



CD FY08 Tactical Plan Status

FY08 Tactical Plan Status Report for Servers/FNALU

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FY08 Tactical Plan for Servers/FNALU

- Relevant Strategic Plan(s):
 - Strategic Plan for Servers/FNALU ([2323-v1](#))
- Tactical Plan Leader: Wayne Baisley
- Organizational Unit home
 - CD/LSC/CSI/DSS

FY08 Tactical Plan for Servers/FNALU

Tactical Plan Goals

- Transition services in short term
 - from multiplatform to Linux-only resources
 - from mail server to mail-client only resource
 - from batch/interactive to interactive-only resource
- For experiments with little or no local resources:
 - Transition batch computing to other Grid resources.
 - Provide a place to install and use licensed applications (e.g. MAFIA, MICE, etc).
 - Provide disk space and scratch areas.
 - Provide pnfs mounts to migrate data into Enstore where requirements exceed AFS, and for large file transfers.

Activities Summary: FTEs

CORE SERVICES / FNALU Support

Level 0 Activity Core Services % of FY Complete: 75%

Personnel Usage (FTEs)

		<u>Allocation</u>		<u>Actual YTD</u>			Current	
Tactical Plan				FTE-yrs (Ave/mo)	% Consumed		FY08	
Level 1 Activity	FTE-yrs	FTE-mos		FTE-mos	YTD		Forecast	
Servers/FNALU		.8	1	0.8	.63	80%	8	100%
Batch Transition		.2	2	0.2	.12	60%	2	100%
Total		1.0	12	1.0	0.75			

Activities Summary: M&S (Internal Funding)

Level 0 Activity: **Core Services** % of FY Complete: **75%**

Operating & Equipment M&S **CD Internal Funding**

Tactical Plan Level 1 Activity	<u>Operations M&S</u>				<u>Equipment M&S</u>			
	FY Obligation Budget	YTD Obligation s + RIPS	% Spent	Current FY08 Forecast	FY Obligation Budget	YTD Obligation s + RIPS	% Spent	Current FY08 Forecast
Replace old Suns with Linux					5,000	0	0%	5,500
Replace oldest Linux nodes					15,000	0	0%	14,500
Water leak damage					-	100	0%	6,500
Maintenance for kpassa, ksera, klik, klak, kbella	118,000	88,500	75%	118,000				
Total	118,000			118,000	20,000	0	0%	20,000

General Notes, from December 17, 2007 meeting

- Software Issues
 - LSF License Support ends 9/15/2008
 - Transition to mail-client only resource (now complete)
- Hardware is outdated
 - NIS master/slave are very old
 - Interactive nodes are 3 years old (replace or add maintenance?)
 - Batch nodes are mostly very old
- Batch options discussed at the time...
 - Run Condor locally (*we lack resources to support Grid glide-in*)
 - Sun GridEngine?
 - Eliminate batch?

FY08 Tactical Plan Issues & Risks for FNALU

Tactical Plan Goals

- Transition services in short term
 - Replacing Sun nodes is necessary to remain viable (Helpdesk uses fsun02 for setting up new accounts)
 - Substitution of Condor batch for LSF is nearing completion; should make it easy for users to transition to Grid resources
- For experiments with little or no local resources:
 - Still need a place for licensed applications (MAFIA, MICE, etc)
 - Scratch areas have moved to BlueArc, may expand next year
 - Support of pnfs mounts to migrate data into Enstore where requirements exceed AFS sizes, and for large file transfers

Anticipated Purchases



- Replace NIS nodes fsun01 & fsun02 (\$5.5K)
- Replace flxi06 & flxi07 destroyed by water leak (\$6.5K)
- Replace old interactive nodes flxi04 & flxi05 (\$6.5K)
- Replace 2 of the oldest batch nodes (\$8K)

Tactical Plan Status Summary



- Status Summary
 - Things have generally proceeded according to plan
 - As with many other groups, the budget that happened in December have postponed equipment purchases until now