Datagrid Software Repository Presentation

CVS, packages and automatic building

Yannick Patois

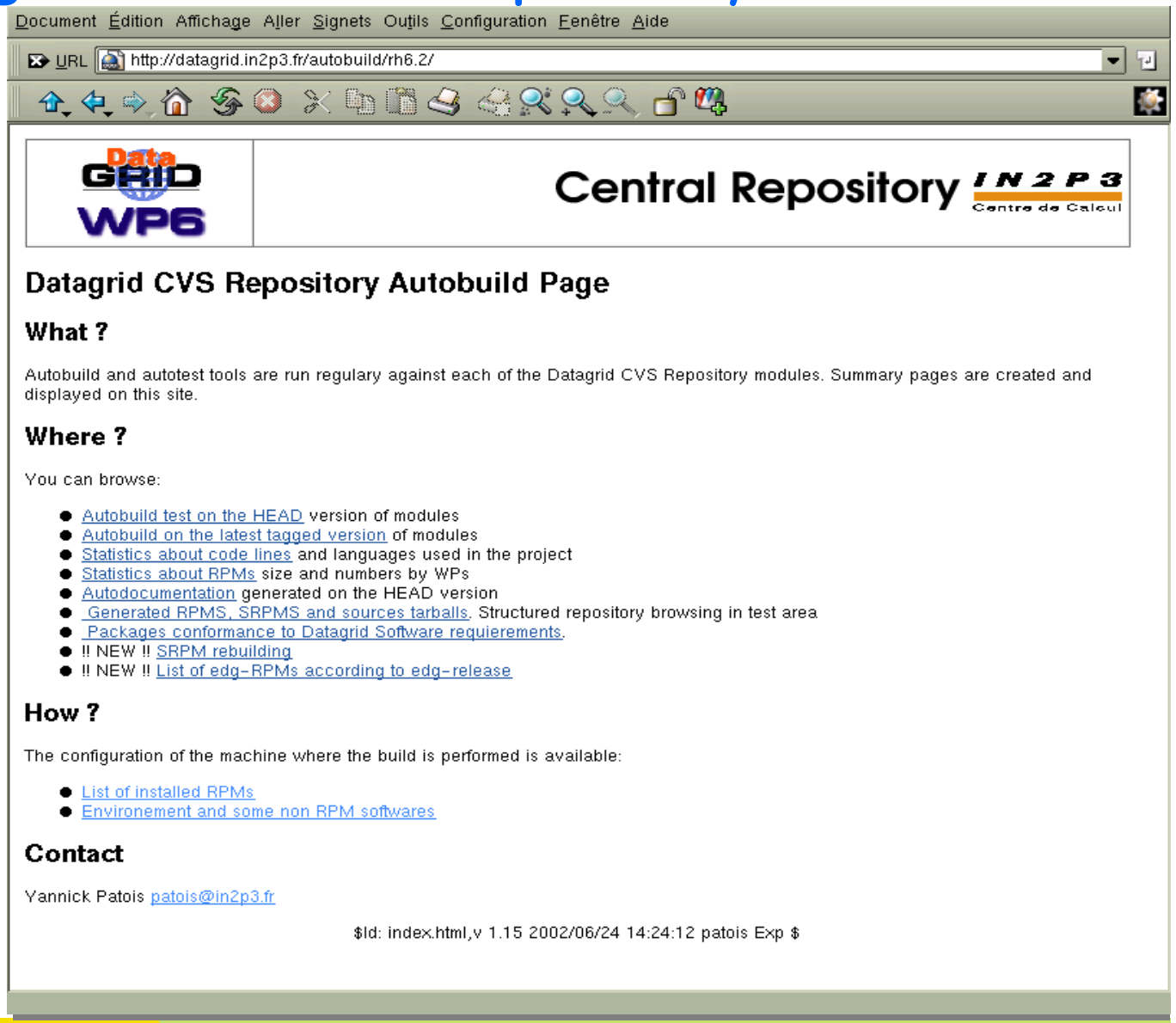
E-mail patois@in2p3.fr

Table Of Content

- The Datagrid Software Repository
- Current status of Autobuild (RH7.3)
- Current status of Autobuild (continuing)
- RPM conformance
- gcc-3.2.2
- Build on Demand (1)
- BOD (2)
- BOD (3)
- Open problems

The Datagrid Software Repository

- The Datagrid Software Repository
  - Hosted at CC-IN2P3
  - Main services:
    - Source code management for developers (CVS)
    - Packages distribution (RPMS)
    - The autobuild/check system



Current status of Autobuild (RH7.3)

Module Name	CVS tag	Customized	README	Build Method	Autotools	Configure	Make	Make install	Make RPM	RPM quality
edg-gsi-apache	v1_9_6	NO	SUCCESS	Makefile	NA	NA	SUCCESS	FAILED	SUCCESS	FAILED
edg-info-main	HEAD	NO	WARNING	Unknown	FAILED	FAILED	FAILED	FAILED	FAILED	SUCCESS
edg-rgma	v3_1_20	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	WARNING	FAILED
grm	v2_4_0	NO	SUCCESS	AutoTools	SUCCESS	FAILED	FAILED	FAILED	FAILED	SUCCESS
netconf	v1_1_3	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
netagent	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS
iperf	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS
iperfbin	v1_6_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
pinger	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
udpmon	v1_1_4	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
netmon	v1_0_8	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
rtpl	v1_0_8	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
netcostj	v1_6_2	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
netmon2rgma	v1_1_1	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
netmon-archiver	v1_1_1	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	FAILED
ftlog2rgma	v1_1_0	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
edg-java-tools	v1_0_19	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
edg-java-data-util	v1_1_13	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
edg-java-security	v1_4_0	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
edg-style	v1_0_0	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
edg-ros	v1_3_7	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
edg-metadata-catalog	v1_2_20	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS

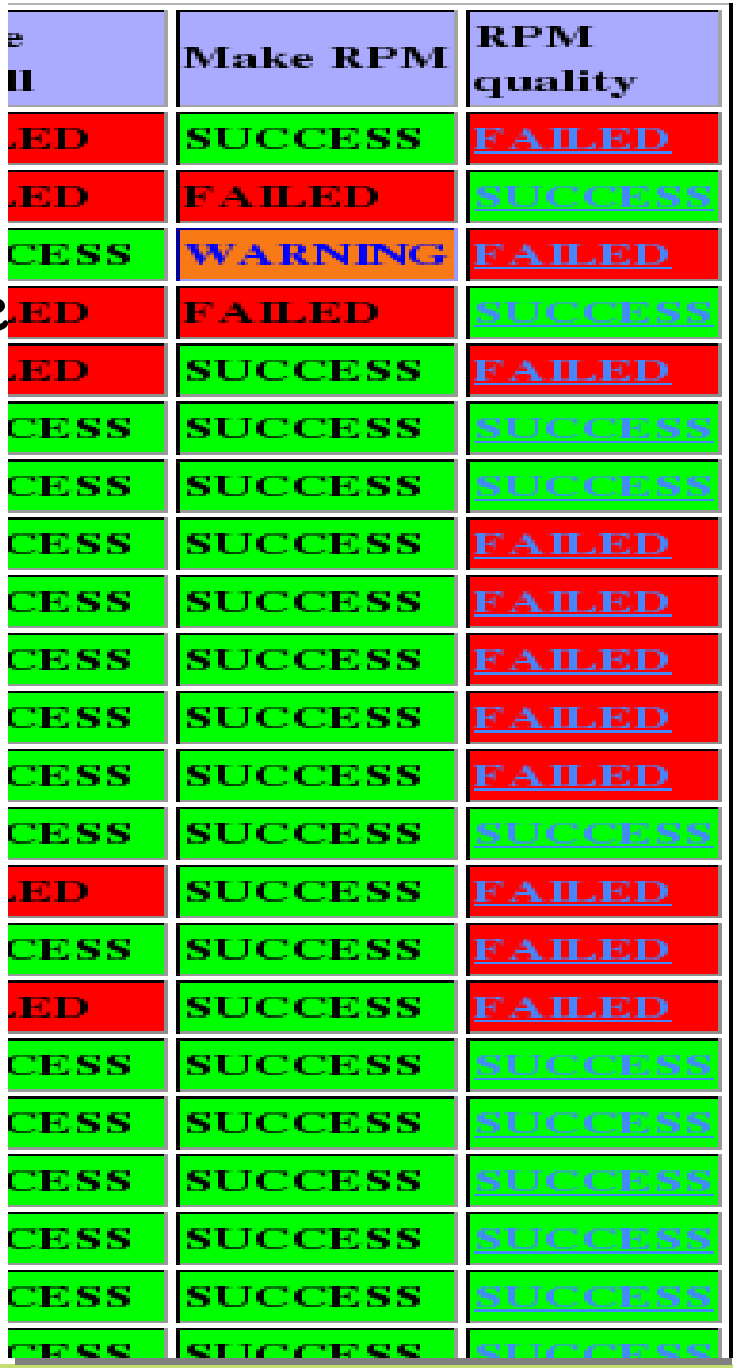
Current status of autobuild (continuing)

Total:	113	100%
All OK:	43	38%
RPM generated:	98	87%
Failed:	15	13%

Rq: 113 modules, this is a big number.
Only 15% of failure is quite OK (includes non released stuff)

RPM conformance check

- A new check done by an external perl code (made by Cal)
  - Check that package name and internal versions are coherent
  - Check that files are located under /opt/edg
  - Check existence of man pages for each commands
  - Check that command start with 'edg-'
  - No SUID scripts.



e ll	Make RPM	RPM quality
LED	SUCCESS	FAILED
LED	FAILED	SUCCESS
CESS	WARNING	FAILED
LED	FAILED	SUCCESS
LED	SUCCESS	FAILED
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	FAILED
CESS	SUCCESS	FAILED
CESS	SUCCESS	FAILED
CESS	SUCCESS	FAILED
CESS	SUCCESS	FAILED
CESS	SUCCESS	SUCCESS
LED	SUCCESS	FAILED
CESS	SUCCESS	FAILED
LED	SUCCESS	FAILED
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS
CESS	SUCCESS	SUCCESS

gcc-3.2.2

Module Name	CVS tag	Customized	README	Build Method	Autotools	Configure	Make	Make install	Make RPM	RPM quality
edg-gsi-apache	v1_9_6	NO	SUCCESS	Makefile	NA	NA	SUCCESS	FAILED	SUCCESS	FAILED
edg-info-main	HEAD	NO	WARNING	Unknown	FAILED	FAILED	FAILED	FAILED	FAILED	SUCCESS
edg-rgma	v3_1_20	NO	SUCCESS	Ant	NA	NA	NA	FAILED	FAILED	SUCCESS
grm	v2_4_0	NO	SUCCESS	AutoTools	SUCCESS	FAILED	FAILED	FAILED	FAILED	SUCCESS
netconf	v1_1_3	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
netagent	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS
iperf	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS
iperfbin	v1_6_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
pinger	v1_1_2	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
udpmon	v1_1_1	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
netmon	v1_0_8	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
rtpl	v1_0_8	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
netcostj	v1_6_2	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
netmon2rgma	v1_1_1	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
netmon-archiver	v1_1_1	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	FAILED
ftlog2rgma	v1_1_0	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	FAILED	SUCCESS	FAILED
edg-java-tools	v1_0_19	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
edg-java-data-util	v1_1_13	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
edg-java-security	v1_4_0	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
edg-style	v1_0_0	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
edg-ros	v1_3_7	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS

Compared to gcc2.95.2:
42 more modules fails (43% of building modules)

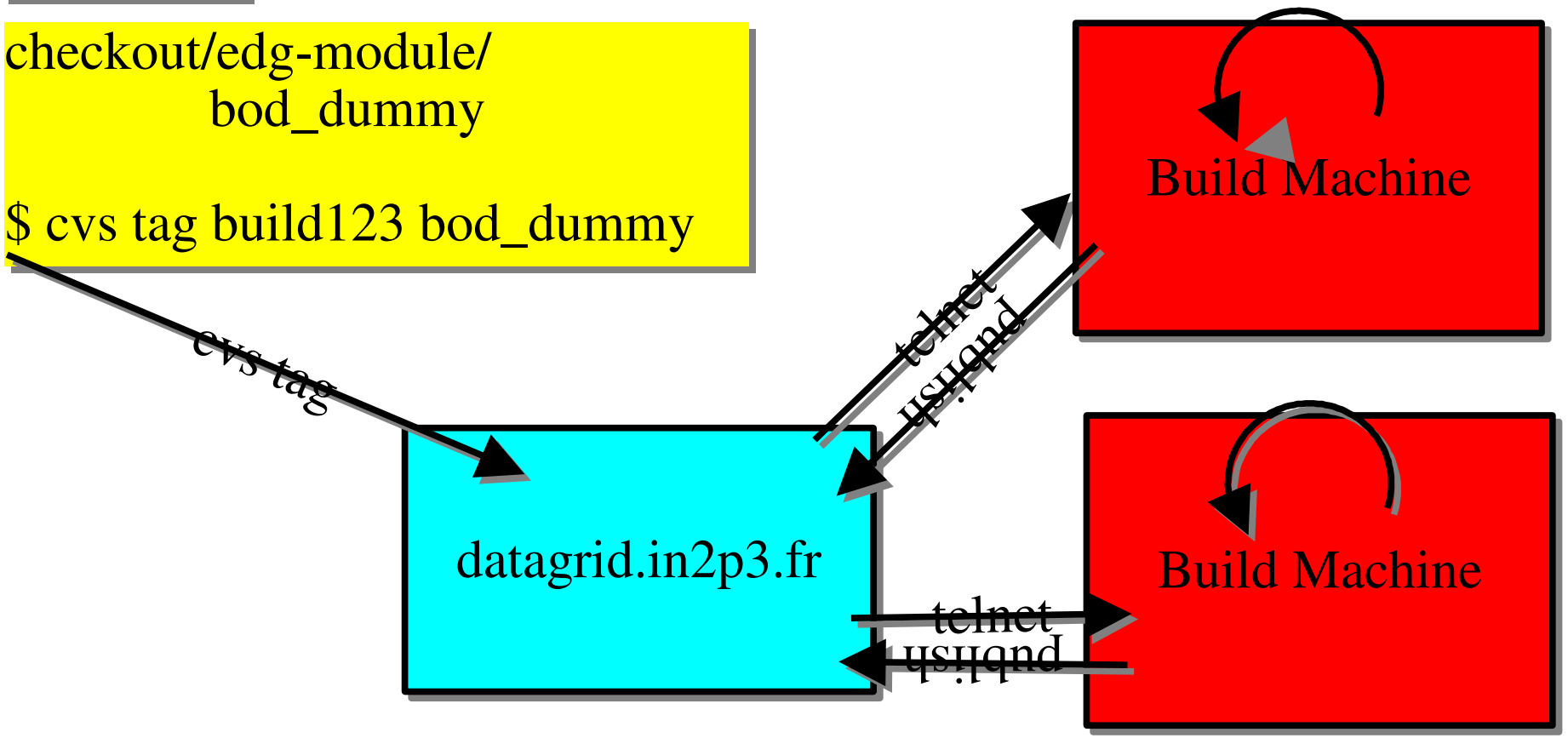
Build on demand

Date	Module Name	CVS tag	Customized	README	Build Method	Autotools	Configure	Make	Make install	Make RPM	
Fri May 9 13:02:42 2003	edg-rgma	v3_1_20	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	WARNING	FAILED
Fri May 9 12:21:35 2003	edg-info-se	v3_0_9	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
Fri May 9 12:02:15 2003	edg-info-se	v3_0_8	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	SUCCESS
Thu May 8 20:38:55 2003	edg-lcfg	v1_4_88	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Thu May 8 19:22:40 2003	edg-lcfg	build2003050811	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Thu May 8 10:36:15 2003	edg-lcfg	v1_4_87	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Wed May 7 18:53:45 2003	edg-rgma	v3_1_18	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	WARNING	FAILED
Wed May 7 18:21:47 2003	edg-se-webservice	v1_9_14	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	SUCCESS	SUCCESS
Wed May 7 17:56:08 2003	edg-lcfg	v1_4_86	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Wed May 7 17:32:02 2003	edg-se-cmdline	v1_9_15	NO	SUCCESS	AutoTools	SUCCESS	SUCCESS	SUCCESS	SUCCESS	SUCCESS	FAILED
Wed May 7 17:07:11 2003	edg-lcfg	v1_4_85	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Wed May 7 16:51:52 2003	edg-rgma	v3_1_17	NO	SUCCESS	Ant	NA	NA	NA	SUCCESS	WARNING	FAILED
Wed May 7 16:24:56 2003	edg-lcfg	v1_4_84	NO	SUCCESS	Makefile	NA	NA	SUCCESS	SUCCESS	SUCCESS	FAILED
Wed May 7 15:54:57 2003	edg-metadata-catalog-client	v1_2_13	NO	SUCCESS	Ant	NA	NA	NA	FAILED	FAILED	SUCCESS
Wed May 7 15:34:21 2003	edg-reptor-client	v1_1_2	NO	SUCCESS	Ant	NA	NA	NA	FAILED	FAILED	SUCCESS

BOD (continuing)

checkout/edg-module/
bod_dummy

$ cvs tag build123 bod_dummy



BOD (finishing)

- BOD will start of TAG is of the form
  - build [0-9]*
  - v[0-9]*_[0-9]*_[0-9]*
- Produced RPMs are published only for edg valid version name.
- BEWARE: the module must have been tagged with that tag! (as it is this one that is used for build).
- No more than a build per 10 mn on the same module is allowed.
- BOD are serialized: please be patient.

Open problems

- Ant lock
- BOD non local modules
- ...