

# **Computing News**

**November 9, 2012**

# Outline

- Computer Security
- Migration of HEP Mail to ANL Exchange
- Migration to LDAP Authentication
- Migration to New Web Server
- Phase out of Windows XP and Office 2003

# Computer Security

- CIS routinely scans laptops for security problems
  - CIS is helping us by identifying potential vulnerabilities
  - It is much better to be proactive and to avoid security problems in the first place.
  - Mopping up after an incident is costly in time and effort.
- If your laptop is flagged:
  - Respond as soon as possible
  - Ask for help if you don't know how to address the issue
  - Avoid a repeated offense (looks bad for the division)
- Do not:
  - Ignore the problem
  - Argue that you are too busy to deal with it
  - Argue that it is too inconvenient to adopt a remedy

# HEP Mail Migration

- Lab management has made an executive decision that divisions can no longer maintain their own mail servers.
- HEP email is going away (soon) and most HEP users will need to migrate to another server.
- What are the choices?
  - ANL Exchange Mail server (web interface: mail.anl.gov)
    - Recommended if you have sensitive or proprietary emails
  - Gmail or other external mail server
    - Postdocs and non-permanent staff should consider this option because Argonne will delete your mailbox when you leave the lab
    - In the event of e-discovery, you are **REQUIRED** to supply ALL of your email (including any personal email) -> 2 gmail accounts
    - Google has been attacked; users are not routinely notified
    - Google has no backups
    - For more information, see

<https://blogs.inside.anl.gov/focalpoint/2011/04/04/cloud-computing-and-cyber-security/>

# HEP Mail Migration

- Who has to migrate? :
  - If you are already on Exchange: do nothing
  - If you are already on gmail: do nothing, unless you have a .forward file on HEP
    - Setup an alias in the ANL alias system
    - Setup an inbox rule on mail.anl.gov
  - If you use the HEP mail server (gate), you will need to migrate.

# What does migration involve?

- CIS sets up Exchange mail boxes for all HEP users
- User (or CIS) sets up an email aliases for `username@anl.gov` in the ANL alias system (otherwise `username@anl.gov` is not a valid email address)
- User sets up mail forwarding from `username@hep.anl.gov` to `username@anl.gov`
- User copies mail folders to ANL Exchange server. (We provide a linux script; CIS will provide a Windows script)
  - Users migrating to other servers should be able to adapt the script very easily
- User sets up favorite mail client to point to Exchange
  - Thunderbird and pine instructions will be on our computing-help web pages soon (but you can guess them easily)
  - Webmail interface is at `mail.anl.gov`
- After gate mail services are turned off, a blanket alias will redirect any mail from `hep.anl.gov` to `anl.gov`

# Detailed Instructions – 1

(see link on [www.hep.anl.gov/cweb](http://www.hep.anl.gov/cweb))

- 1. Remove any aliases to `username@hep.anl.gov` in ANL email alias system (<http://web.anl.gov/alias/>).
- 2. Verify that you have an ANL exchange mailbox and that you can login to the ANL Exchange server with your ANL domain password by accessing the webmail interface at `mail.anl.gov`.
- 3. Make sure that you have an alias for `username@anl.gov`. The email address for this alias should be `username@anlmail.anl.gov`. Use the alias system to add this alias if you don't have one already.
- 4. Send a test email to `username @anlmail.anl.gov` and `username@anl.gov` to make sure that you can receive mail in your ANL Exchange mailbox and that your alias is working.
- 5. Empty your Inbox on the HEP side.
- 6. Create a `.forward` file in your home directory to forward all your HEP email to `username@anl.gov`

# Detailed Instructions - 2

- 7. Test mail forwarding by sending mail to `username@hep.anl.gov` and making sure that it arrives in your ANL mailbox.
- 8. Run `create_passwdfile.csh` to create to create temporary password files.
- 9. Run `migrate_mymail.csh` to migrate your mail folders from `gate.hep.anl.gov` to `mail.anl.gov`.
- By default, this script copies all of your folders and subfolders to the ANL Exchange server.
- 10. Check the logfile in `~/private/mail_migration.log` for errors.
- 11. Delete the saved password files ASAP.
- 12. Configure your mail client(s) to use Exchange (see our web pages for detailed instructions):

# Migration to LDAP Authentication

- HEP is switching to using LDAP authentication and kerberos passwords.
- HEP linux passwords and ANL domain passwords will be one and the same!
- Migration will be done in stages and will be (mostly) transparent to users.
  - Personal desktops will be done first
  - Worker nodes will be next
  - File server will be last
- One “public” linux system (probably work1) will need to stay on the old system until the mail migration is complete.

# Web Server Migration

- We need to upgrade our web server (also gate)
- Migration will be (mostly) transparent to users
- New server is up and running
- To be decided:
  - Wait for mail migration to happen and keep gate as the web-server name
  - Decide on a new name and migrate now. (any links with `gate.hep.anl.gov` will break)

# Windows XP and Office 2003

- If you have Windows XP and Office 2003 on your desktop or laptop:
  - End of life is April 2014
  - Windows 8 is now available and we are testing 2 machines
  - Expect to replace your desktop with a new Windows 7 or 8 system over the next year or so.