

02/16/15  
14:49:40

thohhaiphoox  
script-20150216-1.log

1

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Script started on Mon 16 Feb 2015 01:34:56 PM NZDT
\033]0;root@ubuntu: /media/KEY_GEN_LOG\007root@ubuntu:/media/KEY_GEN_LOG#
\033]0;root@ubuntu: /media/KEY_GEN_LOG\007root@ubuntu:/media/KEY_GEN_LOG# ssh josh@sign1.in
ternal.nzrs.net.nz
ssh: Could not resolve hostname sign1.internal.nzrs.net.nz: Name or service not known
\033]0;root@ubuntu: /media/KEY_GEN_LOG\007root@ubuntu:/media/KEY_GEN_LOG# ip sfk033[K033[K
\033[Kaddr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 16436 qdisc noqueue state UNKNOWN
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether f0:de:f1:68:52:d5 brd ff:ff:ff:ff:ff:ff
    inet 192.168.22.176/24 brd 192.168.22.255 scope global eth0
    inet6 2001:dce:0:11:f2de:f1ff:fe68:52d5/64 scope global dynamic
        valid_lft 86393sec preferred_lft 14393sec
    inet6 fe80::f2de:f1ff:fe68:52d5/64 scope link
        valid_lft forever preferred_lft forever
3: wlan0: <NO-CARRIER,BROADCAST,MULTICAST,UP> mtu 1500 qdisc mq state DOWN qlen 1000
    link/ether ec:55:f9:c3:b4:56 brd ff:ff:ff:ff:ff:ff
\033]0;root@ubuntu: /media/KEY_GEN_LOG\007root@ubuntu:/media/KEY_GEN_LOG# sphaqds@sign1.in
ternal.nzrs.net.nz [192.168.59.254] ssh: Warning: Permanently added '192.168.59.254' (RSA) to the list
Warning: Identity file /home/ubuntu/.ssh/id_rsa not accessible: No such file or directory
.
The authenticity of host 'srspl0g1.internal.srs.net.nz (192.168.59.254)' can't be establish
ed.
RSA key fingerprint is ae:b0:a4:17:0c:8b:82:30:1c:bb:73:11:4a:4f:1e:84.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'srspl0g1.internal.srs.net.nz,192.168.59.254' (RSA) to the list
of known hosts.
Permission denied (publickey).
ssh_exchange_identification: Connection closed by remote host
\033]0;root@ubuntu: /media/KEY_GEN_LOG\007root@ubuntu:/media/KEY_GEN_LOG# ssh josh@sign1.in
ternal.nzrs.net.nz [192.168.59.254] ssh: Warning: Permanently added '192.168.59.254' (RSA) to the list
Warning: Identity file /root/.ssh/id_rsa not accessible: No such file or directory.
Permission denied (publickey).
ssh_exchange_identification: Connection closed by remote host
\033]0;root@ubuntu: ^\007root@ubuntu: # vi .ssh/033[K033[K033[K033[K ~/.ssh/coph033[K
/root/.ssh/config
\033[?1049h\033[?1h\033=033[1;43r\033[?12;25h\033[?121\033[?25h\033[27m\033[m\033[H\033[2J
\033[?251\033[43;1H"/.ssh/config" 12L, 368C\033[?c\033[1;1H\033[32mhost\033[m \033[35m*
\033[m
  \033[33mUser\033[m josh
  \033[33mForwardAgent\033[m \033[36myes\033[m
  \033[33mIdentityFile\033[m ~/.ssh/id_rsa

\033[32mHost\033[m sign\033[31m1\033[m \033[31msign1.internal.srs.net.nz\033[m
  \033[33mUser\033[m josh
  \033[33mProxyCommand\033[m ssh -i ~/.ssh/id_rsa josh@033[31msrspl0g1.internal.srs.ne
t.nz\033[m netcat -q \033[31m600\033[m \033[36m%h\033[m \033[36m%p\033[m

\033[32mHost\033[m sign\033[31m2\033[m \033[31msign2.internal.srs.net.nz\033[m
  \033[33mUser\033[m josh
  \033[33mProxyCommand\033[m ssh -i ~/.ssh/id_rsa josh@033[31msrspl0g1.internal.srs.ne
t.nz\033[m netcat -q \033[31m600\033[m \033[36m%h\033[m \033[36m%p\033[m
\033[1m\033[34m~
  \033[14;1H~
  \033[15;1H~
  \033[16;1H~

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02/16/15  
14:49:40

thohhaiphoox  
script-20150216-1.log

2

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\033[17;1H~
\033[18;1H~
\033[19;1H~
\033[20;1H~
\033[21;1H~
\033[22;1H~
\033[23;1H~
\033[24;1H~
\033[25;1H~
\033[26;1H~
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\033[28;1H~
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\033[30;1H~
\033[31;1H~
\033[32;1H~
\033[33;1H~
\033[34;1H~
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\033[36;1H~
\033[37;1H~
\033[38;1H~
\033[39;1H~
\033[40;1H~
\033[41;1H~
\033[42;1H~
\033[m\033[43;109H1,1\033[11CA11\033[1;1H\033[?121\033[?25h\033P+q436f\033\033P+q6b75\033\
\033P+q6b64\033\033P+q6b72\033\033P+q6b6c\033\033P+q2332\033\033P+q2334\033\033P+q2569
\033\033P+q2a37\033\033P+q6b31\033\033[?251\033[43;109H2\033[2;1H\033[?121\033[?25h\033[
?251\033[43;109H3\033[3;1H\033[?121\033[?25h\033[?251\033[43;109H4\033[4;1H\033[?121\033[?2
5h\033[?251\033[43;11H2\033[4;2H\033[?121\033[?25h\033[?251\033[43;11H3\033[4;3H\033[?121
\033[?25h\033[?251\033[43;11H4\033[4;4H\033[?121\033[?25h\033[?251\033[43;11H5\033[4;5H
\033[?121\033[?25h\033[?251\033[43;11H6\033[4;6H\033[?121\033[?25h\033[?251\033[43;11H7
\033[4;7H\033[?121\033[?25h\033[?251\033[43;11H8\033[4;8H\033[?121\033[?25h\033[?251\033[4
3;11H9\033[4;9H\033[?121\033[?25h\033[?251\033[43;11H10\033[4;10H\033[?121\033[?25h\033[?
251\033[43;11H11\033[4;11H\033[?121\033[?25h\033[?251\033[43;11H2\033[4;12H\033[?121\033[?
25h\033[?251\033[43;11H3\033[4;13H\033[?121\033[?25h\033[?251\033[43;11H4\033[4;14H\033[?
121\033[?25h\033[?251\033[43;11H5\033[4;15H\033[?121\033[?25h\033[?251\033[43;11H6\033[4;
16H\033[?121\033[?25h\033[?251\033[43;11H7\033[4;17H\033[?121\033[?25h\033[?251\033[43;11
H8\033[4;18H\033[?121\033[?25h\033[?251\033[43;11H9\033[4;19H\033[?121\033[?25h\033[?251
\033[43;11H20\033[4;20H\033[?121\033[?25h\033[?251\033[43;11H19\033[4;19H\033[?121\033[?2
5h\033[?251\033[43;11H8\033[4;18H\033[?121\033[?25h\033[?251\033[4;42r\033[42;1H
\033[1;43r\033[42;1H\033[1m\033[34m~
\033[m\033[43;109H4,0-1\033[9CA11\033[4;1H\033[?121\033[?25h\033[?251\033[43;109H5,1 \033[5;1H
\033[?121\033[?25h\033[?251\033[43;109H6\033[6;1H\033[?121\033[?25h\033[?251\033[43;109H7
\033[7;1H\033[?121\033[?25h\033[?251\033[43;11H2\033[7;2H\033[?121\033[?25h\033[?251\033[4
3;11H3\033[7;3H\033[?121\033[?25h\033[?251\033[43;11H4\033[7;4H\033[?121\033[?25h\033[?25
1\033[43;11H5\033[7;5H\033[?121\033[?25h\033[?251\033[43;11H6\033[7;6H\033[?121\033[?25h
\033[?251\033[43;11H7\033[7;7H\033[?121\033[?25h\033[?251\033[43;11H8\033[7;8H\033[?121
\033[?25h\033[?251\033[43;11H9\033[7;9H\033[?121\033[?25h\033[?251\033[43;11H10\033[7;10H
\033[?121\033[?25h\033[?251\033[43;11H1\033[7;11H\033[?121\033[?25h\033[?251\033[43;11H2

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\033[7;12H\033[?121\033[?225h\033[?251\033[43;112H3\033[?121\033[?225h\033[?251\033[
[43;112H4\033[?14H\033[?121\033[?225h\033[?251\033[43;112H5\033[?15H\033[?121\033[?225h\033
[?251\033[43;112H6\033[?16H\033[?121\033[?225h\033[?251\033[43;112H7\033[?17H\033[?121\033
[?225h\033[?251\033[43;112H8\033[?18H\033[?121\033[?225h\033[?251\033[43;112H9\033[?19H\033
[?121\033[?225h\033[?251\033[43;1112H0\033[?17;20H\033[?121\033[?225h\033[?251\033[43;112H1\033
[?17;21H\033[?121\033[?225h\033[?251\033[43;112H2\033[?17;22H\033[?121\033[?225h\033[?251\033[43;
112H3\033[?17;23H\033[?121\033[?225h\033[?251\033[43;112H2\033[?17;22H\033[?121\033[?225h\033[?25
li ~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600
\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;93H\033[K\033[?7;22H\033[?121\033[?225h\033[?2
51 ~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600
\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;92H\033[K\033[?7;22H\033[?121\033[?225h\033[?2
51~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033
[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;91H\033[K\033[?7;22H\033[?121\033[?225h\033[?251/s
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\033[36m\h\033[m \033[36m\p\033[m\033[?7;90H\033[K\033[?7;22H\033[?121\033[?225h\033[?251sa_ke
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6m\h\033[m \033[36m\p\033[m\033[?7;89H\033[K\033[?7;22H\033[?121\033[?225h\033[?251a_key/id_rs
a josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h
\033[m \033[36m\p\033[m\033[?7;88H\033[K\033[?7;22H\033[?121\033[?225h\033[?251_key/id_rsa jos
h@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m
\033[36m\p\033[m\033[?7;87H\033[K\033[?7;22H\033[?121\033[?225h\033[?251key/id_rsa josh@033[3
1msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m
p\033[m\033[?7;86H\033[K\033[?7;22H\033[?121\033[?225h\033[?251ey/id_rsa josh@033[31msrsslgl
.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m
\033[?7;85H\033[K\033[?7;22H\033[?121\033[?225h\033[?251y/id_rsa josh@033[31msrsslgl.interna
l.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;84H
\033[K\033[?7;22H\033[?121\033[?225h\033[?251/id_rsa josh@033[31msrsslgl.internal.srs.net.n
z\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;83H\033[K\033[?
7;22H\033[?121\033[?225h\033[?251id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netca
t -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;82H\033[K\033[?7;22H\033[?121
\033[?225h\033[?251d_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m6
00\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;81H\033[K\033[?7;22H\033[?121\033[?225h\033[
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6m\h\033[m \033[36m\p\033[m\033[?7;80H\033[K\033[?7;22H\033[?121\033[?225h\033[?251rsa josh@
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\033[36m\p\033[m\033[?7;79H\033[K\033[?7;22H\033[?121\033[?225h\033[?251sa josh@033[31msrsslgl
.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?
7;78H\033[K\033[?7;22H\033[?121\033[?225h\033[?251a josh@033[31msrsslgl.internal.srs.n
et.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;77H\033[K
\033[?7;22H\033[?121\033[?225h\033[?251 josh@033[31msrsslgl.internal.srs.net.nz\033[m netca
t -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;76H\033[K\033[?7;22H\033[?121
\033[?225h\033[?251josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033
[m \033[36m\h\033[m \033[36m\p\033[m\033[?7;75H\033[K\033[?7;22H\033[?121\033[?225h\033[?251
\033[43;109H8,-0-1\033[8;1H\033[?121\033[?225h\033[?251\033[43;109H9,22 \033[9;22H\033[?121
\033[?225h\033[?251\033[43;109H10,13\033[10;13H\033[?121\033[?225h\033[?251\033[43;110H1,22
\033[11;22H\033[?121\033[?225h\033[?251i ~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.
net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;93H\033[K
\033[?11;22H\033[?121\033[?225h\033[?251 ~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.n
et.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;92H\033[K
\033[?11;22H\033[?121\033[?225h\033[?251~/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.ne
t.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;91H\033[K
\033[?11;22H\033[?121\033[?225h\033[?251/sa_key/id_rsa josh@033[31msrsslgl.internal.srs.net
.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;89H\033[K\033
[?11;22H\033[?121\033[?225h\033[?251a_key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz
\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;88H\033[K\033[?1
1;22H\033[?121\033[?225h\033[?251_key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m
netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;87H\033[K\033[?11;22H
\033[?121\033[?225h\033[?251key/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netca
t -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;86H\033[K\033[?11;22H\033[?2
1\033[?225h\033[?251ey/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q
\033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;85H\033[K\033[?11;22H\033[?121
\033[?225h\033[?251y/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[3
1m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;84H\033[K\033[?11;22H\033[?121\033[?225h
\033[?251/id_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[

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m \033[36m\h\033[m \033[36m\p\033[m\033[?11;83H\033[K\033[?11;22H\033[?121\033[?225h\033[?251i
d_rsa josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\
h\033[m \033[36m\p\033[m\033[?11;82H\033[K\033[?11;22H\033[?121\033[?225h\033[?251d_rsa josh@
\033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m
\033[36m\p\033[m\033[?11;81H\033[K\033[?121\033[?225h\033[?251_rsa josh@033[31msr
sslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p
\033[m\033[?11;80H\033[K\033[?11;22H\033[?121\033[?225h\033[?251rsa josh@033[31msrsslgl.inte
rnal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;
79H\033[K\033[?11;22H\033[?121\033[?225h\033[?251sa josh@033[31msrsslgl.internal.srs.net.nz
\033[m netcat -q \033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;78H\033[K\033[?1
1;22H\033[?121\033[?225h\033[?251a josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q
\033[31m600\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;77H\033[K\033[?11;22H\033[?121
\033[?225h\033[?251 josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600
\033[m \033[36m\h\033[m \033[36m\p\033[m\033[?11;76H\033[K\033[?11;22H\033[?121\033[?225h\033[
?251josh@033[31msrsslgl.internal.srs.net.nz\033[m netcat -q \033[31m600\033[m \033[36m\h
\033[m \033[36m\p\033[m\033[?11;75H\033[K\033[?11;22H\033[?121\033[?225h\007\033[?251\033[43;1
09H\033[K\033[?11;1H: \033[?121\033[?225h\033[?251\033[?121\033[?225h\033[?251\033[?121\033[?
251".ssh/config" 11L, 297C written
\033[?11\033[\033[?121\033[?225h\033[?10491\033[0;root@ubuntu: ~# vi /root/
\033[?11\033[\033[?121\033[?225h\033[?10491\033[0;root@ubuntu: ~# vi /root/
\033[?11\033[\033[?121\033[?225h\033[?10491\033[0;root@ubuntu: ~# vi /root/
sh josh@signl.internal.srs.net.nz
Enter passphrase for key '/root/.ssh/id_rsa':
The authenticity of host 'signl.internal.srs.net.nz (<no hostip for proxy command>)' can't
be established.
RSA key fingerprint is b2:29:9f:b3:b9:b9:88:5b:4e:80:d6:c3:64:ff:ff:9b.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'signl.internal.srs.net.nz' (RSA) to the list of known hosts.
Enter passphrase for key '/root/.ssh/id_rsa':
Last login: Sun Feb 15 22:01:47 2015 from srsslgl.srsp.srs.net.nz
[/home/josh]
josh@signl: ~$ ssh -C -o StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null -o LogLevel=quiet -o
[sudo] password for josh:
[/home/josh]
root@signl: cd /var/lib/ssh/keygen
[/var/lib/ssh/keygen]
root@signl: scadiag -f mca0
4fd8-91b8-f9e8-56a2-bc42-ad7d-321c-9846-f47f-2936
[/var/lib/ssh/keygen]
root@signl: ~$ ssh -C -o StrictHostKeyChecking=no -o UserKnownHostsFile=/dev/null -o LogLevel=quiet -o
bash: scamtg: command not found
[/var/lib/ssh/keygen]
root@signl: scamtg033[?1P\033[?1er
Warning: Serial ID and Public Key Not Found
-----
The Serial ID and public key presented by this board were
not found in your trust database.

Serial ID: 36:30:30:31:32:31
Key Fingerprint: 4fd8-91b8-f9e8-56a2-bc42-ad7d-321c-9846-f47f-2936
-----
Please select an action:

1. Abort this connection
2. Trust the board for this session only.
3. Trust the board for all future sessions.

Your Choice --> 3
Security Officer Login: nz-dso5
Security Officer Password:
Warning: Computed and received HMACs differ.

Connection reset: Firmware auto-logout occurred.

Error receiving reply.
Connection closed.
```

```

[/var/lib/dnssec/keygen]
root@sign1: scamgr -D
Security Officer Login: nz-dso5
Security Officer Password:
scamgr{mca0@localhost, nz-dso5}> delete so nz-dso1
Delete security officer nz-dso1? (Y/Yes/N/No) [No]: y
Security Officer nz-dso1 deleted.

scamgr{mca0@localhost, nz-dso5}> delete so nz-dso2
Delete security officer nz-dso2? (Y/Yes/N/No) [No]: y
Security Officer nz-dso2 deleted.

scamgr{mca0@localhost, nz-dso5}> delete so nz-dso3
Delete security officer nz-dso3? (Y/Yes/N/No) [No]: y
Security Officer nz-dso3 deleted.

scamgr{mca0@localhost, nz-dso5}> create so nz-dso1
Enter new security officer password:
Confirm password:
Passwords do not match

Enter new security officer password:
Confirm password:
Security Officer nz-dso1 created successfully.

scamgr{mca0@localhost, nz-dso5}> create so dz-dso2
Enter new security officer password:
Confirm password:
Security Officer nz-dso2 created successfully.

scamgr{mca0@localhost, nz-dso5}> create so nz-dso4
Enter new security officer password:
Confirm password:
Failed creating new Security Officer nz-dso4: Duplicate entry in keystore

scamgr{mca0@localhost, nz-dso5}> delete so nz-dso4
Delete security officer nz-dso4? (Y/Yes/N/No) [No]: Y
Security Officer nz-dso4 deleted.

scamgr{mca0@localhost, nz-dso5}> create so nz-dso4
Enter new security officer password:
Confirm password:
Passwords do not match

Enter new security officer password:
Confirm password:
Security Officer nz-dso4 created successfully.

scamgr{mca0@localhost, nz-dso5}> quit
[/var/lib/dnssec/keygen]
root@sign1: scamgr -D
Security Officer Login: nz-dso4
Security Officer Password:
scamgr{mca0@localhost, nz-dso4}> delete so nz-dso5
Delete security officer nz-dso5? (Y/Yes/N/No) [No]: Y
Security Officer nz-dso5 deleted.

scamgr{mca0@localhost, nz-dso4}> create so nz-dso5
Enter new security officer password:
Confirm password:
Security Officer nz-dso5 created successfully.

scamgr{mca0@localhost, nz-dso4}> show so
Security Officer      Multi-Admin Role
-----
nz-dso5              Disabled

```

```

nz-dso4              Disabled
nz-dso2              Disabled
nz-dso1              Disabled
-----
scamgr{mca0@localhost, nz-dso4}> quit
[/var/lib/dnssec/keygen]
root@sign1: scamgr -k nz-dnssec-keystore
Keystore = nz-dnssec-keystore.600121.{fla7987a} (local)
Security Officer Login: nz-ks01
Security Officer Password:
scamgr{mca0@localhost, nz-ks01}> disable multiadmin
WARNING: Issuing this command will take the board
         out of multi-admin mode and return it to the
         single-administrator mode of authentication.

Proceed with change? (Y/Yes/N/No) [No]: y
NOTICE: Please wait while the other required 1 security officer
        authenticates this command. This command will time out
        in 5 minutes.

Update: Authenticated security officers: nz-ks01
Update: Authenticated security officers: nz-ks01 nz-kso2
Multi-admin mode disabled.

scamgr{mca0@localhost, nz-ks01}> delete so nz-kso3
Delete security officer nz-kso3? (Y/Yes/N/No) [No]: y
Security Officer nz-kso3 deleted.

scamgr{mca0@localhost, nz-ks01}> delete so nz-kso5
Delete security officer nz-kso5? (Y/Yes/N/No) [No]: y
Security Officer nz-kso5 deleted.

scamgr{mca0@localhost, nz-ks01}> create so nz-kso3
Enter new security officer password:
Confirm password:
Security Officer nz-kso3 created successfully.

scamgr{mca0@localhost, nz-ks01}> create so nz-kso5
Enter new security officer password:
Confirm password:
Security Officer nz-kso5 created successfully.

scamgr{mca0@localhost, nz-ks01}> show so
Security Officer      Multi-Admin Role
-----
nz-kso5              Disabled
nz-kso3              Disabled
nz-kso-ops           Disabled
nz-ks01              Enabled
nz-kso2              Enabled
nz-kso4              Enabled
-----
scamgr{mca0@localhost, nz-ks01}> enable authmember nz-kso3
Added multi-admin role to Security Officer nz-kso3.

scamgr{mca0@localhost, nz-ks01}> enable authmember nz-kso5
Added multi-admin role to Security Officer nz-kso5.

scamgr{mca0@localhost, nz-ks01}> show so
Security Officer      Multi-Admin Role
-----
nz-kso5              Enabled
nz-kso3              Enabled
nz-kso-ops           Disabled

```





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Created ZSK size: 1024, alg: 8 with id: 30b06c54002a0a400fd9c31732d058d8 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: ef36359f7fab77d244c70b226065cb4d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 7c1615687c9a148f1e56d8ab65bac65a in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 1c4afe274e8dbf16ebdb8b9b6050e977 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 1dd9c8909b1888a41c126bd3a3f81208 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 189edf6831abce87355397e5768f2e8e in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 4a04e6567999bd9937dcc9a6ed1257ad in repository: sca 6000 and database.  
all done! hsm\_close result: 0  
INFO: Generating keys for policy nz-SLD  
SQLite database set to: /var/opendnssec/kasp.db  
Key sharing is Off  
Info: converting P14M to seconds; M interpreted as 31 days, Y interpreted as 365 days  
HSM opened successfully.  
Created KSK size: 2048, alg: 8 with id: fe6d9d4e7d5464ac8cf3d9250743c1bb in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 78722a9af19f31f9d7c7df31ebd77684 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 1c9e74476123dce861e4ab9bb972cae4 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 6f579a3f0daa56267d3076c8137dfaa8 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: d9e939b1fce9ef949761fe7243d0bc42 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 40d65682ae9acf934845c41011550950 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 08d63d8354edf5a4d18bd989a37fc6bc in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 18566696ff4038592853003dcc84c626 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 44f45c4e9ea6079ce15d77dd728a0072 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 2385dce4da3b2c04439621d8e036de95 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 328fc077c6acad473a1829beb5477113 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 0365f5d899751be730f10c9b139cc449 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: cedd9b1099586158e215b5242d8542bd in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 050249a5a00103f6ec443eb7554f34d8 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: b34bbce955eccc866804cd0c018e9cc5 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5353a74c309b90378b3575b8442d966f in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 121ad0efa24c82c8937403b8b1ddd4c0 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 41c6197b8c131e7101e3fe97558abb9f in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: ffd0e27cb8dcfbb464a44e955102c2bd in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: af7c1289af68396674a6d3492a10521a in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: eb4d71038c0695370a3f7181b4cfcb6a in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 0d7ef56dcb073c131d2c49b950680f62 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: a6b10da49aaa3283331f40f9458d49cb in repository: sca 6000 and database.

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Created ZSK size: 1024, alg: 8 with id: 99654482c9bdfafbe2c458eae07c4309 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 02385a05471d215e8f00db8a4420ala2 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 23ebe54cdeb4c6772ea3097604c22956 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: a5f605bb253d8fbc2e86522658e7c451 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 88125a3a54fde3f6b8650701fb6f360c in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: a40afb777e9636b571ea143e92ca2e40 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 63e6f197460be627b262eb3a366c41cb in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: cbf1058a8cbacc8095a7ffd0694a6e23 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: bede84febe50a93c30129e6e6a45fcff in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: dc8f616f8d06c42f20ce86bd47c087ce in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 50a06f168fe9aaea5f5afdc874ff7a7 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 96bb72c8c54bee4439b938bd8bb83439 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3edab4b01d561e4b6061753e23e6b747 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: ad941a96c95dd58d981fcfcf3a6e9f3a in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: f5e0bed3709a283423881798119944ff in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3f572e60328f34b01938b12e6e87f9bf in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 44045e499f14298feae7c9f6add2ed10 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 9c8eeb31d6dd7f8273be272345609b44 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 65482b206f933b988d1alc790ac61b95 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 9f463ec1feb8b23a61a48f689c935d57 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: e177edb71fc322eabe30030802f4f398 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5e9c78ce7b58907d05d7d213313dd243 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 641a9da27264cba8f27ed6e8d1fac9fe in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 2bb6f13c66f327ea07ffc4875b91bcd9 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: ae20b4b154d16df5a5e49005858ce15b in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 6b8eb0e75530a9069c44dc941037614b in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 9ed6f2962905450662e3dcbb2854f09b in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: a132834d0548deec16bcd61blf937907 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 661c969d88e032cb235c01ffe7a2cf7d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 022898a83840acc452d25355ad731a41 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5b6fff7e449156bfb14431cf9d76f2ab6 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 8b281db036feb5f18c85b215727ab00d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: ab669290d3356924a6f95e694af13d4a in repository: sca 6000 and database.

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Created ZSK size: 1024, alg: 8 with id: bf48af0eab5bde323ebb4567723769da in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3cb862004965b370a1a88ecaca67298e in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: bb76fc86924000e14d62e7dfdd6a057b in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 86de839f7f460e01df78d20ede72dc43 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 0a909afcd8ad6dc7e9265f61431044c3 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 80cb2ddbb07a2d988f6ed4a4c2ae3b05 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 91bd633e4a0cba04dae04ca80b4aee95 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 8bfc294c2500d0b43a06931b1e3fdb77 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3b6c94bbf0c5f22fc64eb488744264cd in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 12b4f93e443b6d8bca3ad6dcedabd97e in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 95be467e46c4fcdc2e7142239c717a7c in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 1612be7254c78109a4fcc3eb305009a1 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 6152de5214c2399264651fb4e9226d08 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: d722b7dca147bb4dd4fe4ce353572b31 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 1b86d8fcb5deed89621b91477fe1e426 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: c55632e4444e19855921e697f105d0fb in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: f836064971473a09cc074752ecc8b1dc in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5761a7cf8af4c51317902e690a2blaaa in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 352a7be25697fbaf52befd52a58c2cb0 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: e862942ad5d2ffe2f0d0d42616ced00d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: bb302b1bfed23b391b9346d64cc70b5f in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3a60ad3a98bbeac0673537da2de54c79 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 0f92bd912e464225e65b38efc074cd8d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 721bcb67de00eddb618de2c50ebc5f53 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 7c7e59e69cd5d5464be7474b4fd43a28 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3d9e424afb5b502576ecc160f48f1ad6 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: fe481ba1be3f0920c3637d0562b66a4f in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 75663ab860cb15952b51f2b560fb9241 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 2e0f4061501639885cdf30b3e9183131 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: c8f4d924e34b4b358c6c6eedd167b7ef in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: f9044ab9441548ac2296394ea2bf5a40 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 026ad10db34f9160d6568fb3088019ef in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 9e922e3d2cae254ecb6dce4c2ede9c5a in repository: sca 6000 and database.

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Created ZSK size: 1024, alg: 8 with id: 35a34fc6d3a92454a788d2d4ec98df0f in repository: sca 6000 and database.  
all done! hsm\_close result: 0  
INFO: Generating keys for policy nz-SRS  
SQLite database set to: /var/opendssec/kasp.db  
Key sharing is Off  
Info: converting P14M to seconds; M interpreted as 31 days, Y interpreted as 365 days  
HSM opened successfully.  
Created KSK size: 2048, alg: 8 with id: dac21ae7216e9b0eae86815ca55f1d4 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 9c53733d18a1652853251ac7f2573483 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 4c4e6bb1daabaac83ebaf4c1bce1907e in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 0892f4057f9d231fd043884b8a3f2bb9 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 57fd7fa6c06b48d15d5a225adbcf9693 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 3938c97b80d5a52b96e0ffc78c60ca6e in repository: sca 6000 and database.  
all done! hsm\_close result: 0  
INFO: Generating keys for policy nz-TLD  
SQLite database set to: /var/opendssec/kasp.db  
Key sharing is Off  
Info: converting P14M to seconds; M interpreted as 31 days, Y interpreted as 365 days  
HSM opened successfully.  
Created KSK size: 2048, alg: 8 with id: 580e7215d8ba5e033ae43e719ffe6dfa in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 652f47aab82ef892cbe022a136b8ad48 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5a10dceba2ff126ad0da7211e48d23af in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 1ffc5b5f4fb6f6e389457cc83cf81697 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: c89f67721f5c1efb810feac9941f4f32 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 53bb79e6f22b8f765ddcafc8d8f3a7d1 in repository: sca 6000 and database.  
all done! hsm\_close result: 0  
INFO: Generating keys for policy nz-dummy  
SQLite database set to: /var/opendssec/kasp.db  
Key sharing is Off  
Info: converting P14M to seconds; M interpreted as 31 days, Y interpreted as 365 days  
HSM opened successfully.  
Created KSK size: 2048, alg: 8 with id: 6d698799904e43c97b95aa3ca0dfaa51 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 1152c946623998c8404d60de170d87ba in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: feb476e2a2afbc214d30de81bcaeead6 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: ff6ed3649c3a85257993b1574bf6656b in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: c0e9026c3d9f47bfe2e9af916de8c704 in repository: sca 6000 and database.  
Created KSK size: 2048, alg: 8 with id: 96e36878d00cec7bb85496171b23e59d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 148216ef8e4cab9f6a348f703595842d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 94b0edba9f3d1b3a4c8177388fc4cad1 in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 4395b5ebde4ec7bd0bbfc10d033e630e in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 5b2821f3b028e95f7d536bc9c3b9b39d in repository: sca 6000 and database.  
Created ZSK size: 1024, alg: 8 with id: 4a15ab15ee20da511378ee3c3508deee in repository: sca 6000 and database.

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```
Created ZSK size: 1024, alg: 8 with id: b0675f38115519e63c601c1c9851alc6 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: b8bd88a1f78807836c1fdecc85001af1 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: cb6ee090a7416b295c272b54d11fd09b in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 6e68e960ea08393f5013b6201553c1c1 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: bf18d29598d1ddf33da5b0dfaa796951 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 67e0fe451a1968e5625ef0123b410fee in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 69548eaf470d6290494a527581cf84c4 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: db37cbc363e7045b60d57a35f2b15d67 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: edac2a57304f494d92e4ceb6384fe4a1 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 3c46c9579de5a1391affb151ccc2aada in repository: sca
6000 and database.
all done! hsm_close result: 0
INFO: Generating keys for policy nz-reverse
SQLite database set to: /var/opendnssec/kasp.db
Key sharing is On
Info: converting P14M to seconds; M interpreted as 31 days, Y interpreted as 365 days
HSM opened successfully.
Created KSK size: 2048, alg: 8 with id: ab6b72435b615b9ed040960e5539d701 in repository: sca
6000 and database.
Created KSK size: 2048, alg: 8 with id: e843a3437db5439b9ad7799cb3bb5b28 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 18668286515af45f53257b463e491dbd in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: 7b02d4a951c1e7e687e8369da58e2750 in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: cf69409f41580f2c7c77dc47c11d73fb in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: d3aa63e03be78e2545afdf4a4e206c3a in repository: sca
6000 and database.
Created ZSK size: 1024, alg: 8 with id: ba2a23375b79652140d5cc9dc9c3f522 in repository: sca
6000 and database.
all done! hsm_close result: 0
INFO: Sanity verification OK
[/var/lib/dnssec/keygen]
root@sign1: ~#dd[4Bodpehemsatc ddstkeyg6n00h|head -5
Listing keys in repository: sca6000
230 keys found.
```

Repository	ID	Type
-----	--	----
sca6000	5e8a6f9da462b82298088b833807fe37	RSA/2048
sca6000	a5ff380ed3a1da14e01446c12f36d6a7	RSA/2048
sca6000	7cd5390b10997cedc096deb6f09c60ec	RSA/2048
sca6000	99bb4e22f67db09bd4d4023f23f89a3b	RSA/2048
sca6000	c9aa6e3b333e773edc06ac09054e6f86	RSA/2048

```
[/var/lib/dnssec/keygen]
root@sign1: export-keydataanz-dnssec-keystore
Backups will be written to /var/lib/dnssec/keygen/key-backup-2015-02-16.tar.gz
Exporting KASP database...
SQLite database set to: /var/opendnssec/kasp.db
```

Backing up keystore nz-dnssec-keystore...

You will be prompted for Keystore Security Officer(KSO) credentials. After entering them, the backup will pause while other Keystore Security Officers authorize the backup operation.

02/16/15  
14:49:40

thohhaiphoox  
script-20150216-1.log

16

Press enter to continue.

```
Keystore = nz-dnssec-keystore.600121.{fla7987a} (local)
Security Officer Login: nz-ksol
Security Officer Password:
NOTICE: Please wait while the other required 1 security officer
authenticates this command. This command will time out
in 5 minutes.
```

```
Update: Authenticated security officers: nz-ksol
Update: Authenticated security officers: nz-ksol nz-kso5
Backup to /tmp/tmp.vg0Wew7801/nz-dnssec-keystore-full-keystore-backup-2015-02-16 successful
.
```

Done backing up keystore nz-dnssec-keystore. The sha256sum of this full keystore backup is 7a:81:ac:45:aa:cf:c6:d2:c3:07:51:b2:eb:1e:09:b2:1a:3f:c7:5b:2e:9a:cf:eb:e5:5a:2c:19:0b:d5:2e:13

Backing up HSM Device Configuration...
You will be prompted for Device Security Officer(DSO) credentials and a Password to encrypt to the device backup.

Press enter to continue.

```
Security Officer Login: nz-dso5
Security Officer Password:
Enter a password to protect the data:
Passwords must have at least 3 alphabetic and 1 nonalphabetic characters.
```

```
Enter a password to protect the data:
Confirm password:
Backup to /tmp/tmp.vg0Wew7801/device-backup-2015-02-16 successful.
```

Done backing up HSM device. The sha256sum of this device backup is 37:70:5e:4c:ff:b6:19:63:03:72:67:f7:56:49:11:77:3f:e3:95:c2:9d:a2:c3:32:35:5b:d1:8e:75:87:22:09

```
Exported keystore Info:
Keystore : nz-dnssec-keystore
Serial # : 600121
Keystore ID : fla7987a
```

```
All backups have been exported to /var/lib/dnssec/keygen/key-backup-2015-02-16.tar.gz
Hash of key-backup-2015-02-16.tar.gz has been written to key-backup-2015-02-16.tar.gz.sha256sum (sha256sum: 72:e3:a4:6f:be:6e:f9:d7:f1:fb:d3:95:12:20:61:b9:32:6e:97:f9:23:71:4b:30:a4:b4:7f:eb:51:20:03:e4 )
[/var/lib/dnssec/keygen]
root@sign1: exit
exit
```

```
[/home/josh]
josh@sign1: exit
logout
Connection to sign1.internal.srs.net.nz closed.
\033]0;root@ubuntu: ~\007root@ubuntu:~# lsub -v -d 13fe:4200 | grep -\033[K\033[K -C 1 iProd
uct
  iManufacturer          1
  \033[01;31m\033[KiProduct\033[m\033[K          2 USB DISK 2.0
  iSerial                3 070B516E2B29CC98
\033[36m\033[K--\033[m\033[K
  iManufacturer          1
  \033[01;31m\033[KiProduct\033[m\033[K          2 USB DISK 2.0
  iSerial                3 070B516E3BB4CE31
\033]0;root@ubuntu: ~\007root@ubuntu:~# scp josh@sign1.internal.srs.net.nz:/var/lib/dnssec/
key\033[Kygen/key-backup-* /meda\00\033[Kia/MASTER_BACK/
Enter passphrase for key '/root/.ssh/id_rsa':
Enter passphrase for key '/root/.ssh/id_rsa':
key-backup-2013-12-05.tar.gz
key\033[backUp-2010-02B05.tar.gz- ETA
```



