Build System / Iteam / CNAF machines

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JRA1 IT-CZ meeting

Status

- The release RC1 has been tagged and branched

- To use it:

  - Start downloading RC1 org.glite

    - cvs co -r glite_branch_1_0_0_RC1

      - It contains RC1 branches

  - Run the following command

    - ant -f project/glite.csf.xml or

    - ant -f project/glite.csf.xml wms

  - Run the command

    - ant stage/dist wms

What should be done: Di Meglio's suggestions

- RC1 branches are only used to fix bugs

- Only patch number could be increased in RC1 branches

- HEAD will be used to develop new functionalities

- All components in HEAD should be increased to the next version number, e.g from 1.0.0 to 1.1.0

- Iteam will start the new CruiseControl builds on the RC1 branches **only after all HEAD components have been moved to the next version numbers (Is it truly necessary???)**

What should be done in HEAD if we agree

- each responsible for subsystem and component has to:

    - increase version number in project/version.properties

    - increase version in configure.ac if the component uses autotool

    - commit changes

What should be done

- each responsible for component should follow the below steps:

  - to build the component in his/her work area

  - once verified that the component built, to remove stage area and re-build to check the internal and the external dependencies

  - once verified what the external and the internal dependencies are, to commit changes in the repository

- this simple procedure should avoid to break the build of the component

- in the case you are very anxious to commit, please at least send an e-mail with specified all the internal and external dependencies

Miss Targets and features

- Currently
  - release, baseline, release_branch, baseline_branch are only handled for subsystems
    - Should they be also provided for components? Yes/No?
  - if subsystem A depends on two components of subsystem B called "homer1" and "homer2", it is impossible only to build the "homer1" and "homer2" components.
    - We have to build the whole subsystem B
    - Would it be useful only to build the components of subsystem B which the subsystem A depends on? Yes/No?

Recipe To Build SW

- For repository, to specify the following repository in your glite.build.properties

  – /home/cmnarea/repository

- download the following major repository

  – cvs co -r glite_branch_1_0_0_RC1

- Run the command

  – ant -f project/glite.csf.xml wms

- Copy integration stage tar file, put it under stage directory, and remove *.la files from stage

- Run the following command in e.g. org.glite.wms

  – ant

How to Improve the Communication between Iteam and IT-CZ

- Every Tuesday morning, I would like to receive the following information from each of you:
  - what changes have been done in each component
    - if these changes have taken new dependencies
  - if you plan to add new components in a subsystem
  - if all the components are linked to the subsystem
    - when you plan to link to the subsystem
  - when you plan to tag anything
  - what bugs have been fixed
  - if you want to ask specific things to the Iteam related to external dependencies
  - nothing

How to Improve the Communication between Iteam and IT-CZ

- They should
  - help me to be constantly informed about the evolution of / your problems with the build system
  - provide me enough information for the Iteam meeting
  - allow me to take under control the whole build system related with IT-CZ subsystems and components

How to Improve the Communication between Iteam and IT-CZ

- Due to some useful comments
  - I am going to forward you the meeting minute
    - If I do not remember to do it, please remind me or do it to my place
  - I will try to communicate you all other useful information coming from Iteam
    - If I do not make it, please do it to my place

CNAF machines

- ranatan
  - The certificate is coming
  - It will be used for the developing
  - Would you like to use it for testing?
- gundam will be used for wms internal test
  - Should it be updated to SLC?
- tigerman will be renamed in gundam next week
  - Would it take the place of gundam?
- ghemon
  - The certificate is coming
  - It will be used for the UI test and developing