

## Cognitive Interaction Toolkit - Bug #226

### Please make the Jenkins installer use a `_STATIC_` package

2014-04-07 11:50 - Florian Lier

<b>Status:</b>	Closed	<b>Start date:</b>	2014-04-07
<b>Priority:</b>	Immediate	<b>Due date:</b>	
<b>Assignee:</b>	Johannes Wienke	<b>% Done:</b>	100%
<b>Category:</b>	Recipe	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	Toolkit 0.1	<b>Spent time:</b>	9.66 hours
<b>Description</b>			
<p>Today I wanted to convince a colleague to make use of the new tool chain, aka toolkit-distribution using recipes via local Jenkins, instead of the Gar-Installer (which my colleague is used to and which he really likes) to distribute his components. After explaining him the advantages of the "new" approach he was willing to try it.</p> <p><b>BUT</b></p> <p>Again, the Jenkins bootstrapping failed because some plugins couldn't be fetched (Git, Build-Flow), which I only found out by checking the Jenkins config via Jenkins GUI. Comment of the the colleague:</p> <p><b>"Okay, at this point I would already be lost..."</b></p> <p>Additionally, somehow Jenkins is not able to find the Plugin repository (Jenkins version is: Jenkins ver. 1.532.2) so I really wasn't able to create all Jobs because the build-generator fails, again, because Jenkins was not setup correctly.</p> <p>IMHO this is basically <i>A SHOW STOPPER</i> we will not be able to convince people to use our new tool chain (I am fully convinced it's the right way to go) if the setup already fails, especially because Jenkins is such a central component.</p> <p>I really <b>don't blame</b> the implementation/developer of the installer script, dynamic web-based fetching of plugins is simply a "fragile" thing.</p> <p>I would like to vote for a hosted tar.gz file including all the required plugins and Jenkins itself.</p> <p>Any comments?</p>			

#### Associated revisions

##### Revision 32e6988c - 2014-04-08 13:53 - Johannes Wienke

Configure update site correctly

Despite using the LTS update site for first plugin installation, the one configured inside jenkins was still pointing to the trunk plugins. This commit also configures the URL for the LTS plugins.

refs #226

##### Revision c505d586 - 2014-04-08 14:03 - Johannes Wienke

Make installed folder relocatable

Removed the absolute location from the starter script.

refs #226

**Revision 93c6ff9f - 2014-04-08 15:20 - Johannes Wienke**

Fail in case a plugin could not be installed

In some cases the jenkins CLI does not indicate an error if a plugin could not be installed. In order to still catch those error, actively check for the each new plugin being installed.

refs #226

**Revision 62b11158 - 2014-04-08 16:05 - Johannes Wienke**

Fix job generator symlink

Use a relative path to be relocatable

refs #226

**Revision 57b9cc74 - 2014-04-08 16:31 - Johannes Wienke**

Do not block in case jenkins does not start

refs #226

**Revision ef6e09f7 - 2014-04-11 14:43 - Johannes Wienke**

Fix plugin verification step

Some plugins were only available after a restart of jenkins. However, the verification process was performed immediately after installing. This was a race condition. A restart was added.

refs #226

## History

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**#1 - 2014-04-07 11:54 - Florian Lier**

- *Description updated*

**#2 - 2014-04-07 11:59 - Arne Nordmann**

- *Status changed from New to Feedback*

I kind of agree, this still feels fragile (well, it is some kind of prototype). I managed to use by just re-doing it one or two times and then the plugin installation went well. At some point I installed the required plugins by myself ... but I agree, this is not very usable and a showstopper.

So if we could go for a archive with the latest Jenkins LTS and stable versions of the plugins, that would be very nice. I like the idea.

**#3 - 2014-04-07 12:07 - Florian Lier**

- File *jenkins\_failed\_download.png* added

This is exactly the problem (see attached image).

Thank you for your comment Arne!

**#4 - 2014-04-07 12:08 - Jan Moringen**

Same thing happened during LSP-CSRA code sprint. In that case, the error seemed more permanent and plugins had to be manually copied from a previous Jenkins installation.

**#5 - 2014-04-08 11:10 - Johannes Wienke**

- Status changed from *Feedback* to *In Progress*

- Assignee changed from *Florian Lier* to *Johannes Wienke*

I will try to fix some things so that we can build a jenkins job from this.

**#6 - 2014-04-08 11:13 - Florian Lier**

...do you think this will solve the problem? I mean, if the job is red, because some plugin couldn't be fetched, that won't help when you really need it, e.g., when introducing the tool to someone.

Maybe I didn't get your point.

**#7 - 2014-04-08 11:21 - Johannes Wienke**

The job may fail sometimes, still the last valid archive will be preserved by jenkins. I think that's better than nothing.

**#8 - 2014-04-08 11:22 - Florian Lier**

...I think that's a nice option.

**#9 - 2014-04-08 16:10 - Johannes Wienke**

Wooooaaa, I can't even really test this because the jenkins web infrastructure is soo brittle.

**#10 - 2014-04-08 16:44 - Florian Lier**

; ) Welcome to my world

**#11 - 2014-04-08 16:55 - Johannes Wienke**

I can't finish this today. Someone from the jenkins team has to fix the infrastructure first.

**#12 - 2014-04-08 20:34 - Florian Lier**

I just pulled recent changes, I like the new messages, feels a lot better to actually see what's going on, I also like the Security Warning.

**#13 - 2014-04-08 20:40 - Johannes Wienke**

That means the installation succeeded? I never managed to get there ;)

**#14 - 2014-04-08 20:43 - Florian Lier**

Yes, so far the installation worked, I am currently adding jobs via generator. The only question I have in mind is: If you enable security, meaning you need to login, is the build generator still able to add jobs?

**#15 - 2014-04-08 20:45 - Jan Moringen**

The build-generator can authenticate. See output of --help.

**#16 - 2014-04-08 20:48 - Florian Lier**

Yeah, that's great. We need to document that I guess. Does the Drupal Auth also work? How did you manage ;) Because I the documentation is not very clear on that one.

**#17 - 2014-04-08 20:59 - Florian Lier**

Job Generation worked! Good "Job" Johannes :)

**#18 - 2014-04-11 14:52 - Johannes Wienke**

- % Done changed from 0 to 90

A jenkins jobs is now available and installation has been fixed as much as possible. Can someone please test the archive before I add a description to the wiki page:

<https://ci.toolkit.cit-ec.de/job/jenkins-distribution/>

**#19 - 2014-04-11 15:02 - Sebastian Wrede**

Nice. Does the static package already get pushed to some publicly available location?

<https://ci.toolkit.cit-ec.de/job/jenkins-distribution/> is not available from outside of the university network (IIRC) or is otherwise currently not available (also not when connecting via VPN).

**#20 - 2014-04-11 15:17 - Johannes Wienke**

It wasn't even really tested so far and I don't have a location. ;)

**#21 - 2014-04-25 11:44 - Johannes Wienke**

So where should this be uploaded? Seems to be working now.

**#22 - 2014-05-08 13:25 - Florian Lier**

ci.toolkit is not the best idea since it can't be accessed from everywhere (i.e. externals)

**#23 - 2014-05-08 13:31 - Sebastian Wrede**

What about pushing it to the toolkit web server (toolkit.cit-ec.\*)?

**#24 - 2014-05-08 13:38 - Florian Lier**

I could add an account on the toolkit (toolkit.cit-ec) machine that has limited rights, configure a section in the web server cfg and add a "copy via ssh" build step in the job that creates the \*.tar.gz

If there is no veto, I'd like to go with this.

**#25 - 2014-05-08 13:39 - Johannes Wienke**

Sounds ok to me.

**#26 - 2014-05-08 15:02 - Florian Lier**

Now, the CI generated \*.tar.gz is scp'ed on the toolkit machine and available via:

<https://toolkit.cit-ec.uni-bielefeld.de/dist/jenkins.tar.gz>

**#27 - 2014-05-09 14:23 - Florian Lier**

- Status changed from *In Progress* to *Closed*

- % Done changed from 90 to 100

The file is avail under: <https://toolkit.cit-ec.uni-bielefeld.de/dist/jenkins.tar.gz>

## Files

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jenkins_failed_download.png	116.645 KB	2014-04-07	Florian Lier
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