



CD FY08 Tactical Plan Status

FY08 Tactical Plan Status Report for Central Services/Authentication

Ramon Pasetes

June 24, 2008

FY08 Tactical Plan for Central Services/Authentication

- Relevant Strategic Plan(s):
 - Strategic Plan for Central Services ([2212](#))
- Tactical Plan Leader: Jack Schmidt/Ken Fidler
- Organizational Unit home
 - CD/LSC/CSI/CSG

FY08 Tactical Plan for Central Services/Authentication

- **Tactical Plan Goals**

- Authentication ([2464-v2](#)), Windows Domain ([2327](#))
- Upgrade to Domain Controllers to 64-bit OS and Windows Server 2008
- Create a site LDAP authentication service
- Migrate existing KCA service to Windows Servers
- Migrate MIT K5 realm to Windows FERMI AD realm
- Created dedicated TS for domain controller access
- Create DR site at Argonne for FERMI Domain authentication

Activities Summary: FTEs

Level 0 Activity

Core Services

% of FY Complete:

67%

Personnel Usage (FTEs)

Tactical Plan Level 1 Activity	Allocation		Actual YTD			Current	
	FTE-yrs	FTE-mos	FTE-yrs (Ave/mo)	% Consumed FTE-mos YTD	FY08 Forecast		
Authentication Services	1.40	16.8	0.73	8.7	52	12.00	71.43%
Central Services	1.30	15.6	0.72	8.6	55	12.00	76.92%
Mail + Calendaring	1.82	21.8	1.58	18.9	87	25.00	114.68%
NGOP Services	0.50	6	0.18	2.2	37	2.80	46.67%
Print Services	0.30	3.6	0.09	1.1	31	1.90	52.78%
SAN & NAS	1.50	18	0.83	9.9	55	14.00	77.78%
AFS	0.45	5.4	0.30	3.7	69	5.40	100.00%
Site-Wide Backups	1.75	21	0.85	10.2	49	14.00	66.67%
Web Support	1.45	17.4	1.50	18	103	22.00	126.44%
Windows OS Support	5.00	60	0.88	10.6	18	12.60	21.00%
Total	15.47	185.6	7.66	91.9	50		
		10.14	121.68		76	121.70	

Activities Summary: FTEs

Level 0 Activity Core Services % of FY Complete: 67%

Personnel Usage (FTEs)

		<u>Allocation</u>		<u>Actual YTD</u>			Current	
Tactical Plan				FTE-yrs			FY08	
Level 1 Activity	FTE-yrs	FTE-mos	(Ave/mo)	FTE-mos YTD	% Consumed	Forecast		
Authentication Services		1.4	16.8	0.73	8.7	52	12	71.43%
Windows OS Support		5	60	0.88	10.6	18	12.6	21.00%
Total		6.4	76.8	1.61	19.3			

Notes on Funding

- Current funding lumped under SERVERS-LAB-OP
- Difficult to determine what items spent were dedicated to this task/activity
- SERVERS-LAP-OP is a shared budget between at least 2 groups (Central Services and Desktop/Server Support).

Anticipated Purchases



- 3 domain controllers (\$13.5K, SERVERS-LAB-OP)
 - Replace aging domain controllers

Project Activity: KCA Migration

- Provide centralized keberos certificate authority services for the lab.
- Original Goals Related to this Activity [from Tactical Plan]
 - 1. Goal 1
 - Migrate existing KCA from Solaris to Windows
 - 2. Goal 2
 - Transfer responsibility for KCA from CST to CSG
- Adjusted Goals Related to this Activity [given FY08 Budget adjustments]
 - 1. Same
- Key Milestones
 - 1. KCA placed into production 5/28/2008
- Issues and Risks (specific to this activity, includes budget impact)
 - 1. No major issues or risks.

Project Activity: LDAP Authentication

- Provide 3rd centralized authentication service for the lab for those apps which can not be easily kerberized.
- Original Goals Related to this Activity [from Tactical Plan]
 - 1. Goal 1
 - Create LDAP service for use with 3rd party applications.
 - 2. Goal 2
 - Assist in the migration of old applications to use new service.
 - 3. Goal 3
 - Encourage the use of the new service/
- Adjusted Goals Related to this Activity [given FY08 Budget adjustments]
 - 1. Same
- Key Milestones
 1. Services domain established 1/31/2008.
 2. Aperture and MM using new service.
 3. VPN, Exchange, Sharepoint, to begin using new authentication service.
- Issues and Risks (specific to this activity, includes budget impact)
 1. Expertise in supporting this service is thin.
 2. Insufficient effort to place proper tools (self-help, documentation) in place.

Project Activity: DR

- Create DR site at Argonne for FERMI Domain authentication
- Original Goals Related to this Activity [from Tactical Plan]
 - 1. Goal 1
 - Install 2 domain controllers at Argonne and test functionality
 - 2. Goal 2
 - Establish remote management access to servers
- Adjusted Goals Related to this Activity [given FY08 Budget adjustments]
 - 1. Same
- Key Milestones
 1. DR site has been established and tested.
- Issues and Risks (specific to this activity, includes budget impact)
 1. Insufficient effort to upgrade servers to 64-bit OS or Windows Server 2008

Service Activity: Infrastructure Maintenance

- Maintain authentication infrastructure. Upgrade, expand, enhance as necessary.
- Original Goals Related to this Activity [from Tactical Plan]
 - 1. Goal 1
 - Upgrade all domain controllers to 64-bit OS and Server 2008
 - 2. Goal 2
 - Create dedicated terminal server to access domain controllers.
- Adjusted Goals Related to this Activity [given FY08 Budget adjustments]
 - 1. Purchase hardware replacements
- Key Metrics
 1. Graphs showing growth of [Fermi Domain](#).
 2. Newer hardware on order.
- Issues and Risks (specific to this activity, includes budget impact)
 1. Insufficient effort to begin upgrades to existing servers (currently 32-bit W2K3).
 2. Aging hardware.

Tactical Plan Issues and Risks

- Issues and Risks (+ impact of FY08 DOE/FNAL budget)
 - Effort diverted from domain maintenance to accomplish KCA migration, establish new LDAP service.
 - Additional effort required to complete MIT K5 migration to Windows
 - Insufficient effort in domain maintenance can be tolerated for now. Risk is that new features required from the domain may not be supported until we upgrade to Windows Server 2008.

Tactical Plan Status Summary



- Status Summary
 - Additional effort is required to complete documentation and user-friendly tools for LDAP service.
 - There appears to be sufficient effort for KCA support.
 - There is insufficient effort for domain maintenance, but for now this is an acceptable risk.