Module Manager GUI should fail gracefully if a remote module cannot be downloaded

09/08/2011 07:10 PM - Derik Barseghian

Description
If you release a patch, e.g. loader-2.1.1, and a kepler 2.2 user downloads it and restarts, they will then be unable to download a suite that contains loader-2.2.0. The last messages I see on console are:
Release: https://code.kepler-project.org/code/kepler/releases/test-releases/
Downloading kepler-2.3.0...
Downloading outreach-2.2.0...
Downloading apple-extensions-2.1.0...
Downloading r-2.3.0...
Downloading loader-2.2.0...

Sidebug: these Downloading messages appear even if no download occurs because you already have it. Confusing.

In this case kepler-2.3.0 and r-2.3.0 are downloaded, but that's it. I've tried twice, same behavior. No indication of failure appears. My KeplerData/kepler.modules/ then contains:

build-area
kepler-2.3.0
kepler-2.3.0.zip
loader-2.1.1
loader-2.1.1.zip
r-2.3.0
r-2.3.0.zip

History
#1 - 09/09/2011 12:27 PM - Derik Barseghian
My mistake, this was because a module isn't published.
Changing title -- if a module cannot be downloaded, fail gracefully (show a message, un-depress Apply and Restart button, etc).
We also shouldn't show a message on console saying a module is being downloaded until it's actually being downloaded.

#2 - 09/23/2011 09:03 PM - Derik Barseghian
punting to 2.4.0.

#3 - 08/07/2012 03:55 PM - jianwu jianwu
two ways to reproduce the bug: 1) close internet connection just before downloading start; 2) have an unpublished module in the suite to be downloaded.

#4 - 09/12/2012 04:32 PM - jianwu jianwu
At version 30650, kepler now throws and checks exception if the url is not accessible. It will popup a dialogue about the error.
To test it, change releaseLocation in module-manager/resources/configurations/configuration.xml to be "https://code.kepler-project.org/code/kepler/releases/test-releases/". And try to switch to master-slave-2.2.1.
I didn't add connection time out except throw and checking because it's hard to estimate the download time. Also module manager itself heavily use internet. I think it is reasonable to assume the internet is connected.
I think I can close the bug. I'll leave it open for a while for more tests.

#5 - 09/18/2012 05:14 PM - jianwu jianwu
it works for me at version 30710. re-assign Derik to test.
First I just tried to test downloading kepler-2.3.0 from kepler trunk, but now I just instantly get a bunch of Downloading messages:

```
[run] Downloading kepler-2.3.0...
[run] Downloading outreach-2.2.1...
```

etc., but no modules get downloaded to my system. I then get the new warning:

The following modules are not present:

```
kepler-2.3.0
```

Do you still want to exit the Module Manager?

If I click Yes, I get an error popup (which seems weird, why does this happen?)

The following modules are missing:

```
kepler-2.3.0
```

If I click OK I get some FileNotFoundExceptions related to trying to find install-path.txt at a bogus path (see below trace). Please break out these other issues into different bugs as you see fit.

```
[run] AvailableModulesPanel notifying shutdown listeners of impending shutdown. Closing any open databases may take awhile...
[run] AvailableModulesPanel Spawning new Kepler process
[run] JVM Memory = 5m 768m
[run] RunClasspath:kepler-2.3.0 /Users/derik/dev2/kepler.modules.regular/kepler-2.3.0/src
[run] Exception in thread "AWT-EventQueue-0" java.io.FileNotFoundException: /Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar/build-area/install-path.txt (No such file or directory)
[run]     at org.kepler.build.modules.ModulesTask.execute(ModulesTask.java:106)
```

Kepler failed to launch. Trying to launch Module Manager GUI using basePath:/Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar

```
[run] The base dir is /Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar
[run] at javax.swing.SwingWorker$5.run(SwingWorker.java:717)
[run] at java.awt.EventQueue.dispatchEvent(EventQueue.java:672)
[run] at java.awt.EventQueue$3.run(EventQueue.java:675)
[run] at java.security.AccessController.doPrivileged(Native Method)
[run] at java.awt.EventQueue$3.run(EventQueue.java:677)
[run] at java.awt.EventQueue$3.run(EventQueue.java:675)
[5/3/2020]
```
Caused by: java.io.FileNotFoundException: /Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar/build-area/install-path.txt (No such file or directory)

java.io.FileNotFoundException: /Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar/build-area/install-path.txt (No such file or directory)

Caused by: java.io.FileNotFoundException: /Users/derik/dev2/kepler.modules.regular/kepler-tasks/lib/jar/build-area/install-path.txt (No such file or directory)
Re: comment6, this was likely caused by having 0-sized zip files in my trunk kepler.modules checkout. Last night I forgot when working off trunk, zips get downloaded here, instead of KeplerData/kepler.modules/.

Ok I tried Jianwu's scenario is comment4 and got the new error alert, so that works. “Downloading” messages still appear on console even when you already have the zips. A fix for this wasn't immediately apparent, so I adjusted the msg to say “Downloading (if necessary)” and added a FIXME to the code. I added a bug for this: bug#5716

Original Bugzilla ID was 5489