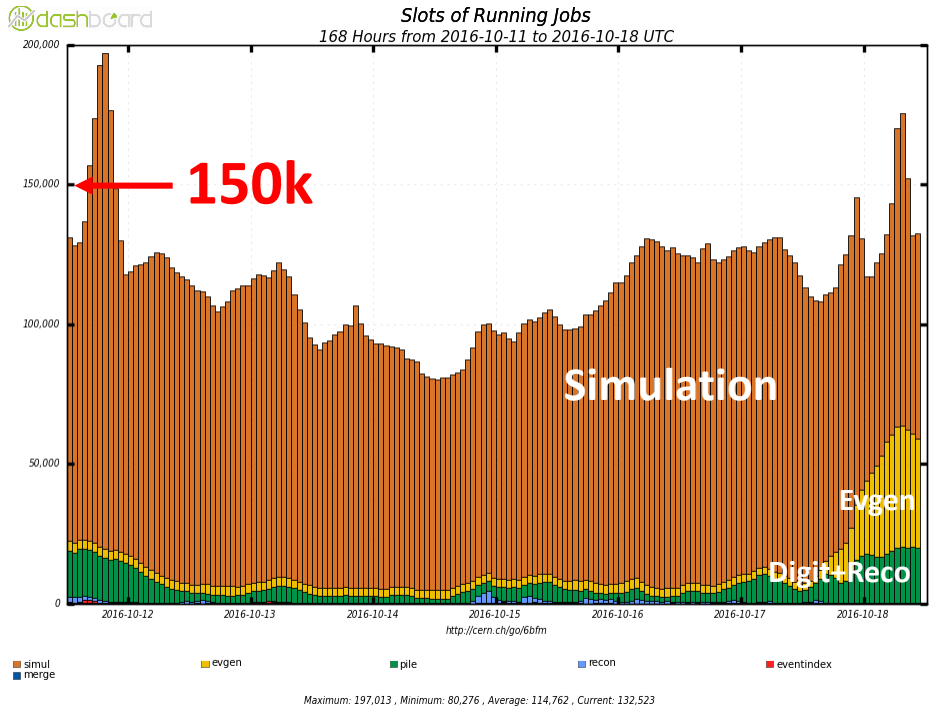
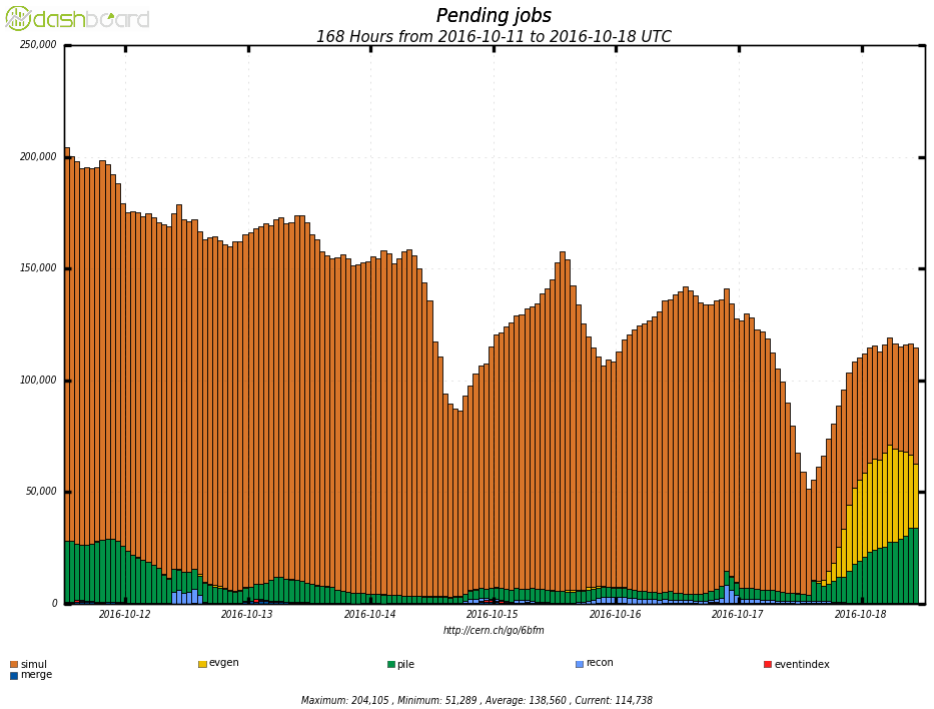
MC Production

Doug and Junichi, 18 Oct 2016



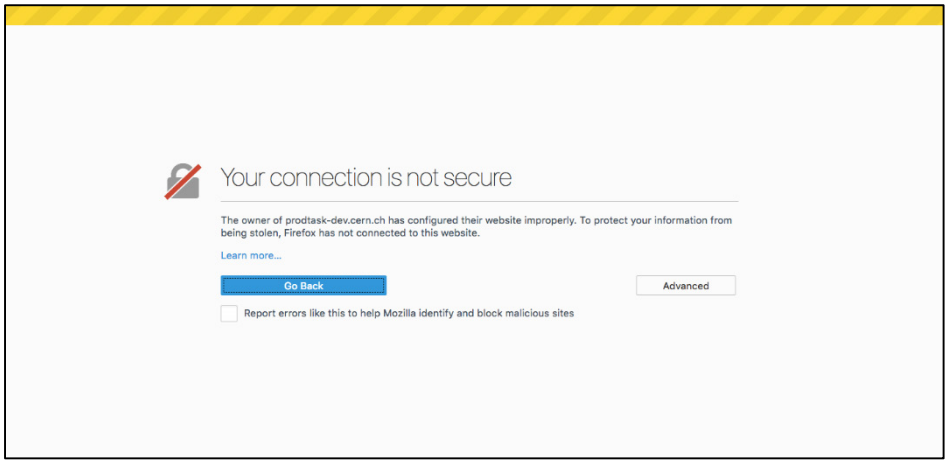


The number of running slots was smaller than 150k in the last 7 days.
There are a few reasons; 1) Data-reprocessing, 2) few requests for multi-core slots etc.

From the last Friday, PMG approved new requests as soon as possible.
We have several requests (~25M events), which were approved but not submitted yet.

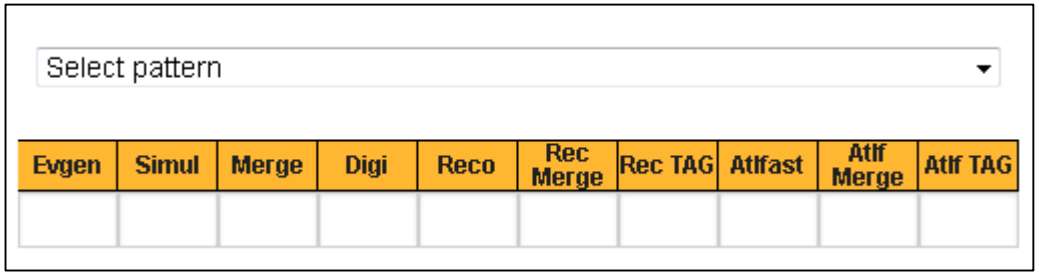
MC15c extension will be discussed with PC and PMG tomorrow.

1) In windows (Firefox etc), we have the next warning so many. Could you tell us how to improve it?



2) We need to discuss how to run NTUP_PILEUP in the MC production chain.
https://its.cern.ch/jira/browse/ATLMCPROD-3617

The proposal and test in this JIRA looks to be not-match to the present prodsys2 because we need 2 additional p-tags. The output dataset name is mc15_13TeV….merge.AOD.e3698_s2608_s2183_r7725_r7676_p2761_p2751



10k 100k

e3698 s2608 s2183 r7725 r7676 p2761? p2751? No Box so far…

One alternative idea is to run the NTUP_PILEUP jobs in r7725/r7676.
(Note: the number of events per job is different between r7676 and 2751.)

We may discuss it in the prodsys2 meeting?

3) We have 97 evgen-log datasets, where the size of one file is larger than 160MB.
If we'll be able to reduce them, we can save about 600TB.
But there is one constraint, that is, we need to keep logs for all the jobs.
It means that we cannot delete a part of them, for example, 90 files out of 100 files.

But we know that several files includes in tar.gz/tgz are not needed.
So we can remove them!

Our proposal is
- get all the log files from rucio
- untar them, remove unnecessary files and then tar them again.
- upload new tar.gz/tgz and remove old tar.gz/tgz.

Is it possible? Indeed we need your help because it is not easy to download log files from rucio. (I tried it (a part of them) but it took much time…)