

# Revamp of High Energy Physics Laboratory's Computer Systems

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Milestone 4  
Goals

GEM  
Computers

Compute  
Cluster

Muon  
Tomography  
Station

Existing MTS  
Development MTS

Milestone 5  
Goals

Questions

# Milestone 4 Progress

Task	% Completion	Eric	Josef	Ryan	To Do
Integrate cluster components.	0%	0%	0%	0%	find new solutions
Rewire the existing MTS.	90%	70%	20%	0%	miscellaneous touch ups
Resolve software issues with development MTS.	60%	0%	40%	20%	reinstall AMORE

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# GEM Computers

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- Attempted to save Truth PC
- Checked computers RAID systems
- Adjusted drivers on multiple computers
- Assist GEM Team with programming issues.

# Compute Cluster

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- Ideally:

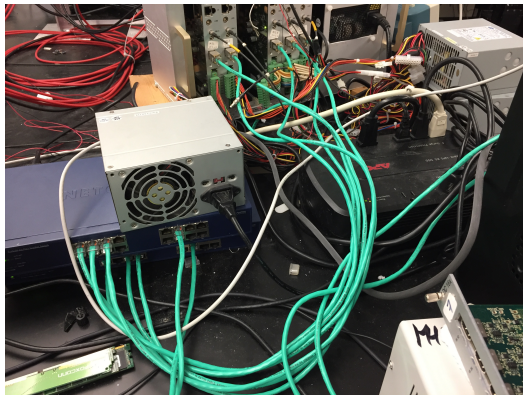
- 1 Node boots into ROCKS Kernel CD
- 2 Node notifies head node of its existence
- 3 Node requests kickstart file from head node

- In Reality:

- 1 Node boots into ROCKS Kernel CD
- 2 Node notifies head node as soon as networking is enabled within the installer
- 3 In what state does the node request a kickstart file?

# Existing MTS

- Cable lengths have been optimized
- Cables have been tidied up
- Obtained FEC firmware!



# Development MTS

- Attempted a reinstall of ROOT and AMORE to help solve issues
- Reinstallation of ROOT solved ROOT problems
- Tried to reinstall AMORE only to find that its repository has been decommissioned and AMORE no longer supported
- Fortunately, we are in communication with former lab member who has access to the AMORE source on CERN's private GitHub

Hello Ryan,

AMORE has been discontinued for good. Its target was to support the ALICE experiment at LHC for LHC Run 1 and Run 2. There will be no further development and no more releases, the AMORE system has been definitively de-commissioned. You can remove the repository from your database. What you have right now is the last release ever.

For further communications on this subject, please contact Vasco Barroso (here in CC).

Desolate,

--

Roberto Divià

sure!

As concerns AMORE no problem, we have the sources also on our github. I have the sources also for DATE, I need to find them but I will do it today.

StefanoC

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# Milestone 5 Goals

Task	Eric	Josef	Ryan
Continue to Care for Existing MTS	60%	20%	20%
Compile Instructions for MTS Operation	20%	40%	40%
Prepare Development MTS Machine	20%	50%	30%
Integrate Nodes into Cluster	10%	10%	80%
Assist Researchers	70%	10%	20%

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# Questions



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