbox = gtk.MessageDialog(parent = \
1816         self.w_main_window, \
1817         buttons = gtk.BUTTONS_CLOSE, \
1818         flags = gtk.DIALOG_MODAL, \
1819         type = msg_type, \
1820         message_format = None)
1821     msgbox.set_markup(error_msg)
1822     title = None
1823     if msg_title:
1824         title = msg_title
1825     else:
1826         title = self._("Package Manager")
1827     msgbox.set_title(title)
1828     msgbox.run()
1829     msgbox.destroy()

1831 #-----#
1832 # Static Methods
1833 #-----#

1835 @staticmethod
1836 def N_(message):
1837     return message

1839 @staticmethod
1840 def __sort(a, b):
1841     return cmp(a[1], b[1])

1843 @staticmethod

```

```

1844     def __installed_fmris_from_args(api_o, args_f):
1845         found = []
1846         notfound = []
1847         try:
1848             for m in api_o.img.inventory(args_f):
1849                 found.append(m[0])
1850         except api_errors.InventoryException, e:
1851             notfound = e.notfound
1852
1853         return notfound
1854
1855     @staticmethod
1856     def cell_data_function(column, renderer, model, itr, data):
1857         '''Function which sets the background colour to black if package
1858         selected'''
1859         if itr:
1860             if model.get_value(itr, enumerations.MARK_COLUMN):
1861                 renderer.set_property("cell-background", "#ffe5c
1862                 renderer.set_property("cell-background-set", Tru
1863             else:
1864                 renderer.set_property("cell-background-set", Fal
1865
1866     @staticmethod
1867     def combobox_separator(model, itr):
1868         return model.get_value(itr, enumerations.FILTER_NAME) == ""
1869
1870     @staticmethod
1871     def combobox_id_separator(model, itr):
1872         return model.get_value(itr, 0) == -1
1873
1874     @staticmethod
1875     def check_if_pkg_have_row_in_model(pkg, p_pkg):
1876         """Returns True if package is already in model or False if not"""
1877         if p_pkg:
1878             if pkg.is_same_pkg(p_pkg):
1879                 return True
1880             else:
1881                 return False
1882         return False
1883
1884     @staticmethod
1885     def category_filter(model, itr):
1886         '''This function filters category in the main application view'''
1887         return model.get_value(itr, enumerations.CATEGORY_VISIBLE)
1888
1889     @staticmethod
1890     def get_datetime(version):
1891         dt = None
1892         try:
1893             dt = version.get_datetime()
1894         except AttributeError:
1895             dt = version.get_timestamp()
1896         return dt
1897
1898     @staticmethod
1899     def get_installed_version(api_o, pkg):
1900         return api_o.img.get_version_installed(pkg)
1901
1902     @staticmethod
1903     def get_manifest(img, package, filtered = True):
1904         '''helper function'''
1905         # XXX Should go to the -> imageinfo.py
1906         manifest = None
1907
1908         # 3087 shutdown time is too long when closing down soon after st
1909         if packagemanager.cancelled:

```

```

1910         return manifest
1911     try:
1912         manifest = img.get_manifest(package, filtered)
1913     except OSError:
1914         # XXX It is possible here that the user doesn't have net
1915         # XXX proper permissions to save manifest, should we do
1916         # XXX and popup information dialog?
1917         pass
1918     except (retrieve.ManifestRetrievalError,
1919           retrieve.DatastreamRetrievalError, NameError):
1920         pass
1921     return manifest
1922
1923     @staticmethod
1924     def update_desc(description, pkg):
1925         pkg[enumerations.DESCRPTION_COLUMN] = description
1926         return
1927
1928 #-----#
1929 # Public Methods
1930 #-----#
1931     def setup_progressdialog_show(self):
1932         self.w_progress_dialog.set_title(self._("Loading Repository Info
1933         self.w_progressinfo_label.set_text(
1934             self._("Fetching package entries ..."))
1935         self.w_progress_cancel.hide()
1936         self.w_progress_dialog.show()
1937         Thread(target = self.__progressdialog_progress_time).start()
1938
1939     def init_sections(self):
1940         self.__init_sections() #Initiates sections
1941
1942     def init_show_filter(self):
1943         self.__init_show_filter() #Initiates filter
1944
1945     def reload_packages(self):
1946         self.api_o = self.__get_api_object(self.image_directory, self.pr
1947         self.__on_reload(None)
1948
1949     def process_package_list_start(self, image_directory):
1950         self.cancelled = True
1951         self.setup_progressdialog_show()
1952         while gtk.events_pending():
1953             gtk.main_iteration(False)
1954         self.image_directory = image_directory
1955         # Create our image object based on image directory.
1956         api_o = self.__get_api_object(image_directory, self.pr)
1957         api_o.img.load_catalogs(self.pr)
1958         self.api_o = api_o
1959         # Acquire image contents and update progress bar as you do so.
1960         Thread(target = self.__get_image_from_directory, args = (api_o,
1961             self.__progressdialog_progress_percent)).start()
1962
1963     @staticmethod
1964     def __get_api_object(img_dir, progtrack):
1965         api_o = None
1966         try:
1967             api_o = api.ImageInterface(img_dir, \
1968                 CLIENT_API_VERSION, \
1969                 progtrack, None, PKG_CLIENT_NAME)
1970         except (api_errors.VersionException, \
1971             api_errors.ImageNotFoundException):
1972             raise
1973         return api_o
1974
1975     def process_package_list_end(self, api_o, application_list, \

```

```

1976     category_list, repositories_list):
1977     self.__init_tree_views(application_list, category_list, reposito
1978     self.update_statusbar()
1979     self.in_setup = False
1980     self.__setup_repositories_combobox(api_o, repositories_list)
1981     self.cancelled = False
1982     while gtk.events_pending():
1983         gtk.main_iteration(False)
1984     self.w_categories_treeview.expand_all()
1985     self.w_categories_treeview.grab_focus()
1986     self.w_categories_treeview.set_cursor(0, \
1987         None, start_editing=False)
1988     self.w_application_treeview.expand_all()
1989     while gtk.events_pending():
1990         gtk.main_iteration(False)
1991     self.__get_manifests_thread()
1992     self.w_progress_dialog.hide()

1994 def __get_manifests_thread(self):
1995     Thread(target = self.get_manifests_for_packages,
1996           args = ()).start()

1998 def get_icon_pixbuf(self, icon_name):
1999     #2821: The get_icon_pixbuf should use PACKAGE_MANAGER_ROOT
2000     return self.__get_pixbuf_from_path(self.application_dir + \
2001         "/usr/share/icons/package-manager/", icon_name)

2003 def get_manifests_for_packages(self):
2004     ''' Function, which get's manifest for packages. If the manifest
2005     locally tries to retrieve it. For installed packages gets manife
2006     for the particular version (local operation only), if the packag
2007     not installed than the newest one'''
2008     time.sleep(3)
2009     count = 0
2010     self.description_thread_running = True
2011     img = self.api_o.img
2012     img.history.operation_name = "info"
2013     for pkg in self.application_list:
2014         if self.cancelled:
2015             self.description_thread_running = False
2016             return
2017         info = None
2018         img = self.api_o.img
2019         package = pkg[enumerations.INSTALLED_OBJECT_COLUMN]
2020         if (img and package):
2021             man = self.get_manifest(img, package, filtered =
2022                 if man:
2023                     info = man.get("description", "")
2024             elif img:
2025                 newest = max( \
2026                     pkg[enumerations.PACKAGE_OBJECT_COLUMN])
2027                 man = self.get_manifest(img, newest, \
2028                     filtered = True)
2029                 if man:
2030                     info = man.get("description", "")
2031             gobject.idle_add(self.update_desc, info, pkg)
2032             count += 1
2033             if count % 2 == 0:
2034                 time.sleep(0.001)
2035     img.history.operation_name = "info"
2036     img = self.api_o.img
2037     img.history.operation_result = history.RESULT_SUCCEEDED
2038     self.description_thread_running = False

2040 def update_statusbar(self):
2041     '''Function which updates statusbar'''

```

```

2042     installed = 0
2043     selected = 0
2044     broken = 0
2045     for pkg in self.application_list:
2046         if pkg[enumerations.INSTALLED_VERSION_COLUMN]:
2047             installed = installed + 1
2048         if pkg[enumerations.MARK_COLUMN]:
2049             selected = selected + 1
2050     listed_str = self.__('%d packages listed') % len(self.application
2051     inst_str = self.__('%d installed') % installed
2052     sel_str = self.__('%d selected') % selected
2053     broken_str = self.__('%d broken') % broken
2054     self.w_main_statusbar.push(0, listed_str + ', ' + inst_str + ',
2055         sel_str + ', ' + broken_str + '.')

2058 def update_package_list(self, update_list):
2059     img = self.api_o.img
2060     img.clear_pkg_state()
2061     img.load_catalogs(self.pr)
2062     installed_icon = self.get_icon_pixbuf("status_installed")
2063     for row in self.application_list:
2064         status_icon = None
2065         if row[enumerations.MARK_COLUMN] or \
2066             row[enumerations.NAME_COLUMN] in update_list:
2067             pkg = row[enumerations.PACKAGE_OBJECT_COLUMN][0]
2068             package_installed = \
2069                 self.get_installed_version(self.api_o, pkg)
2070             version_installed = None
2071             if package_installed:
2072                 status_icon = installed_icon
2073                 version_installed = \
2074                     package_installed.version.get_short_
2075             row[enumerations.MARK_COLUMN] = False
2076             row[enumerations.INSTALLED_VERSION_COLUMN] = \
2077                 version_installed
2078             row[enumerations.INSTALLED_OBJECT_COLUMN] = \
2079                 package_installed
2080             row[enumerations.STATUS_ICON_COLUMN] = \
2081                 status_icon
2082             if not package_installed:
2083                 pkg = max(row[enumerations.PACKAGE Objec
2084                 dt = self.get_datetime(pkg.version)
2085                 dt_str = (":%02d%02d") % (dt.month, dt.d
2086                 available_version = \
2087                     pkg.version.get_short_version() + dt
2088                 row[enumerations.LATEST_AVAILABLE_COLUMN
2089                 available_version
2090             else:
2091                 row[enumerations.LATEST_AVAILABLE_COLUMN
2092     self.w_installupdate_button.set_sensitive(False)
2093     self.w_installupdate_menuitem.set_sensitive(False)
2094     self.w_remove_button.set_sensitive(False)
2095     self.w_remove_menuitem.set_sensitive(False)
2096     self.__enable_disable_selection_menus()
2097     self.update_statusbar()

2099 def shutdown_after_ips_update(self):

2101     # 2790: As IPS and IPS-GUI have been updated the IPS GUI must be
2102     # and restarted
2103     msgbox = gtk.MessageDialog(parent = self.w_main_window, \
2104         buttons = gtk.BUTTONS_OK, \
2105         flags = gtk.DIALOG_MODAL, type = gtk.MESSAGE_INFO, \
2106         message_format = self.__("SUNWipkg and SUNWipkg-gui have been
2107         "updated and Package Manager will now be restarted.\n\nAfter

```

```

2108         "restart select Update All to continue.))
2109         msgbox.set_title(self._("Update All"))
2110         msgbox.run()
2111         msgbox.destroy()
2112         self.__main_application_quit(restart_app = True)

2114     def shutdown_after_image_update(self):

2116         msgbox = gtk.MessageDialog(parent = self.w_main_window, \
2117             buttons = gtk.BUTTONS_OK, \
2118             flags = gtk.DIALOG_MODAL, type = gtk.MESSAGE_INFO, \
2119             message_format = self._("Update All has completed and Packag
2120             Manager will now exit.\n\nPlease reboot after reviewing the
2121             release notes posted at:\n\n" \
2122             "http://opensolaris.org/os/project/indiana/resources/" \
2123             "relnotes/200811/x86/"))
2124         msgbox.set_title(self._("Update All"))
2125         msgbox.run()
2126         msgbox.destroy()
2127         self.__main_application_quit()

2129 #####
2130 #-----#
2131 # Test functions
2132 #-----#
2133     def fill_with_fake_data(self):
2134         '''test data for gui'''
2135         self.application_list = self.__get_new_application_liststore()
2136         self.category_list = self.__get_new_category_liststore()
2137         self.section_list = self.__get_new_section_liststore()
2138         self.filter_list = self.__get_new_filter_liststore()
2139         self.repositories_list = self.__get_new_repositories_liststore()

2141     app1 = [False, self.get_icon_pixbuf("locked"), \
2142         self.get_icon_pixbuf("None"), "acc", None, None, None, 4, "d
2143         Object Name1", None, True, None]
2144     app2 = [False, self.get_icon_pixbuf("update_available"), \
2145         self.get_icon_pixbuf(self._('All')), "acc_gam", \
2146         "2.3", None, "2.8", \
2147         4, "desc7", "Object Name2", None, True, None]
2148     app3 = [False, self.get_icon_pixbuf("None"), \
2149         self.get_icon_pixbuf("Other"), "gam_grap", "2.3", None, None
2150         "desc8", "Object Name3", None, True, None]
2151     app4 = [False, self.get_icon_pixbuf("update_locked"), \
2152         self.get_icon_pixbuf("Office"), "grap_gam", "2.3", None, "2.
2153         "desc9", "Object Name2", None, True, None]
2154     app5 = [False, self.get_icon_pixbuf("update_available"), \
2155         self.get_icon_pixbuf("None"), "grap", "2.3", None, "2.8", 4,
2156         "desc0", "Object Name3", None, True, None]
2157     itr1 = self.application_list.append(app1)
2158     itr2 = self.application_list.append(app2)
2159     itr3 = self.application_list.append(app3)
2160     itr4 = self.application_list.append(app4)
2161     itr5 = self.application_list.append(app5)
2162     # self.__add_package_to_category_(("All"),None,None,None);
2163     self.__add_package_to_category(self._("Accessories"), \
2164         None, None, itr1, self.application_list, self.category_list)
2165     self.__add_package_to_category(self._("Accessories"), None, None
2166     self.application_list, self.category_list)
2167     self.__add_package_to_category(self._("Games"), None, None, itr3
2168     self.application_list, self.category_list)
2169     self.__add_package_to_category(self._("Graphics"), None, None, i
2170     self.application_list, self.category_list)
2171     self.__add_package_to_category(self._("Games"), None, None, itr2
2172     self.application_list, self.category_list)
2173     self.__add_package_to_category(self._("Graphics"), None, None, i

```

```

2174         self.application_list, self.category_list)
2175         self.__add_package_to_category(self._("Games"), None, None, itr4
2176         self.application_list, self.category_list)
2177         self.__add_package_to_category(self._("Graphics"), None, None, i
2178         self.application_list, self.category_list)

2180     # Category names until xdg is imported.
2181     # from xdg.DesktopEntry import *
2182     # entry = DesktopEntry ()
2183     # directory = '/usr/share/desktop-directories'
2184     # for root, dirs, files in os.walk (directory):
2185     #     for name in files:
2186     #         entry.parse (os.path.join (root, name))
2187     #         self.__add_category_to_section (entry.getName (), \
2188     #             self._('Applications Desktop'))

2190         self.__add_category_to_section(self._("Accessories"), \
2191             self._('Applications Desktop'), self.category_list)
2192         self.__add_category_to_section(self._("Games"), \
2193             self._('Applications Desktop'), self.category_list)
2194         self.__add_category_to_section(self._("Graphics"), \
2195             self._('Applications Desktop'), self.category_list)
2196         self.__add_category_to_section(self._("Internet"), \
2197             self._('Applications Desktop'), self.category_list)
2198         self.__add_category_to_section(self._("Office"), \
2199             self._('Applications Desktop'), self.category_list)
2200         self.__add_category_to_section(self._("Sound & Video"), \
2201             self._('Applications Desktop'), self.category_list)
2202         self.__add_category_to_section(self._("System Tools"), \
2203             self._('Applications Desktop'), self.category_list)
2204         self.__add_category_to_section(self._("Universal Access"), \
2205             self._('Applications Desktop'), self.category_list)
2206         self.__add_category_to_section(self._("Developer Tools"), \
2207             self._('Applications Desktop'), self.category_list)
2208         self.__add_category_to_section(self._("Core"), \
2209             self._('Operating System'), self.category_list)
2210         self.__add_category_to_section(self._("Graphics"), \
2211             self._('Operating System'), self.category_list)
2212         self.__add_category_to_section(self._("Media"), \
2213             self._('Operating System'), self.category_list)
2214         #Can be twice :)
2215         self.__add_category_to_section(self._("Developer Tools"), \
2216             self._('Operating System'), self.category_list)
2217         self.__add_category_to_section(self._("Office"), "Progs", \
2218             self.category_list)
2219         self.__add_category_to_section(self._("Office2"), "Progs", \
2220             self.category_list)
2221         self.__setup_repositories_combobox(self.api_o)
2222         self.in_setup = False

2224 #####
2225 #-----#
2226 # Main
2227 #-----#

2229     def main():
2230         gtk.main()
2231         return 0

2233     if __name__ == '__main__':
2234         packagemanager = PackageManager()
2235         passed_test_arg = False
2236         passed_imagedir_arg = False
2237         packagemanager.provided_image_dir = True

2239     try:

```

```
2240         opts, args = getopt.getopt(sys.argv[1:], "htR:", \
2241             ["help", "test-gui", "image-dir="])
2242     except getopt.error, msg:
2243         print "%s, for help use --help" % msg
2244         sys.exit(2)
2246
2247     cmd = os.path.join(os.getcwd(), sys.argv[0])
2248     cmd = os.path.realpath(cmd)
2249     packagemanager.application_path = cmd
2250
2251     for option, argument in opts:
2252         if option in ("-h", "--help"):
2253             print ""\
2254 Use -R (--image-dir) to specify image directory.
2255 Use -t (--test-gui) to work on fake data.""
2256             sys.exit(0)
2257         if option in ("-t", "--test-gui"):
2258             passed_test_arg = True
2259         if option in ("-R", "--image-dir"):
2260             packagemanager.image_dir_arg = argument
2261             image_dir = argument
2262             passed_imagedir_arg = True
2263
2264     if passed_test_arg and passed_imagedir_arg:
2265         print "Options -R and -t can not be used together."
2266         sys.exit(2)
2267     if not passed_imagedir_arg:
2268         try:
2269             image_dir = os.environ["PKG_IMAGE"]
2270         except KeyError:
2271             image_dir = os.getcwd()
2272             packagemanager.provided_image_dir = False
2273
2274     while gtk.events_pending():
2275         gtk.main_iteration(False)
2276
2277     packagemanager.init_sections()
2278     packagemanager.init_show_filter()
2279
2280     if not passed_test_arg:
2281         packagemanager.process_package_list_start(image_dir)
2282     else:
2283         packagemanager.fill_with_fake_data()
2284
2285     main()
```

```

*****
3225 Tue Dec  2 11:47:27 2008
new/src/pkgdefs/SUNWipkg-gui/Makefile
*** NO COMMENTS ***
*****
1 #
2 # CDDL HEADER START
3 #
4 # The contents of this file are subject to the terms of the
5 # Common Development and Distribution License (the "License").
6 # You may not use this file except in compliance with the License.
7 #
8 # You can obtain a copy of the license at usr/src/OPENSOLARIS.LICENSE
9 # or http://www.opensolaris.org/os/licensing.
10 # See the License for the specific language governing permissions
11 # and limitations under the License.
12 #
13 # When distributing Covered Code, include this CDDL HEADER in each
14 # file and include the License file at usr/src/OPENSOLARIS.LICENSE.
15 # If applicable, add the following below this CDDL HEADER, with the
16 # fields enclosed by brackets "[]" replaced with your own identifying
17 # information: Portions Copyright [yyyy] [name of copyright owner]
18 #
19 # CDDL HEADER END
20 #
21 # Copyright 2008 Sun Microsystems, Inc. All rights reserved.
22 # Use is subject to license terms.
23 #

25 MACH:sh = uname -p

27 ROOT = ../../../../proto/root_$(MACH)
28 PKGARCHIVE = ../../../../packages/$(MACH)

30 # by default create only the sysv package; failure of the IPS package to build
31 # may confuse without enlightening.
32 install: sysv-pkg

34 sysv-pkg: $(PKGARCHIVE) prototype
35     pkgmk -a $(MACH) -o -r $(ROOT) -d $(PKGARCHIVE)

37 prototype: FRC
38     rm -f prototype
39     (cd $(ROOT); pkgproto .) | \
40     nawk 'BEGIN { \
41         print "i pkginfo"; \
42         print "i copyright" \
43     } \
44     $$1 == "d" { \
45         $$4 = "755" \
46     } \
47     $$1 == "f" { \
48         $$4 = "444" \
49     } \
50     $$1 == "f" && $$3 ~ /bin\/packagemanager/ { \
51         $$4 = "755" \
52     } \
53     { \
54         $$5 = "root"; \
55         $$6 = "bin"; \
56     } \
57     $$3 ~ /(share\/gnome|\/applications\/packagemanager.desktop|\/
58     $$6 = "other"; \
59     } \
60     $$3 ~ /(share\/gnome\/help\/package-manager\/C|\/package-mana
61     $$3 ~ /(share\/gnome\/help\/package-manager\/C|\/package-mana

```

```

61         $$6 = "bin"; \
62     } \
63     $$3 ~ /^(usr\/share)?$$/ { \
64         $$6 = "sys"; \
65     } \
66     $$3 ~ /^(usr\/bin\/packagemanager)?|usr\/(lib\/python2.4(\
67     $$3 ~ /^(usr\/bin\/packagemanager)?|usr\/(lib\/python2.4(\
68         print \
69         }' > prototype

70 $(PKGARCHIVE):
71     [ -d $(PKGARCHIVE) ] || mkdir -p $(PKGARCHIVE)

73 FRC:

```