



Monitoring & Control Systems

⇒ Computer security

- From PC manager's meeting 08/19/05
- Computer security has highest priority from DOE
- Computer security audit in one month to ascertain level of readiness
- Computer security audit in one year
 - Network port scans
 - Checking level of security patches
 - Social engineering
 - More?
 - If results unsatisfactory, lab network may be shut down till satisfactory
- Must get all PCs up to latest security patches!
 - Cryo PCs already done; PISABOX took about 1 hour
 - Difficult while running



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- ➔ Server nodes (Dual process Xeons with redundant power supplies)
 - CDF-FS1 network disk
 - Replaced 08/16/05
 - Now only using FERMI Windows 2000/XP domain for S: disk
 - When MUON3 is logged in, must explicitly give username & password for FERMI domain
 - CDF-FS2 web server
 - Still in progress (most cryo done)
 - Turns out iClient node cannot be SCADA node
 - Problems with network reliability to Soudan mine
 - Have to make sure other web pages (CDFTEMP, VOLTMAN) still work
- ➔ MUON3
 - Had to be removed from FNAL NT domain (FNAL domain server removed 08/17)
 - Now has non-networked FNAL account and FERMI account
 - Ran in state over weekend (08-19 to 08-21) where machine would be unusable if rebooted
 - Good news! Code has successfully compiled and some testing has been done on CDF-CAP-MUON3
 - Also, no moved to behind LCD monitor for MUON3 so we can quickly change connections
 - Bad news! No time to test CDF-CAP-MUON3
 - Ideally would like both Yeongdae and muon experts present during testing