Project #3  -- Automation

Create a set of scripts which can run without user intervention to set up your development server automatically to our current point of progress. In other words, you should be able to:

1. Do a default install of ubuntu
2. Log into the new installation
3. Run your scripts (with no further interaction except for the command-line script invocations)
4. Result in a fully functional development system that includes:
   - Working SSH Server
   - User (admin) accounts for team members and instructor, and startup user (teamname) disabled for logins
   - All current updates
   - Your documentation files in /home/teamname/docs (or better systems such as wiki's)
   - Plod working as directed in the short task
   - Backups of previous plod logs restored to user directories
   - Make necessary changes to apache configuration so that server-update and server-info work from computers in the selu.edu domain
   - Perform some security hardening, including disabling root ssh logins and installing fail2ban (configured to protect ssh and apache).

Note that you DO NOT have to set up request tracker.

Remember that you can store backups, scripts, etc. in a directory on a web server (such as your netstorage account) and get the files using wget. An example is given in Dr. K's script0.sh.

You should be ready to actually do this, start to finish, in class on Thursday, 10/25/07. Start with an unformatted system and end up with a system that is just like your current development system.