



Virgo Software installation at Computing Centers



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- A subset of the Virgo software packages mostly dedicated to:
 - ◆ **Frame data access (Frame Library: Fr)**
 - ◆ **Data visualization (dataDisplay)**
 - ◆ **Data transfer (dataSender)**
 - ◆ **Data Analysis (NAP, etc.)**
- And their dependencies in terms of Virgo Basic (or Core) Packages (Cm, Db, Cfg, Frv, Fd, etc.) or external packages (root, FFTW, etc.) need to be installed at Computing Centers and this is normally done on the fully dedicated machines we have available (*ui0x* at CNAF, *cca00x* at CCIN2P3)
- This has been done so far using a manual installation with builds from sources based on our build system CMT
- Sometime problems have arised while compiling because of missing or obsolete libraries or other misconfigurations (libX11 or mysql includes missing, etc.)



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- Are there alternative solutions that would make those installation easier and kept more in sync with the setup done at the Cascina Virgo Site?
- What about:
 - ◆ **CVMFS (CernVM File System)**
 - ◆ **Virtual Machines**
 - ◆ **Containers**
 - ◆ **Rpm packages**
 - ◆ **Builds from .tar distributions based on Cmake or similar**
 - ◆ **Other??**
- Any suggestion/reccomendation from Virgo Computing Centers?