

Cooking with Splunk



HOWTO build a powerful, secure, portable, and free (as in beer) log analysis platform

Justin Hall





A delicious forensic log analysis platform

Cook time: 1-2 hours

Ingredients

1 virtual computing platform

recommended: Oracle VirtualBox

1 copy of Linux

recommended: Ubuntu Linux Server 10.04 LTS

1 copy of Splunk

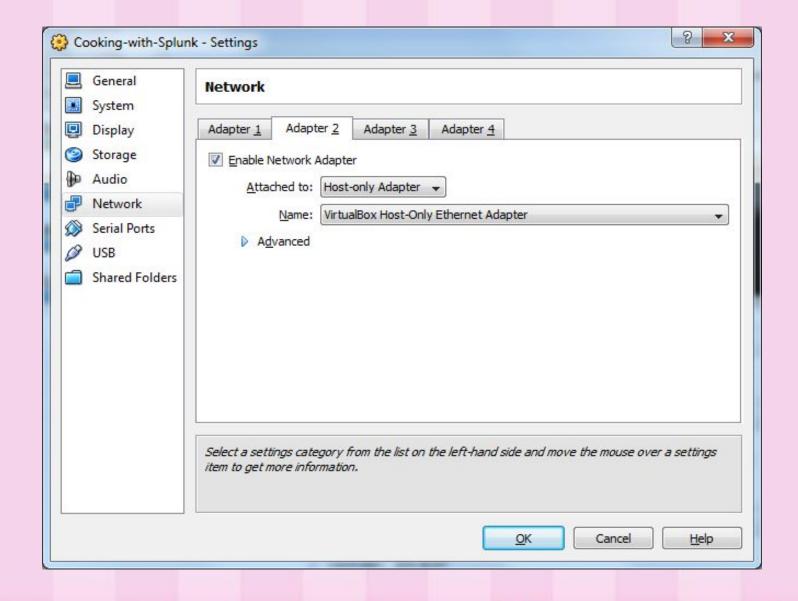
recommended: Splunk 4.2 for Linux

12 oz cold beverage

to consume while building

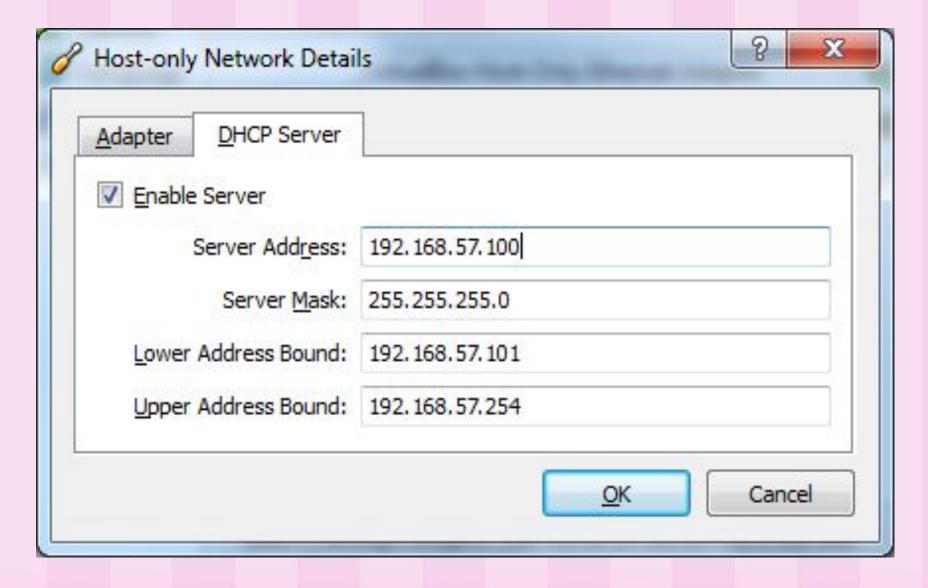


Step 1: Install VirtualBox



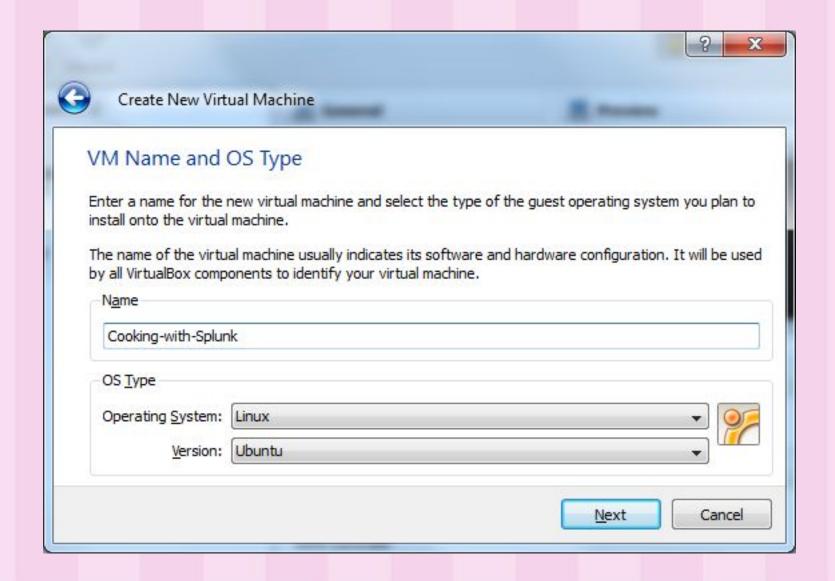


Step 2: Configure host-only network



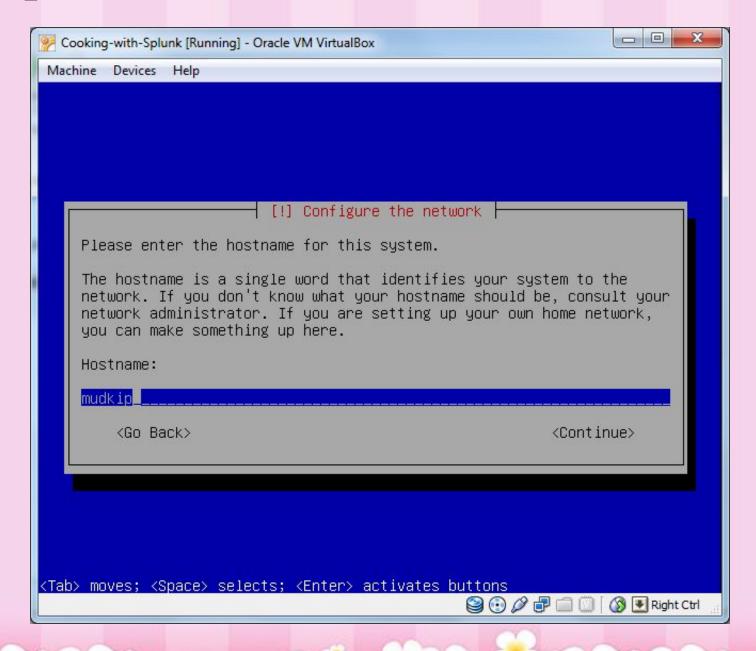


Step 3: Create new VM



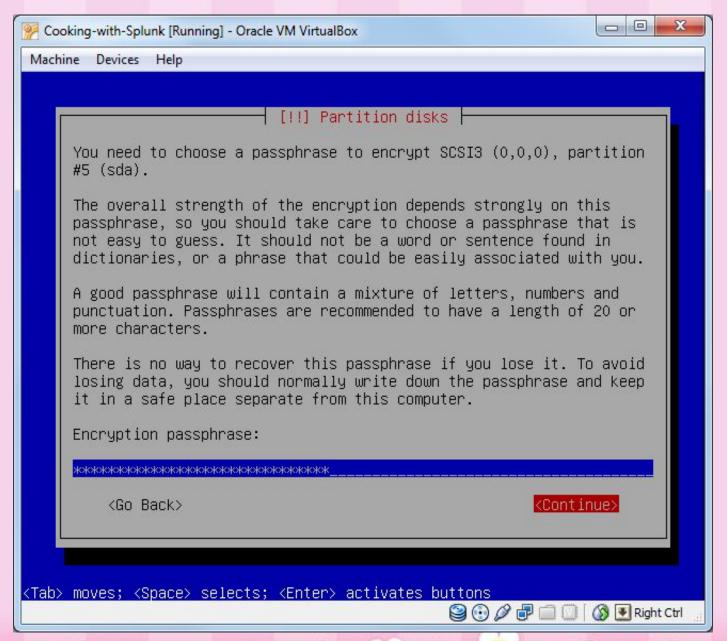


Step 4: Install Linux



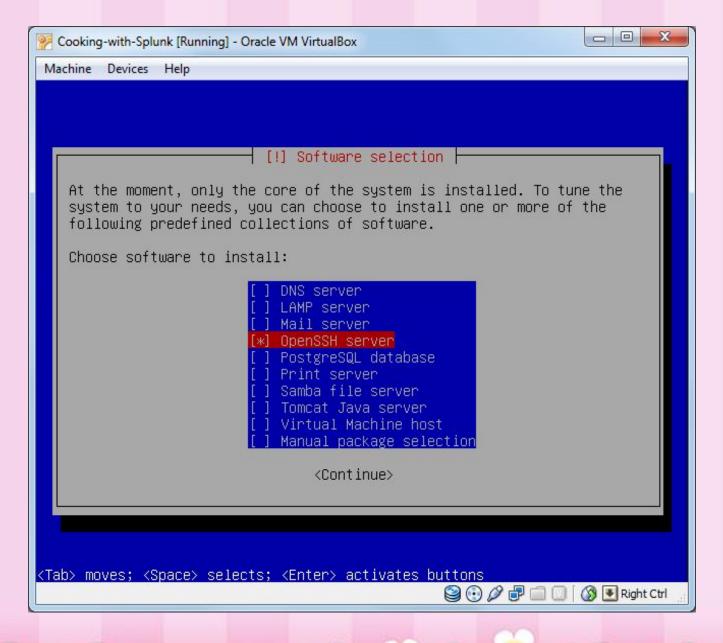


Step 5: Fold in Full Disk Encryption



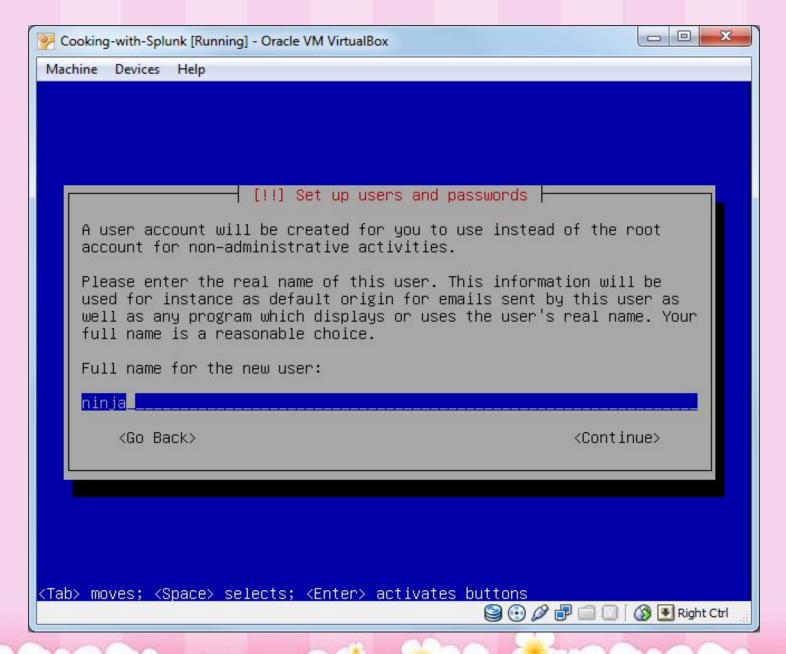


Step 6: Add a dash of OpenSSH Server



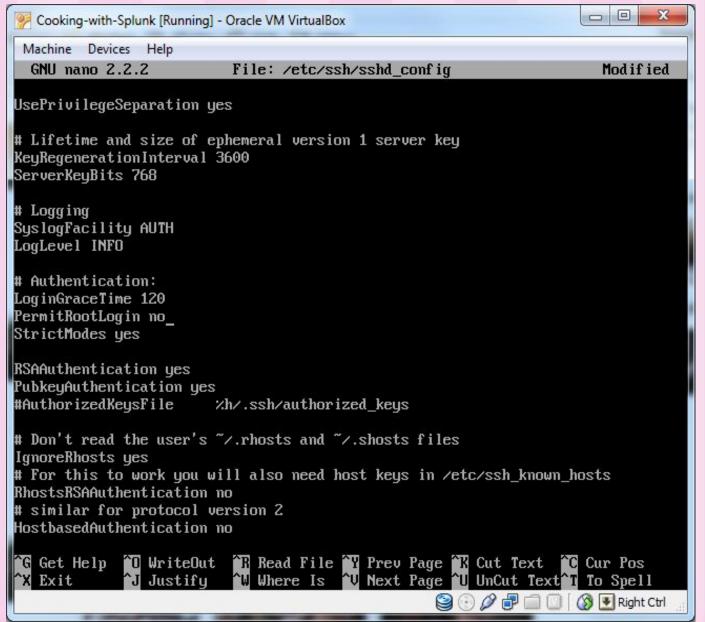


Step 7: Add two (2) users and one (1) group



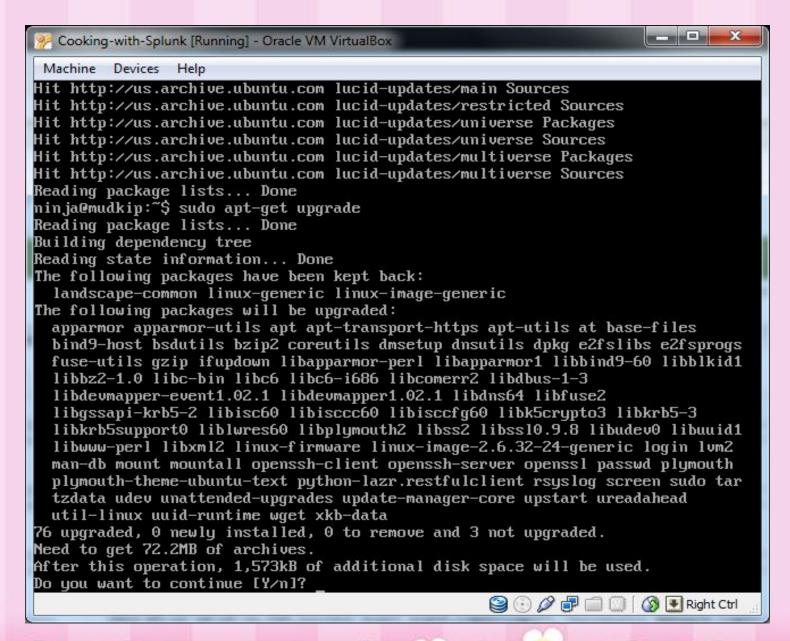


Step 8: Configure OpenSSH



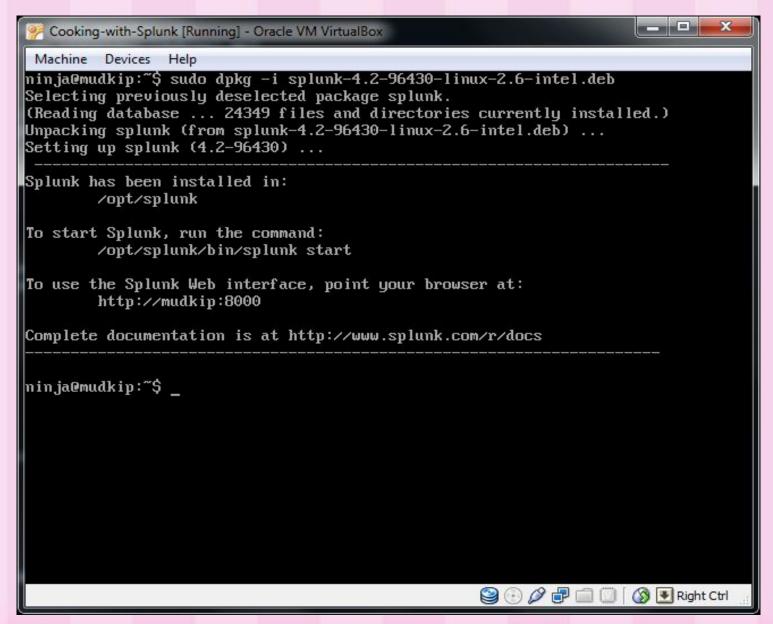


Step 9: Patch that \$#&@!





Step 10: Install Splunk



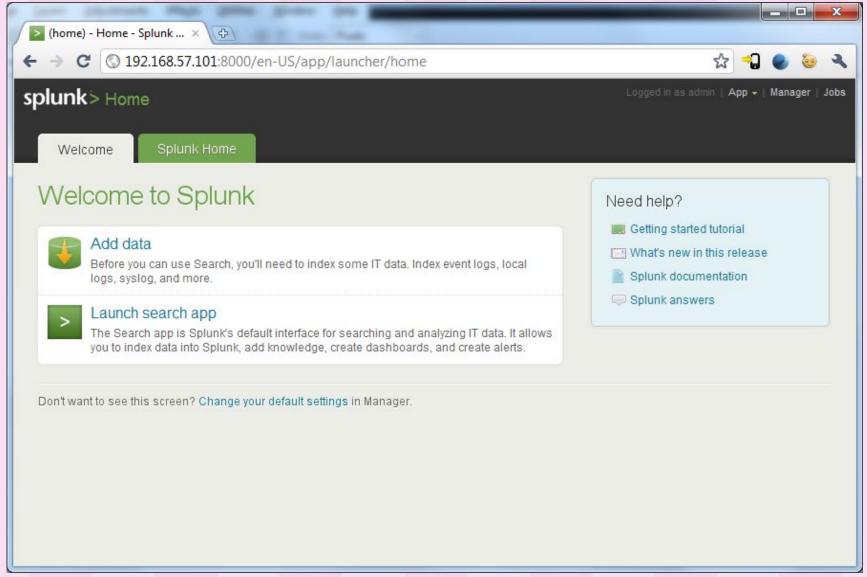


Step 11: Create log directory

```
Command Prompt
C:\temp>pscp seclogs.csv ninja@192.168.57.101:/logs/
ninja@192.168.57.101's password:
                        | 9233 kB | 1538.9 kB/s | ETA: 00:00:00 | 100%
seclogs.csv
C:\temp>_
```

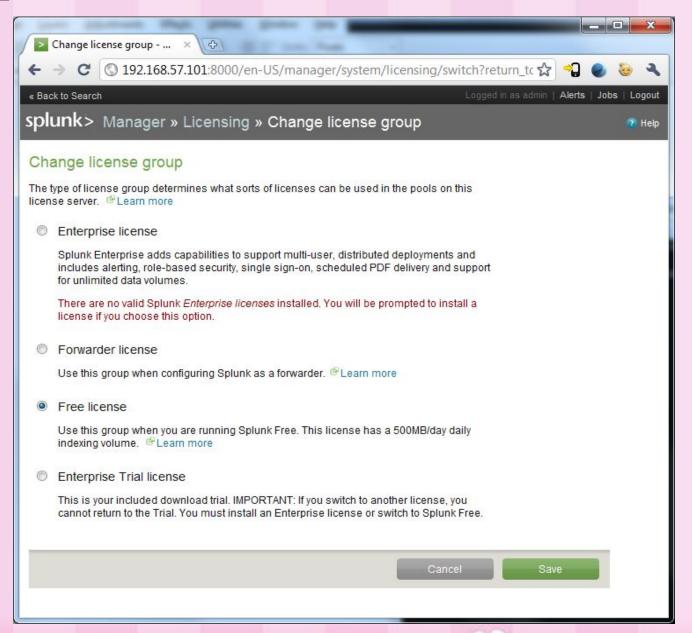


Step 12: Fire up Splunk



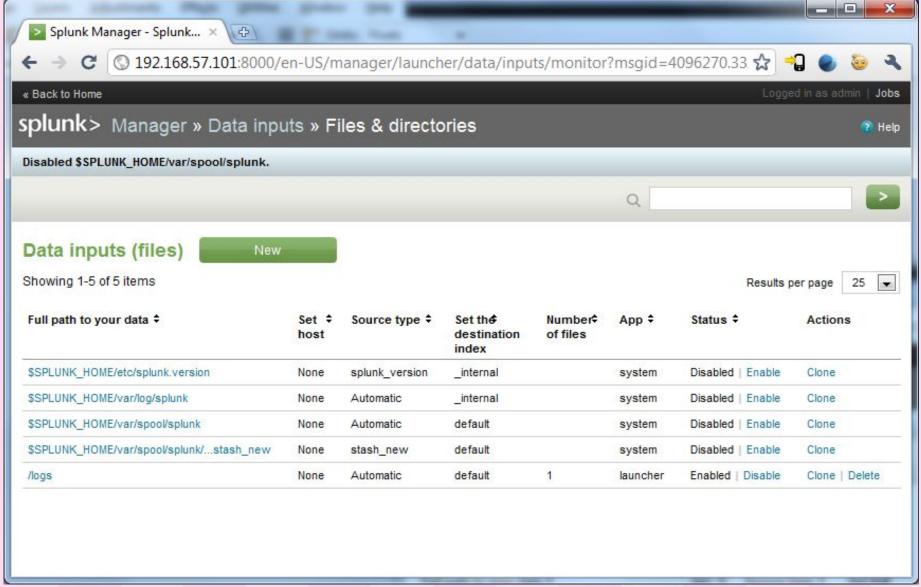


Step 13: Switch to Free license



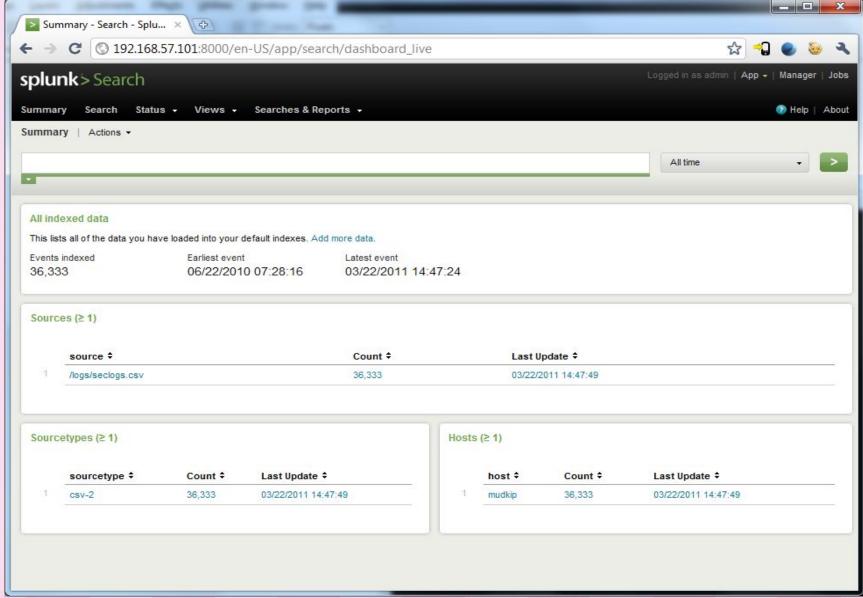


Step 14: Configure Splunk to read /logs



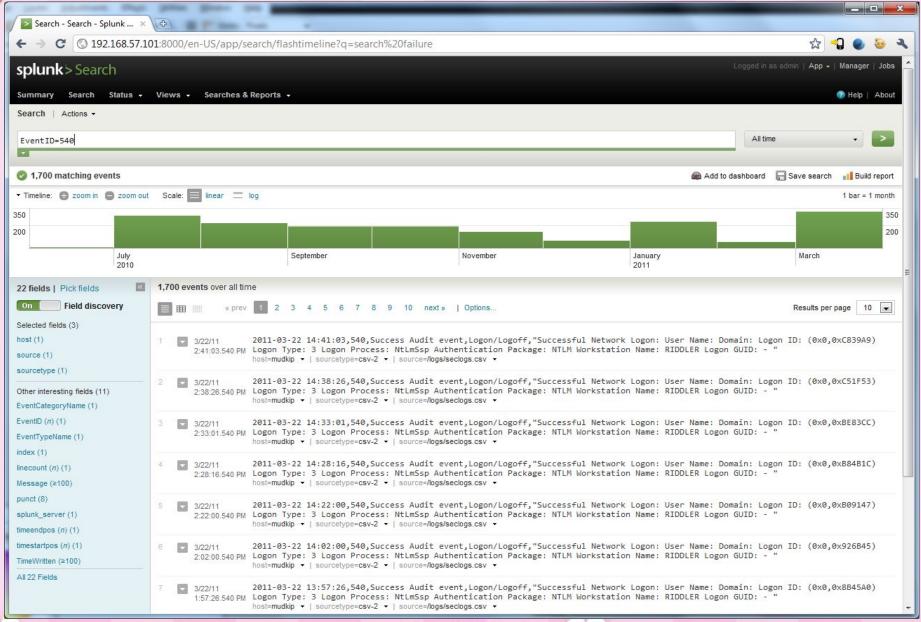


Step 15: Give it a try!





Step 16: Enable boot-start





- To wipe the slate clean, run: /opt/splunk/bin/splunk clean eventdata
- To distribute the VM, pass along the .VBOX config file and .VDI disk to others
 Remember to change passwords!
- Watch your license!



MMM MMMM GOOD



Questions?



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Thanks!
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