

System Administration for Beginners

Final Project Addendum

Spring 2010

Project Suggestions

As a generic rubric, advanced projects are marked as A, medium M, easy E

- E-store, build a site to sell something (Items could be fake/made-up like a widget, foobars or something). [**A**]
 - Some sort of a way to keep track of a user's "cart".
 - SSL secured transaction.
 - Inventory Mangement System.
 - Customer Feedback/Confirmation System.
 - Sales tracking
- Music server with live music streaming. It must be secured/password protected. [**E**]
 - Login protected website or SSH/VPN protected stream.
 - Website describing library/stream timings.
 - User Feedback and a well designed blog.
- Customizing Linux kernel (Implement a new AAA system). [**A**]
 - PAM + one of Kerberos, RADIUS, LDAP for authentication.
 - Database authorization.
 - Splunk for accounting.
 - and all the customized scripts to go with it...
- Web Traffic Analyzer [**M**]
 - Snoop traffic of the whole subnet.
 - Rotate/delete files accordingly to preserve space.
 - Put real-time results on a nice website + blog.

- Plain Blog (Easiest to set up, so will have the more things to implement for decent project) [E]
 - Must be bullet proof from a security standpoint.
 - IP blacklisting for abusive users.
 - Relevant parts must have SSL or `.htaccess`.
 - `Webalizer` or `monit` for stats.
 - `Splunk` installed.
 - Web-based file uploader.
 - Web-based command execution.
 - At least one item must be compiled (No `apt-get` for everything).