

System Administration for Beginners

Final Project Addendum

Spring 2009

Project Suggestions

- Build a mailserver complete with POP3/IMAPS, authenticated SMTP, spam filtering, and a web-frontend.
- Look at how SSH authenticates users and implement other methods through PAM (database, kerberos, LDAP)
- Set up SSL on your webserver. Generate a CA and self-sign a certificate for use on your webserver. Add HTTP Authorization to "password protect" a site and setup usernames and passwords in a database table.
- Build a streaming music server and password protect the stream. (Is this possible?)
- Build a web interface in which users can run command line scripts securely. See <https://secure.ocf.berkeley.edu/cgi-bin/cmds.cgi>
- Build a log analyzer that can process /var/log/auth.log. Look at the format, generalize, and create something that will parse through the data.
- Customize, compile, and install your own kernel (experimental)