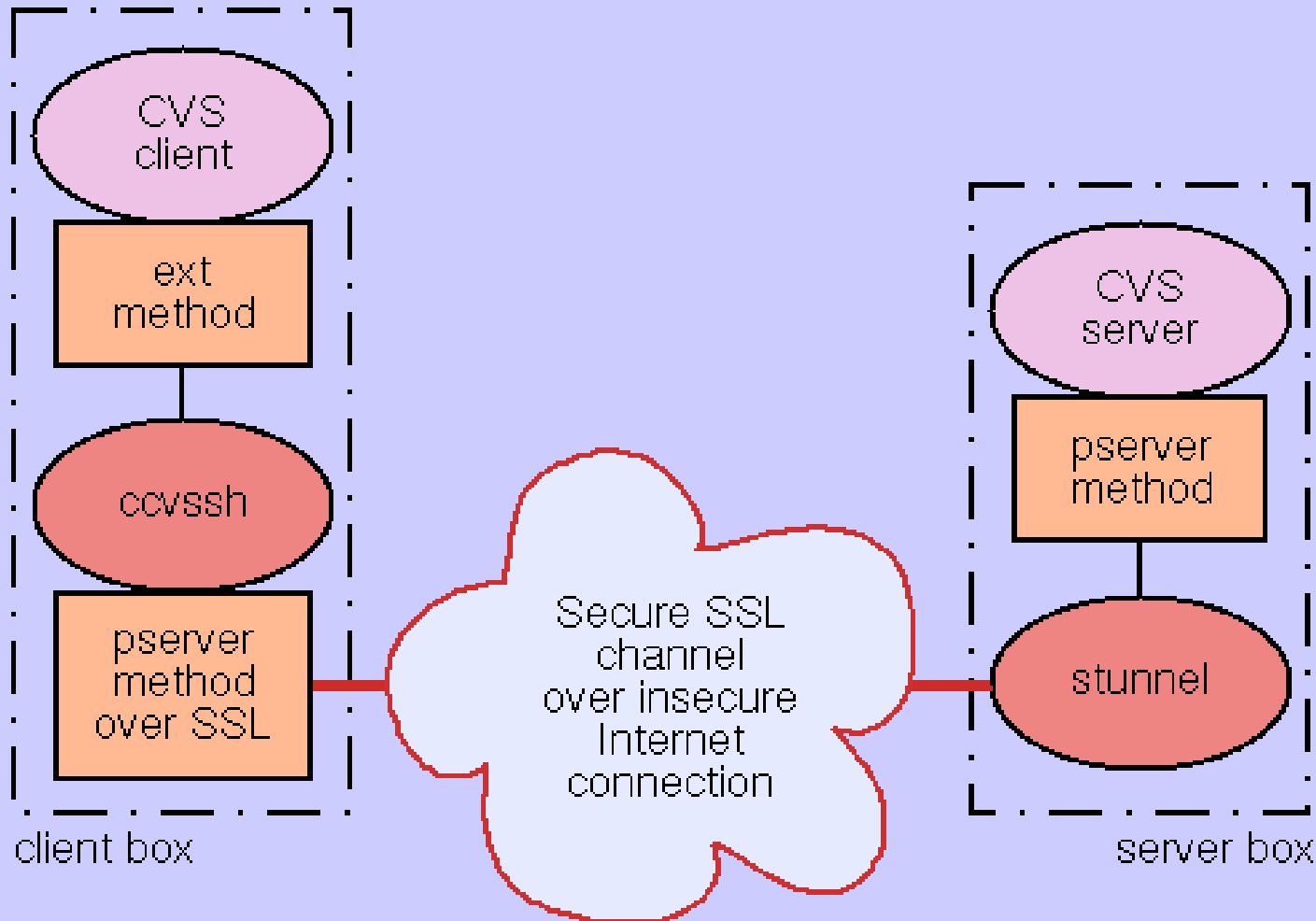


***Maintaining the CVS Server
for ILC software***

Harald Vogt , DESY

CVS server:

- Uses the pserver method with a SSL encryption



Final setup of the CVS server:

- Runs in a "chrooted" environment
- Requires a "**ccvssh**" executable on the client side which is provided for mostly used unix architectures and for Windows XP (Visual c++ project)

The server is now the development base for the following projects:

brahms, simdet, marlin, merlin, calice, lccd
(http://www-zeuthen.de/linear_collider/)

- A mail service is provided for the maintainers of the projects, i.e. for each "commit" the maintainers will be informed by mail
- The complete CVS server installation including its project space is put into the daily (incremental) backup (recovery from possible hacking or local data losses)

CVS infos on the Web

CVS server access

On the client side the [ccvssh package \(UNIX\)](#) or my adaption of ccvssh as [ccvssh MS Visual C++ project \(WINDOWS\)](#) has to be installed. The ccvssh project (Windows XP) requires that [OpenSSL](#) has to be installed first if it is not done already.

With the release of cvs 1.11.16 the order of arguments passed to an external program has been changed. Because this modification is not contained in the ccvssh package from sourceforge.net one should use this [download](#).

If using **Windows Xt** (having OpenSSL libraries) one may use [this binary](#).

If using **CygWin 1.5.12** (with gcc 3.3) one may use [this binary](#).

If using **DESY Linux 5** one may use [this binary](#).

If using **Scientific Linux 3** one may use [this binary](#).

If using **DESY's old DESY Linux 4** one may use [this binary](#).

If using **CERN's old Redhat 7.3** one may use [this binary](#).

Make sure that the ccvssh binary is in your PATH environment.

How to connect to the server:

"project" can be **brahms, simdet, marlin**

"module name" can be **Brahms, Simdet, Marlin**

"release tag" -> see the web pages for the projects

• anonymous checkout (UNIX):

```
export CVS_RSH=ccvssh (bash shell)
export CVSROOT=:ext:anonymous@cvssrv.ifh.de:/"project" (bash shell)
ccvssh login
(prompted for password: should be blank)
cvs co -r "release tag" "module name"
```

• developers access (UNIX):

"user name": CVS user name of the developer

"user password": Password for CVS server access for the user

```
export CVS_RSH=ccvssh (bash shell)
export CVSROOT=:ext:"user name"@cvssrv.ifh.de:/"project" (bash shell)
ccvssh login
(prompted for password: enter the users CVS server password)
cvs co "module name"
(do your code modifications)
cvs ci -m "developers comment"
```

CVSWeb interface:

- A CVSWeb interface has been set up to have Web access to the Projects and to enable downloads of zipped tar files
- Works on a mirror of the servers project space used by the Webserver (updated every 30 min. using "rsync")

Powered by **APACHE**

Marlin/

Click on a directory to enter that directory. Click on a file to display its revision history and to get a chance to display diffs between revisions.
To download this directory as zipped tarball - click on tarball at the bottom of this page.

Current directory: [\[Marlin\]](#) / Marlin

File	Rev.	Age	Author	Last log entry
Parent Directory				
Attic/ ishowl				
bin/				
doc/				
examples/				
include/				
lib/				
packages/				
src/				
GNUmakefile	1.5	2 hours	gaede	updated documentation
README	1.10	3 months	gaede	improved API doc
aida_env.sh	1.3	7 weeks	gaede	improved documentation
env.sh	1.9	6 days	gaede	added top level makefile and added some documentation
listMC.steer	1.2	5 weeks	gaede	patch by J.Samson to limit the number of events in SidHepReader/DataSourceProces...
test.steer	1.10	8 days	gaede	added XML steering files with processor conditions and processor groups

Show only files with tag: Module path or alias:

Download this directory in [tarball](#) or [zip archive](#)

Future CVS server hardware:

Dell PowerEdge 1850

Single XEON 2.8 GHz, EM64T, 800 MHz FSB, Low Voltage
2 x 512 MB DDR2 Memory, ECC
2 x 73 GB SCSI Disk Storage
On Board Raid Controller, RAID Level 1
24 x EIDE CD-ROM
Redundand Power Supply
DRAC 4 Remote Management Daughter Card
3.5" Floppy Drive