DTF report

Erez Etzion

ACCU Meeting

June 11, 2008
Agenda (10.6.08)

1. Computer security @ CERN
2. Use of Active Directory Server 2008 in ATLAS
3. Refurbishment of videoconference rooms in building 40
4. Update on NICE
5. New portable PC model
6. Mail evolution and anti-spam
7. Update on the new support contract
8. AOB: (Elonex)
A change in attack pattern is impacting the CERN site. Targeted
attacks with knowledge of our site and software are becoming a
growing threat. Whilst automated Bots and viruses continue to
spread, these are now supplemented by humans looking for
security weaknesses. Targets are mainly web sites with insufficient
access rights, software with insufficient validation on input data,
and 'phishing' for passwords and personal data using targeted spam
emails. **Quality controls taking account of security risks, need to
be part of the software development.** Specific advice for software

The security team has experienced good collaboration and
acceptance for the Skype restrictions and configuration linked from
[http://security.web.cern.ch/security/skype/](http://security.web.cern.ch/security/skype/). As foreseen, this is
helping to distinguish Skype usage from similar and suspicious
traffic patterns.
Videoconference rooms in build. 40

- Building 40 - about 11 rooms are equipped currently refurbishing the main auditoriums.
- There is a standard based on Tandberg setup system. Goals for all the new room – Standardization!
- Integrate audio and video conferencing.
- Avoid special buttons etc.
- IT control and manage the equipment evration tool. Call for help EVO – en remotely.
- EVO is currently the main collabobutton otherwise – phone to the center.
Nice

• Windows XP SP3
  – available soon, not a big change

• Windows Vista SP1
  – available already when you reinstall a PC
  – will be available soon as an update through CMF

• CERN Alerter
  – new version includes extra functionality and performance improvements and will be deployed CERN-wide soon
  – opens possibility for dedicated feed for user communities where service managers could post their own messages

• Java updates
  – current schema is not efficient and requires actions from users
  – we propose to incorporate Java updates into the schema of monthly Microsoft system update deployment
Mail

• 19,000 mailboxes (+10% each year)
  – Technology: Exchange 2003, 3 TB of data (+40% each year)
• 2-3 million incoming messages/day (+100%)
  – 98-99% detected as spam
• 6,000 mailing lists (+20% each year)
• Excellent availability
  – 90% mailboxes suffer less than 1 hour/year mailbox unavailability
• End 2006: hardware renewal for mailboxes
• End 2007: introduction of Exchange 2007 (IMAP/POP/OWA...)
• April 2008: new mail gateways - Exchange 2007
Mail (2)

• New anti-spam system
• Progressive evolution of the service
  – Minimize user impact
  – Providing constant improvements
• 2 upcoming major updates
  – Mailbox migration to Exchange 2007
    • Pilot this summer
    • Mass migration fall ‘08
  – Simba / e-Groups merger
    • Goal: end 2008