



Proposal for a software installation and removal policy

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- **Disclaimer: Only cover installation of CMSSW releases**
 - e.g. CRAB installation left out, since releases are not too frequent (~once per 6 weeks) and do not require too much space (100 MB for CRAB_1_5_2)
- **Best situation for development: Install everything, keep it forever**
 - Conflicts with limited amount of AFS space and manpower
- **Alternative: Releases of interest (i.e. we should not need more than these releases):**
 - Newest production release (~1 new production release per week)
 - All releases (currently 21 releases \Rightarrow ~39 GB) which are installed at DESY Tier-2
 - \rightarrow CMSSW_0_8_4, CMSSW_1_0_6, CMSSW_1_1_0, CMSSW_1_1_1, CMSSW_1_1_2, CMSSW_1_2_0, CMSSW_1_2_1, CMSSW_1_2_2, CMSSW_1_2_3, CMSSW_1_2_4, CMSSW_1_2_6, CMSSW_1_3_0, CMSSW_1_3_1, CMSSW_1_3_2, CMSSW_1_3_3, CMSSW_1_3_4, CMSSW_1_4_0, CMSSW_1_4_1, CMSSW_1_4_2, CMSSW_1_4_3, CMSSW_1_4_4
 - Other (pre-)releases asked for by Hamburg people (HLT, DAQ, g4, ...)
 - \rightarrow Happens about once (?) every two weeks
- **Need to find the best subset of this list (can also be the whole set)**
 - Propose to discuss installed releases regularly in computing meeting
 - Software Manager needed? (i.e. person overseeing installation and removal)

- **Propose to follow**

<https://twiki.cern.ch/twiki/bin/view/CMS/OfflineSWDistributionPolicy> :

- For **development releases**, the release may be removed [...] after 24 hours [...] if no reasonable objections arise.
- For **production and analysis releases**, the release can be removed [...] after 7 days if no reasonable objections arise.

- **We will most certainly need more disk space in AFS**

- Currently `/afs/desy.de/group/cms/sw/slc3_ia32_gcc323` occupies 24 GB (13 installed releases)
- Given ~ 1.85 GB per release and ~ 20 installed releases this amounts to ~ 37 GB needed, i.e. an additional 20 GB

- **More manpower needed?**

- Currently, the following users can install CMSSW into `/afs/desy.de/group/cms/sw`: stadie, ameyer, bechtel, csander
- Propose to develop and impose s/w installation policy first and decide about manpower requirements later