What to do when a Linux system library is missing?

2025-05-23 - Comments (0) - Setup / update

When a shared library is missing, you typically need to install the package that provides the required library. The exact package name and installation method depend on your Linux distribution. Below are some common examples:

Fedora 7

Error:

```
error while loading shared libraries: libXp.so.6: cannot open shared
object file: No such file or directory
```

Solution:

```
yum install libXp
```

Note
Note the correct capitalization: uppercase **X**, lowercase **p**.

RHEL 5 (64-bit)

Error:

```
/opt/t32/bin/pc_linux/t32mppc: error while loading shared libraries:
libXmu.so.6: wrong ELF class: ELFCLASS64
```

Cause:
Not all required 32-bit libraries are installed on the 64-bit system.

Solution:
Install the 32-bit version of the libXmu package along with its dependencies.

Example:

```
yum install libXmu.i386
```

Ubuntu 12.04 (64-bit)

Error:

```
error while loading shared libraries: libjpeg.so.62: cannot open
shared object file: No such file or directory
```

Solution:

```
sudo apt-get install libjpeg62
```

openSUSE 13.1 (64-bit)

Error 1:

```
error while loading shared libraries: libjpeg.so.62: cannot open
shared object file: No such file or directory
```

Solution:

Install the missing package using YaST or zypper:

```
sudo zypper install libjpeg62
```

Error 2:

```
error while loading shared libraries: libXp.so.6: cannot open shared
object file: No such file or directory
```

Solution:

```
sudo zypper install libXp6
```

Tags
Linux