

Installing Analysis Software

Meenakshi Narain

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- Location: Boston University
- System description
 - Linux RedHat 7.2 kernel 2.4.9-13SMP
 - 8 Processors
 - 8 GBytes memory
 - Disk Space: 16x80Gbytes = 1280 GBytes
 - (IDE RAID with 3Ware controller)
 - System disk space (SCSI) – (2x36 + 2x20) Gb

Our Experience

- Use installation instructions from Mark Sosebee (phase_1, _2, & _3)
- ☺ Clear instructions
 - (a few clarifications needed which were propagated back into the instructions)
- However, missing external packages and cannot compile the code, get error messages.
- Can get the list of missing packages by using the D0-glb-pkgs script.
 - Some confusion : packages installed on my system were being listed as missing
 - This was due to “old (n-1) version of ups”
 - Need ups 4_6 – if you are on Linux2.2and above

Missing Package Saga

- Need a script which installs the list of external packages needed by the release.
 - Can a “one line description” for the packages be provided? Would be extremely helpful.
 - Some are essential and some not e.g. for running d0reco, different ones required if you use sam or yet another set if use graphics etc etc.
 - Some packages may need licenses....
 - If we have a zeroeth order description, then we can “try” to iteratively install the required packages
 - Or a mandatory installation of a set of minimal packages which one certainly needs to run any d0code?
 - prefer this one as it involves less headache (but bit more disk space)
 - Another script for licensed products – so we can select the ones we need

Sam Installation

- Received “sam installation” instructions last week (prepared by T. Wlodek via Jae Yu)
- Successful in partial installation
- Issues:
 - Careful that you have ups 4_6
 - Need stdcpplib if you do not have Fermi RH installation
 - Still have missing packages (informational error only, but annoying as it comes every so often when “ups start sam_bootstrap” is issued
 - Did not first understand what SAM_STATION = UNKOWN meant (do I expect this, answer from experts yes)

Sam Installation contd..

- Instructions being prepared by Lauri et. al. for today, but I have not used those as I was already using the other one and did not want to change midstream.
- Noticed that lots of stager etc processes running on my system, indicative of my “guinea pig” status
 - Would be nice to have instructions say what all processes get started as a result of a given command
- Still I do not know if I have successfully installed Sam on my machine (probably not...)

Conclusions

- Nice set of instructions have been developed
- However once in a while we still need “Alan”/Lauri.
- My criterion for a “successful/complete” set of documents would be that installation is Alan/Lauri independent.. (wishful thinking?)
- A real problem I see is that who tells me that I should now upgrade ups?
- How do we assure that the documents will be kept up-to-date – “need a realistic plan”
 - In the past many such documents have been developed, but they all follow the “exponential death curve” due to lack of time to update them.