

Meeting Minutes - Mi, 29.08.2012, 14:00-15:00

Participants: Stefan Rauch, Solveigh Matthies, Harald Bräuning, Christoph Handel, Matthias Wiebel, Ludwig Hechler, Alexander Schwinn (Protokoll)

1. JAPC `_min/_max` suffixe

- Problem was, that JAPC automatically interprets all value-items which have the suffix "`_min`" or "`_max`". This automatic handling presumes the use of the type "double".
- The FESA-team will discuss the issue in detail. It can be expected, that JAPC needs to be changed, in order to be more generic for these suffixes.
- As well it could be interesting to use a special value-item-type at FESA-level for min/max values (And for other predefined values)

2. Versioning in context of the RPM-Installer

Christoph Handel explained how the RPM-Installer for fesa v3.0-beta handles versioning, which paths are used and which fixes had to be made in order to support the current makefile-structures.

One big problem here are the 3rd party dependencies. These dependencies can be separated into two types:

- Middleware dependencies
 - "`cmw-rbac`" is a library which we probably will not use at all for GSI
 - "`cmw-log-stomp`" is a log-appender which will not be used at GSI
 - ...

These packages currently are used by `cmw-rda` or its dependencies.

So `fesa-core` has to link against them and they currently need to be installed via the RPM-installer. A possible long-term solution could be, that `rda` (and possibly other projects) will as well be added into the CERN-GSI collaboration, in order to split them up into a common-package and a lab-specific package.

- Timing dependencies
 - Currently we use CERN-timing libraries, because we don't have WR-timing yet. Since we have to keep the support of the CERN timing for the near future, we will have to compile the CERN-timing libraries ourselves for 32 and 64bit. However, since the timing is encapsulated in the lab-specific part of `fesa`, this part is controllable for us.

The second big problem is the global CERN filesystem. Pathes to /acc/local/* are used in all CERN-Makefiles and all libraries and headers are collected there. These pathes cannot be used in the RPM-Installer, since they do not exists on foreign systems.

In order to properly provide a RPM-installer for FESA, a RPM-installer for all dependant packages (timing, cmw-*) as well has to be available .. without any link to /acc/local/*

- Solveigh Matthies & Alexander Schwinn will check with Stephane Deghaye if we possibly can discuss these issues on a workshop at GSI. TOBE checked which other issues should be topic of the workshop, what would be a good date for this and who else should be involved.

3. ACU/SCU Tests

- The busybox-linux from our infrastructure-team is now used for scul009. Stefan Rauch is adepting the needed drivers, etc.
- Ludwig Hechler already can control the ACU and all its registers. The registers of the ACU are designed in a similar way than the power-control-units in the old system.
- Wesley Terpsta will provide as well a blocking-call for the etherbone-library (among other features). (currently he is completly busy with other issues, but it's on his list)
- Ceasar Prados is currently bringing the new WR-timing-switches fully to work. When he is finished we could have one of them in the software-lab/tea-chamber .. however this may take some time.