



Situation @nikhef

Status and plans

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Ton Dame
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Present & future

Monte Carlo

Running MC jobs for DOMCC II on SGI

Setting up a Linux farm for MC

Reconstruction

Code development on Linux (vertex, muons, ..)

Use the farm for also running reco of MC

Desktop Linux stations for analysis

MC @unite.sara.nl now

128 cpu Origin (MIPS 10.000)

We can generally use 16 cpus

100 qcd+2min.bias events take 16 hours

So ~1600 qcd/day

I.e. ~10 kevents/week

Cannot get much more

Installed from tarfile

Thanks to Greg !!

Local mods to mc_runjob



D0 development environment

On biotoop.nikhef.nl (Linux PC):

Still using Redhat Linux 5.2

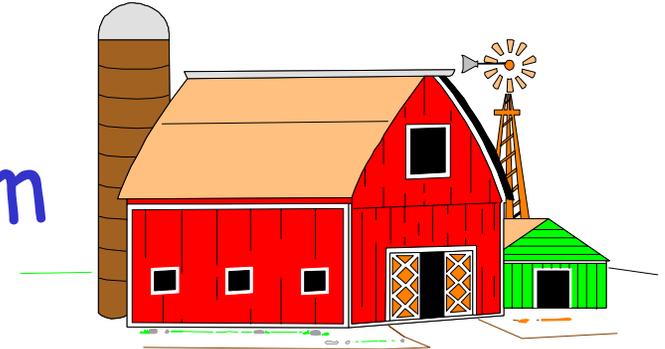
Installed ups/upd

Installed several test releases for vertex_reco work

Only one really worked t00.57.00 well

Experienced many problems discussed yesterday

DONIK Farm



- Linux PC farm
- dual 700 MHz CPU, 512 MB RAM, 10 GB disk
- 100 Mb/sec network card, CDROM, floppy
- worker nodes behind a switch
- files server with 1 TB disk
- batch server: job submission, monitoring, etc.
- Planning:
 - Now: test system: 1 server and 4 worker nodes
 - July – both servers and 40 cpu's
 - December – ramp up to 100 cpu's

pmc02.01

GOAL: get dogstar running on the farm nodes

installed on server using ups/upd

did a qcd test run using the runMCwin GUI

gives different results than @unite !?

Install with upd --or install from tar file ??

Need mc_runjob without GUI to submit on farm

New York

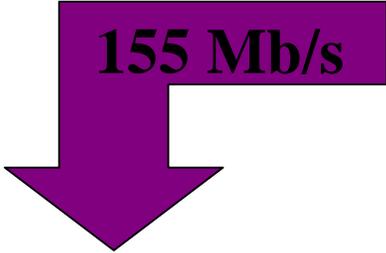


STARTAP



Chicago

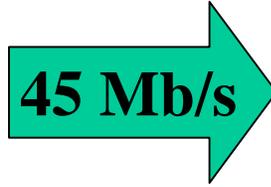
155 Mb/s



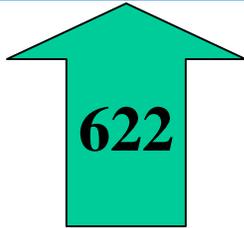
ABILENE



45 Mb/s

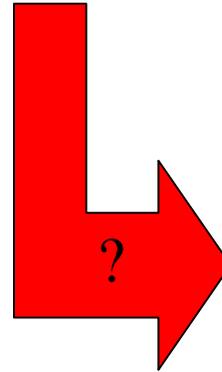


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SurfNet

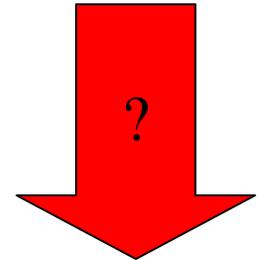
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ESNET



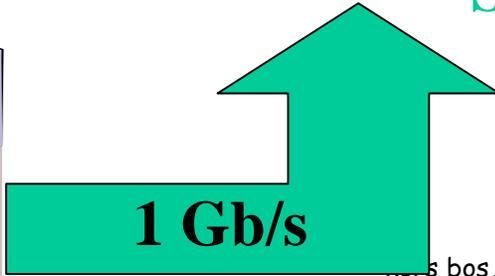
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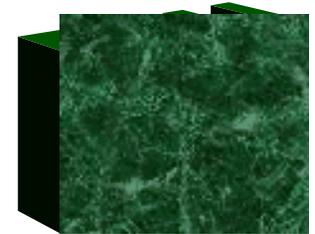


1 Gb/s



The Network

...s bos, nikhef, Amsterdam



Plans

for the next 2 months



Install first hardware for the farm (40 cpus)

Install software for the farm:

(auto-) install of Linux: RedHat 6.1.1 (final CD) ?

Simple batch system or Fermilab batch ?

Simple monitoring system or Netlogger ?

Ups/upd/upp(?) for D0gstar or tarfiles ?

Sam ? Later ?

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