

## 0. Begin with a base install of Centos 5.3 32x with GUI. Remove unnecessary services

### 1. Network Configuration

- a. *setup*
- b. Add Static IPAddress for all interfaces
- c. Add Host Name
- d. Add DNS
- e. Open Firewall
  - a. SSH; Port 22
  - b. Webmin; Port 10000
  - c. HTTP: Port 80
- f. Turn off SELinux

### 2. Updates

- a. *Yum update*
- b. *Reboot after update finishes*

### 3. Users and Passwords

- a. Set Root Password
  - a. *passwd root*
- b. Create Self Users for SSH
  - a. *adduser <username>*
  - b. *passwd <username>*

### 4. Webmin

- a. *yum -y install perl-Net-SSLeay*
- b. *cd /usr/src*
- c. *wget http://superb-east.dl.sourceforge.net/sourceforge/webadmin/webmin-1.380-1.noarch.rpm*
- d. *rpm -i webmin-1.380-1.noarch.rpm*

### 5. Install RPM Forge

- a. *cd /usr/src*
- b. *wget http://packages.sw.be/rpmforge-release/rpmforge-release-0.5.1-1.el5.rf.i386.rpm*
- c. *rpm --import http://daq.wieers.com/rpm/packages/RPM-GPG-KEY.daq.txt*
- d. *rpm -I rpmforge-release-0.5.1-1.el5.rf.i386.rpm12.*

### 6. Preliminaries

- a. *groupadd rt*
- b. *turn off selinux (in the firewall section after typing setup)*
- c. *nano /etc/group*  
*change rt:x:### to rt:x:###:apache*
- d. *chmod -Rf 755 /etc/httpd/logs*
- e. *service httpd restart*

### 7. Install PreReqs

- a. *yum install httpd httpd-devel apr-devel mysql-client mysql-server mysql-devel mod\_perl*
- b. *yum install freetype-devel gd-devel libjpeg-devel libpng-devel xorg-x11-devel*
- c. *rpm -i http://rpmfind.net/linux/epel/5Server/i386/ncftp-3.2.2-1.el5.i386.rpm*
- d. *yum install perl-Apache-Session perl-Class-Container perl-Class-Data-Inheritable perl-Crypt-DES perl-Devel-StackTrace perl-Exception-Class perl-GD perl-GD-Graph perl-GD-Text-Util perl-Hook-LexWrap*

perl-HTML-Mason perl-HTTP-Server-Simple perl-HTTP-Server-Simple-Mason perl-IO-Socket perl-Net-SNMP perl-Params-Validate perl-Socket6 perl-XML-RSS perl-DBD-mysql perl-Calendar-Simple

## 8. Install Bundle::CPAN

- a. Perl -MCPAN -e shell
- b. Go through configuration using default  
At cpan shell type
- c. Install Bundle::CPAN  
Answer defaults to questions
- d. Exit

## 9. Install RT

- a. Cd /usr/srv
- b. wget <http://download.bestpractical.com/pub/rt/release/rt.tar.gz>
- c. tar xzf rt.tar.gz
- d. cd rt-\*/
- e. ./configure --with-web-user=apache --with-web-group=apache --with-modperl2 --with-mysql
- f. perl sbin/rt-test-dependencies --with-mysql --with-modperl2 --install
- g. make install

## 10. Setup Database

- a. service mysql start
- b. mysql
- c. mysql> USE mysql;
- d. *mysql> UPDATE user SET Password=PASSWORD('mysql17MHLS!17') WHERE user='root';*
- e. *mysql> FLUSH PRIVILEGES;*
- f. *mysql> exit;*
- g. *mysql -u root -p*
- h. *CREATE DATABASE RT3;*
- i. *GRANT ALL ON RT3.\* TO RT\_user@localhost IDENTIFIED BY 'RTPASSWORD';*
- j. *FLUSH PRIVILEGES;*
- k. Cd /usr/src
- l. cd rt-\*/
- m. *make initialize-database*

## 11. Setup Conf file

- a. Nano /etc/httpd/conf.d/rt3.conf  
Add  
<VirtualHost \*:80>  
    ServerName calldb.midhudson.org  
    ServerAdmin rdrake@midhudson.org  
    DocumentRoot /opt/rt3/share/html  
    AddDefaultCharset UTF-8  
    PerlRequire /opt/rt3/bin/webmux.pl  
</VirtualHost>  
  
<Directory /opt/rt3/share/html>  
    Order allow,deny  
    Allow from all  
    SetHandler perl-script  
    PerlResponseHandler RT::Mason  
</Directory>
- b. service httpd restart

## 12. Webmin Configure

- a. Log into the webmin
  - a. `https://localhost:10000`
- b. Change the webadmin password
- c. Add personal users to the wheel group
- d. Give nagios & personal users SSH access

### **13. Turn on Services**

- a. Turn on Webmin
- b. Turn on mysqld
- c. Turn on httpd
- d. Turn off: `acpid, anacron, apmd, autofs, Bluetooth, cups, firstboot, gpm, haldaemon, messagebus, mdmonitor, hidd, ip6tables, kudzu, lvm2-monitor, netfs, nfslock, pcscd, portmap, rpcgssd, rpcidmapd, smartd, yum-updatesd`

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