



Release components: status



Verification Environment

Status of our components

Verification setup



Verification Environment



- All external components which must be present on a system in order to run successfully all components of the release
 - should include an exhaustive list.
 - with this list it should be possible to prepare a PC from the scratch (new installation)
- External components:
 - CERN Linux Redhat 7.3.3
 - Workstation installation
 - GCC 3.2.3 installed as alternative compiler
 - from ASIS



verification environment



- Java SDK 1-4-2 (j2sdk-1_4_2_01-linux-i586.rpm)
 - (not on ASIS but directly from sun-java site (Eric installs this version on our systems))
 - on ASIS I could not find a single java SDK (only RE)
 - SDK is needed for example to compile components of RCMS
- MySQL 4-0-18-0
 - is the current stable version of MySQL.com
 - 2 RPMs:
 - MySQL-server-4.0.18-0.i386.rpm
 - MySQL-client-4.0.18-0.i386.rpm



verification environment



- Xerces 2.3.0 (included in XDAQ core framework)
- log4cplus V1.0 (included in XDAQ core framework)



Status: verification environment



- Computers:
 - 6 PCs in bat.40 3rd floor
 - 1 dual processor 5 single processor
 - 5 installed by Eric and Jean-Pierre
 - 1 installed by me from scratch with original CERN Linux CDs
 - Java SDK and MySQL only on 1 computer.
- New account to verify the release
 - to be sure to have no wrong settings of environment variables.



Status: verification environment



- Documentation:
 - exists in form of a set of www-pages
 - needs to be finalized
 - Should it also be available in paper form?



List of release components



- List of components written by us, which go into release:
 - XDAQ Core
 - ptATCP
 - xphys
 - itools (fedkit and generic pci driver)
 - EVB
 - Job Control
 - RUI, TA skeleton
 - HAL
 - SBS driver
 - RCMS
 - Filter software
 - dstore



Status of our components



- **Aim:** understand when the testing can start
- XDAQ
 - includes Core framework: xdaq executive, toolbox, xoap, ptSOAP, ptFifo, ptTCP, Xerces 2.3, i2o headers, log4cplus
 - does it also include the following components? NO or are these components separately released (separate tar files?) :
xphys, Helloworld, FEDKit with itools (fedkit driver and generic pci driver), ptATCP



components



- XDAQ
 - available for test: now
 - cvs tag(s): beta1
 - precompiled: no
 - documentation: ok



components



- EVB
 - available for test: now
 - cvs tag:
 - precompiled: no
 - documentation: on the way



components



- Skeletons for RUI and TA :
 - available for test: **not yet started(Christoph)**
 - cvs tag:
 - precompiled:
 - documentation:



components



- HAL
 - available for test: now
 - cvs tag: ver-03-00-test
 - precompiled: no
 - documentation: needs some update for installation in XDAQ environment



components



- SBS driver
 - available for test: now
 - cvs tag: v2-0_CMS-01
 - precompiled: no
 - documentation: up-to-date (mostly documentation of SBS)



- RCMS
 - available for test: monday
 - cvs tag:
 - precompiled:no
 - documentation: to be done
 - specific function manager part are a separate package (like TA for evb)



components



- Job Control
 - available for test: now
 - cvs tag:
 - precompiled:no
 - documentation: to be done



components



- itools (fedkit- and generic pci driver)
 - available for test:now
 - cvs tag:
 - precompiled: no
 - documentation: fedkit ok (eric checks)



components



- dstore
 - available for test: not mature; available on private request, not in release
 - cvs tag:
 - precompiled:
 - documentation:



components



- Filter software
 - available for test:works with xdaq 2; not in line with evb
try to get it run with current evb next week
 - cvs tag:
 - precompiled:
 - documentation:

 - AIM: column with bu talking to fu skeleton which writes
to disk.



Verification setups



- Depends of course on availability of components
- setup one: **A column like event builder** with
 - FEDkit as data input (data generator can be in receiver card)
 - RU / BU / EVM full event builder using ATCP or TCP
 - Trigger : pure software (easier) or same as TDRDemo
 - RCMS (Run Control)
 - Job Control



verification setup



- setup two: **VME readout**
 - like setup one, only substitute Fedkit with VME dummy readout
 - involves HAL, needs programming work (dummy VME-FED, RUI)
 - VME readout component could be part of RUI (easier)
 - VME readout component could serve as a RUI skeleton.



verification setup



- Not tested with these setups:
 - Any Filter software
 - I need help here since I do not know anything of the software “after” the BU.
 - needs subfarm manager (Vuko) (10 days)
 - Bu injector comes with release
 - dstore

DAQ Kit No1



Naming



- It has been decided to name the “release”

DAQKit-01