



**DNS Server** #bind package contains named  
 #Secure zonetransfer in red text #From /var/lib/named:  
 dnssec-keygen -a HMAC-MD5 -b 128 -n ZONE transfer  
 cat Ktransfer<tab>key #Show the key (last field)  
 vi /etc/named.conf #References to /var/lib/named/ conf files  
 options { #Uses ; (semicolon) for comments  
 forwarders { 192.0.2.1; }; #Forward only for unknown zones.  
 notify = yes; #Notify slaves immediately aft SOA change  
 };  
 key transfer { #Secure zonetransfer on master & slave  
 algorithm HMAC-MD5; #Place key after options { }  
 secret "key"; #key is last field in .key and .private file  
 };  
 key dhcp-dns { #Secure DDNS  
 algorithm HMAC-MD5;  
 secret "key";  
 };  
 server IP-of-master { #Secure zonetransfer on slave  
 keys { transfer; };  
 };  
 zone "example.com" in { #Configure master zone in named.conf  
 file "master/example.com";  
 type master;  
 allow-update { key dhcp-dns; }; #Allow DDNS from network hosts  
 allow-transfer { #Secure zonetransfer  
 key transfer; };  
 };  
 zone "1.0.10.in-addr.arpa" in { #Configure master reverse zone  
 file "master/10.0.1.zone";  
 type master;  
 allow-update { key dhcp-dns; }; #Allow DDNS from network hosts  
 allow-transfer { #Secure zonetransfer  
 key transfer; };  
 };  
 zone "sub.example.com" in { #Configure forwarding subdomain  
 type forward; #Add to parent domain zone file:  
 forward only; #sub.example.com. IN NS sr.example.com.  
 forwarders {  
 172.17.0.113;  
 };  
 };  
 zone "example.com" in { #Configure slave zone  
 file "slave/example.com";  
 type slave;  
 masters {  
 172.17.0.112;  
 };  
 };  
 less /usr/share/doc/packages/bind/misc/options  
 less /usr/share/doc/packages/bind/sample-config/<tab> <tab>  
 named-checkconf #Check syntax of /etc/named.conf  
 named-checkzone zone file  
 /etc/init.d/named start #Show errors: tail -f /var/log/messages  
 host hostname.domain.com #Check name server operation  
 dig hostname.domain.com #Check name server operation

**DHCP Server** #/etc/init.d/dhcpd  
 #Secure DDNS in green text #From /var/lib/named:  
 dnssec-keygen -a HMAC-MD5 -b 128 -n HOST dhcp-dns  
 cat Kdhcp-dns<tab>key #Show the key  
 vi /etc/sysconfig/dhcpd #Edit main settings  
 DHCPD\_INTERFACE="eth0" #Set the listening interface  
 DHCPD\_RUN\_CHROOTED="yes" #Chroot is /var/lib/dhcpd  
 vi /etc/dhcpd.conf #Configuration file  
 authoritative;  
 option domain-name "example.com";  
 option domain-name-servers 192.168.1.1;  
 option routers 172.17.0.1;  
 ddns-update-style interim; #Disable DDNS: ddns-update-style none  
 ddns-updates on;  
 key dhcp-dns { #Secure DDNS  
 algorithm HMAC-MD5;  
 secret "key";  
 };  
 zone example.com. { #Notice: No ending semicolon  
 key dhcp-dns; #Notice: Ending dot & no quotes  
 };  
 zone 1.0.10.in-addr.arpa. { #Notice: Ending dot & no quotes  
 key dhcp-dns; #Notice: No ending semicolon  
 };  
 default-lease-time 3024000;  
 subnet 172.17.0.0 netmask 255.255.0.0 {  
 range 172.17.0.100 172.17.0.149;  
 default-lease-time 3024000;  
 filename "pxelinux.0";  
 };  
 subnet 172.16.0.0 netmask 255.255.0.0 {  
 # Note: No range is given, vmnet-dhcpd will deal with this subnet.  
 };  
 chmod 600 /etc/dhcpd.conf #Prevent from reading by others  
 man dhcpd.conf #List examples  
 man dhcp-options #List options  
 /etc/init.d/dhcpd syntax-check #Other options: start | stop | restart  
 ifstatus-dhcp eth0 #Check from client. Package dhcp-tools:  
 tcpdump -lenx -s 1500 port bootps or port bootpc | dhcpdump  
 dhcpcing -c 172.17.0.107 -s 172.17.0.112 -h 00:0F:1F:C5:ED:96  
 tail -f /var/log/messages /var/lib/dhcp/db/dhcpd.leases  
**#DHCP Relay Server** #Package dhcp-relay  
 vi /etc/sysconfig/dhcprelay  
 DHCPRELAY\_SERVERS  
 DHCPRELAY\_INTERFACES



**CUPS Print Server**

```
cat /etc/cups/printers.conf #Common UNIX Printing System
#List all registered printers
l /etc/cups/ppd/ #List all printer configuration files
cat /etc/printcap #Contains UNIX compatible printer list
l /var/log/cups/ #List log files
yast2 printer #Admin., or: http://localhost:631
lpadmin #Admin.
lpadmin -p queue -u allow:user1,user2,@users
lpadmin -p queue -u allow:all
lpadmin -p queue -u deny:user1,@guests
lppasswd -g sys -a root #Enable root account as CUPS admin
less /etc/cups/cupsd.conf #List CUPS configuration file
```

**DNS logging**

```
vi /etc/named.conf #Aft options section (& aft key section)
logging
{
  channel sec_file {
    file "/log/bind_security.log" versions 3 size 20m;
    #under /var/lib/named (chrooted env., see /etc/sysconfig/named)
    severity debug 3;
    print-time yes;
    print-category yes;
    print-severity yes;
  };
  channel default_syslog {
    syslog daemon;
    severity info;
  };
  channel null {
    file "/dev/null";
  };
  channel "my_security_channel" {
    file "/log/my_security_file";
    severity info;
  };
  category "security" {
    "my_security_channel";
    "default_syslog";
    "default_debug";
  };
  category default {
    default_syslog;
    default_debug;
  };
};
```

**Samba Server**

```
fdisk -l #Three example tools (as root):
#List all
```

**zlm att**

```
p.263 zlm bundle-create
p.267 zlm bundle-add-package *.rpm
p.269 zlm bundlegroup-create
p.270 zlm catalog-create
p.271 zlm catalog-add-bundle
p.272 zlm catalog-create script
p.274 zlm workstation-add-catalog
p.298 rug sl, rug ping, rug refresh
```

```
p.300 rug bl, zlm queue-list
p.302 zlm-debug, log files, rug set-prefs debug-level max|min|off
p.322 7 policy types and class matrix
p.346 policy best practices, max 250 devices in Group/Folder
p.352 effective policies algorithm (max.1 GNOME-policy is effective)
p.358 tr.sh. policies, update requires new revision nr
p.361 /etc/opt/gnome/gconf/2
p.395 only hw-inventory roll up
rem. man. choice: vnc or ssh
? multiple gnome policies only via gconf editor
Aqua Data Studio for ER Diagram report
```

**Postfix Mail Server**

```
/etc/init.d/postfix status #Change red text for initial setup
chkconfig --list | grep daemon #Check daemon
vi /etc/aliases #Check reboot survival
#Add aliases, finish with newaliases
ll /var/spool/postfix #List postfix process directories
ll /etc/postfix #List postfix configuration files
vi /etc/sysconfig/mail #Generate new mail.cf (3 settings)
FROM_HEADER #Change FQDN sender name
MAIL_CREATE_CONFIG #Disable main.cf creation
SMTPD_LISTEN_REMOTE #Enable receiving Internet mail "yes"
#Generate new mail.cf, e.g.:
vi /etc/sysconfig/postfix
POSTFIX_RELAYHOST
POSTFIX_MASQUERADE
POSTFIX_LOCALDOMAINS #"domain1.com, domain2.com, dom3.com"
POSTFIX_RBL_HOST
POSTFIX_BASIC_SPAM_PREVENTION
POSTFIX_MDA #procmail | cyrus | local (default)
POSTFIX_ADD_MAILBOX_SIZE_LIMIT=0
POSTFIX_ADD_MESSAGE_SIZE_LIMIT=10240000
vi /etc/postfix/main.cf #Change more then 300 parameters
man 1 | 5 | 8 postfix #Read manual pages
susconfig --module postfix #Generate new main.cf from
/etc/sysconfig
vi /etc/postfix/master.cf #Change processes configuration
#Generate new lookup-table
postmap hash:/etc/postfix/sender_canonical
mailq #List work to do in mail queue
postcat mailfile #View mail
postconf #List settings
postsuper -s #Remove unneeded files
postsuper -p #Cleanup after crash, before restart
postfix check #Check configuration file syntax
```

**OpenSLP**

```
fdisk -l #Three example tools (as root):
#List all
```

**Network Monitoring**

```
fdisk -l #Three example tools (as root):
#List all
```

**Tomcat Servlet Container**

```
fdisk -l #Three example tools (as root):
#List
```