
Subject: Re: IDL installation tip for Linux
Posted by [penteado](#) on Fri, 22 Jan 2010 00:04:09 GMT
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I just tested it. I installed F12 from the install DVD, and selected even less than the default packages. That is, in the package selection screen shown at

http://docs.fedoraproject.org/install-guide/f12/en-US/html/s_1-pkgselection-x86.html

I deselected the "Office and Productivity" group. I did no other changes to package selection during installation.

Then, after installing IDL 7.1.1, to get idl and idlde working, I had to do:

```
yum install libXp
yum install libXpm
```

These got idl working, but not idlde. Then:

```
yum install AdobeReader_enu.i486
yum install java-1.6.0-openjdk.i686
```

After setting up adobe-linux-i386.repo, obviously. That got idlde to work. Then to get them to work also on 32 bit mode, I had to do:

```
yum install libXpm.i686
yum install libXmu.i686
/sbin/restorecon '/opt/itt/idl71/bin/bin.linux.x86/libidl.so.7.1'
chcon -t textrel_shlib_t '/opt/itt/idl71/bin/bin.linux.x86/libidl.so.7.1'
```

That got idl -32 to work. Then, for idlde -32 to work, it was necessary:

```
chcon -t execmem_exec_t '/opt/itt/idl71/bin/bin.linux.x86/
idl_opserver'
```

The libXp, libXpm and libXmu libraries installed just a single package each. Adobe Reader and Java had a large number of dependencies. I saved into a file the names of all packages that got installed, and more details about the error messages at each point. Let me know if you want to see those.

As I remember, when I did a similar install in another system, installing Skype from its repository had a similar effect as installing Adobe Reader.

In addition to adding Tech Tips to the website, once you determine all libraries that are needed in addition to a default install of the main distributions, this information should be incorporated into the install script. That is, it should try to determine which is the current distribution. Then, it finds the distribution is one of those it knows, it should test for the presence of the known additional dependencies, and report the missing ones.

In the case of F12, testing for the distribution can be done looking for the file `/etc/system-release`, which contains

Fedora release 12 (Constantine)

And I guess the same is present also on older versions of Fedora (I know it is in F11). Then, in Fedora systems, simple rpm query commands can be used to find out if the other libraries are installed.
