

[23;1H~
[25;1H~
[27;1H~
[29;1H~
[31;1H~
[33;1H~
[35;1H~
[37;1H~
[39;1H~
[24;1H~
[26;1H~
[28;1H~
[30;1H~
[32;1H~
[34;1H~
[36;1H~
[38;1H~
[40;1H~

```
[m[41;44H1,0-1[9CAII[1;1H[?12I[?  
25hP+q436fP+q6b75P+q6b64P+q6b72P+q6b6cP+q2332P+q2334P+q2569P+q2a37P+q6  
b31\?[?25I[41;44H2,1 [2;1H[?12I[?25h[?25I[41;44H3[4;1H[?12I[?25h[?25I[41;44H4[5;1H[?12I[?  
25h[?25I[41;46H2[5;2H[?12I[?25h[?25I[41;46H3[5;3H[?12I[?25h[?25I[41;46H4[5;4H[?12I[?25h[?  
25I[41;46H5[5;5H[?12I[?25h[?25I[41;46H6[5;6H[?12I[?25h[?25I[41;46H7[5;7H[?12I[?25h[?  
25I[41;46H8[5;8H[?12I[?25h[?25I[41;46H9[5;9H[?12I[?25h[?25I[41;46H10[5;10H[?12I[?25h[?  
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25h[?25I[41;47H2[5;22H[?12I[?25h[?25I[41;47H1[5;21H[?12I[?25h[?25I[41;47H0[5;20H[?12I[?  
25h[?25I[41;47H1[5;21H[?12I[?25h[?25I[41;47H2[5;22H[?12I[?25h[?25I[41;1H[1m-- INSERT --  
[m[41;13H[K[41;44H4,22[10CAII[5;22H[?12I[?25h[?25I [31mfsrsplug1.internal.srs.net.nz[m  
netcat -q [6;1H[31m600[m [36m%h[m [36m%p[m[41;47H3[5;23H[?12I[?25h[?  
25I[31mfasrsplug1.internal.srs.net.nz[m netcat -qq[6;1H [31m600[m [36m%h[m  
[36m%p[m[41;47H4[5;24H[?12I[?25h[?25I[31malsrsplug1.internal.srs.net.nz[m netcat --[6;1Hq  
[31m600[m [36m%h[m [36m%p[m[41;47H5[5;25H[?12I[?25h[?  
25I[31mlcsrsplug1.internal.srs.net.nz[m netcat [6;1H-q [31m600[m [36m%h[m  
[36m%p[m[41;47H6[5;26H[?12I[?25h[?25I[31mcosrsplug1.internal.srs.net.nz[m netcatt[6;1H -q  
[31m600[m [36m%h[m [36m%p[m[41;47H7[5;27H[?12I[?25h[?  
25I[31morsrsplug1.internal.srs.net.nz[m netcaa[6;1Ht -q [31m600[m [36m%h[m  
[36m%p[m[41;47H8[5;28H[?12I[?25h[?25I[31mrisrsplug1.internal.srs.net.nz[m netcc[6;1Hat -q  
[31m600[m [36m%h[m [36m%p[m[41;47H9[5;29H[?12I[?25h[?  
25I[31mssrsplug1.internal.srs.net.nz[m net[6;1Hcat -q [31m600[m [36m%h[m  
[36m%p[m[41;46H30[5;30H[?12I[?25h[?25I[5;22Hfalcors@[31msrsplug1.internal.srs.net.nz[m  
nee[6;1Htcat -q [31m600[m [36m%h[m [36m%p[m[41;47H1[5;31H[?12I[?25h[41;1H[K[5;30H[?  
25I[41;44H4,30[10CAII[5;30H[?12I[?25h[?25I[41;44H[K[41;1H:[?12I[?25hw[?25I[?12I[?25hq[?  
25I[?12I[?25h  
[?25I"/root/.ssh/config" 6L, 163C written
```

```
[?1]>[?12I[?25h[?1049I]0;root@ubuntu: /media/KEYGEN_LOGroot@ubuntu:/media/  
KEYGEN_LOG# vim /root/.ssh/config ssh admin@sign2.internal.srs.ne  
et.nz  
Enter passphrase for key '/root/.ssh/id_rsa':
```

The authenticity of host 'sign2.internal.srs.net.nz (<no hostip for proxy command>)' can't be established.

RSA key fingerprint is ed:73:ee:03:6c:4c:c0:26:3a:e8:f4:cc:60:26:a1:81.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'sign2.internal.srs.net.nz' (RSA) to the list of known hosts.

Enter passphrase for key '/root/.ssh/id_rsa':

Last login: Mon Mar 6 20:06:02 2017 from srsplug1.srsp.srs.net.nz

[/home/admin]

admin@sign2: sudo -s

[sudo] password for admin:

[/home/admin]

root@sign2: cd /var/lib/dnssec/keygen/

[/var/lib/dnssec/keygen]

root@sign2:

[10@(reverse-i-search)`': s': cd /var/lib/dnssec/keygen/[16Pc': scamgr -h

[/var/lib/dnssec/keygen]

root@sign2: sca

scad scaf_load scakiod_load sca_slot

scadiag scaf_unload scakscfg

scad_load scakiod scamgr

[/var/lib/dnssec/keygen]

root@sign2: scadiag -f mca0

4fbd-91b8-f9e8-56a2-bc42-ad7d-321c-9846-f47f-2936

[/var/lib/dnssec/keygen]

root@sign2: scamgr -D

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: 36:30:35:35:33:38

Key Fingerprint: 4fbd-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:

scamgr{mca0@localhost, nz-dso5}> delete nz-ds02 o2 so nz-dso2

Delete security officer nz-dso2? (Y/Yes/N/No) [No]: y

Security Officer nz-dso2 deleted.

scamgr{mca0@localhost, nz-dso5}> create so nz-d dso3 2

Key remove successful.
INFO: Purging keys for policy nz-SRS
SQLite database set to: /var/opendnssec/kasp.db
Cannot open destination file, will not make backup.
Key remove successful.
Key remove successful.
Key remove successful.
Key remove successful.
INFO: Purging keys for policy nz-TLD
SQLite database set to: /var/opendnssec/kasp.db
Cannot open destination file, will not make backup.
Key remove successful.
Key remove successful.
Key remove successful.
Key remove successful.
INFO: Purging keys for policy nz-dummy
SQLite database set to: /var/opendnssec/kasp.db
Cannot open destination file, will not make backup.
Key remove successful.
INFO: Purging keys for policy nz-reverse
SQLite database set to: /var/opendnssec/kasp.db

Cannot open destination file, will not make backup.

Key remove successful.

Key remove successful.

Key remove successful.

Key remove successful.

[/var/lib/dnssec/keygen]

root@sign2: sudo -u opendnssec ods-purge-keys.sh

root@sign2: [3Pods-hsmutil list sca6000 lhead -5

Listing keys in repository: sca6000

132 keys found.

Repository	ID	Type
-----	--	----
sca6000	91905d319abe09d708eff4c5b8b857d9	RSA/2048
sca6000	5c4e4fbef1e28e3a153792f2fcec3e86	RSA/2048
sca6000	60038ad8aee151fe681ec5bd52b51f41	RSA/2048
sca6000	e233fadc752579e75c0b3b47af3e58ff	RSA/2048
sca6000	be9d45c644d501cd8fbdd515e8aa8e28	RSA/2048

[/var/lib/dnssec/keygen]

root@sign2: ods-hsmutil list sca6000 lhead -5

root@sign2: sudo -u opendnssec ods-purge-keys.sh ds-keygen.sh p14 P14M

SQLite database set to: /var/opendnssec/kasp.db

INFO: Generating keys for policy nz-3LD

SQLite database set to: /var/opendnssec/kasp.db

Cannot open destination file, will not make backup.

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: 2671f5c190634a088809a049d75a541b in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 9c7866af0055372673bc0acc585b71f8 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: f73e868cc345eb44f3d3bf10fe7edf45 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: c3c434aadfc78da98ddad68a0258c407 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: cd3e451355291abf179b794bb6138c91 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 95f357a5cd45163213886c9974c609fe in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 94bf34a2f4bc859cccca0ab38e9abffc in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 7908b0dbde527b2a35e8222c7e511ec0 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 56b05de59ce4c3f8482ac74880e336dc in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 526a5eaddc28cdb952a89f19c55001e9 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 5bce586217c6b117f81751a239eb0588 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: f1eea1d580333f262cf36b6922f9c4a4 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 75201e39723171d2b1e0a949f0010b1f in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 59ad1a092188f8381950c49dab9f5acd in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 68435fc2ee778900fd6bf15c80e3e4bc in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 581386803b8abb53d1acd9c628197b53 in repository: sca6000 and database.

all done! hsm_close result: 0

INFO: Generating keys for policy nz-SLD

SQLite database set to: /var/opendsnsec/kasp.db

Cannot open destination file, will not make backup.

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: a1d5dc44a86b0b8871a1f5b2da06689a in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: b749e3da8cace30f18b921e44921c4ec in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 4e14e298cc46da408bf6ab02b66c3a65 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 435886ced89cb9e5e4af8eff3a56456a in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 606ac9b966dea960dc3952f563372ad1 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: d85554673f9a56353862193491356f7c in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 9435378527facfccdbc3572e5e81cc0e in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: a61ec049f5490e407d7a6b20ecb12322 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: da5c08187bf699a1a4fae7343e6baa06 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: e5f8e477613dad573f3310464dc7fa7e in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 1a8984b73d48977e26a69ef1da7ee885 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: f56551a084233453a33f01e24b7b4e1d in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: b4b7c54c3cc32f686111e2cc541375ba in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: ba7ebe8f1bfb5433b3223d6b18e4c787 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 97877f5acf0e9e5dccfa2c9090058340 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 810cf59c3cb6d3008c4eb1a81a178d14 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 2a646a23a3e82d588c13a54f5d9b3159 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 28b84d5965b3917af632811cad4669da in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: a8071424877b8793b66a313986d2769c in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: cfd528704037d9da92092c93efeab746 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 08d3cbc6cea4213519589f9bad29b0d8 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 6d0d3aceb45d07fcb87c050ac36351a5 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 9291859871846421bae93801d44ea136 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: bdbbc17067ae76e44e1b29face90e8bc in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 603030a959e473eb1aca7998e587f66a in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: b56a7c077d36ca39835bc14b92343841 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 496a13fa26eef2eac04a2bd43bcaa094 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: f11f266a1e422496138f4749e909ae30 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 4a430adf021b7fc3219ee1b5b0147393 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: df491ac1786b963dd25db3c5a77ca862 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: cafe3cd999e05f174f9448c9d5f2a8c2 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 028361037f65466d59bfb8e689c07f49 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 8058808bae1cacdd03141bf1b9bc4460 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: dec2916aa9b11e0af0e5aa5c790253f1 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 95affc94e9febe8deb570ea64c8b7c3d in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 3696bf23e6f515719dd1a8f79cb09f0e in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: fd72d888acaaaa84da851d12e581eb74 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: e6c4c54eaabae83dc093c10e29285449 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: aca62f92c65cba4a2e058fc5614f79da in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 7533290470f7212fbf02469ef16ac784 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 94f6bb680140c0a78537fb0b12ae37c0 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 2829ce1ac190f3aac9451deb46ae31a1 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: a86b0d65e29a1506dc6f7d9cf3a09372 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: df3cb2311aad02e6c516c0484943170 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 56094fe8110cf8f8416358945f468b11 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 6c8b2fe511370f3d4568463cddb461ad in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: ea3c21197129f3b1cb9bb4ddf6ea025c in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 1e814082eb83e7bb53a0855e85275f50 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: be444f40b35e9a58f08a070549064201 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: c182e49c9235015e64053055b4640f93 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 75502cb9785caf4e99db8aee812752f4 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 9f1cf964d61930df9022001806065d3b in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 8d1f6c95ad14d0d720a1808e1187a069 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 9783fd0d163b9bd2ff49423cf66a7e60 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: bc9bb5b50c14a65ad09dedc952011a6b in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 525b603f3c9265d580e2995cb4574d38 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: cf9259b822ea64f58ec096e1943d4cb3 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: d2cd5937f8df2ae8aac55e9f966009a2 in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 00073f78a7d02af2b9e93daf19644b9a in repository: sca6000 and database.
Created ZSK size: 1024, alg: 8 with id: 0e3b7a437fac5f34aec9a26cd46d305 in repository: sca6000 and database.
all done! hsm_close result: 0
INFO: Generating keys for policy nz-SRS
SQLite database set to: /var/opensnssec/kasp.db
Cannot open destination file, will not make backup.
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: 2acbb11c002fb785012608c70511be87 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 4987d48b6640c754400f76e29fce7a59 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 7e6104b06da3cdeb880b656819ceef78 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 1e01d70f4b31b1ce549763516dcfa0a4 in repository: sca6000 and database.

all done! hsm_close result: 0

INFO: Generating keys for policy nz-TLD

SQLite database set to: /var/opendsnsec/kasp.db

Cannot open destination file, will not make backup.

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: 7076685072f4f8afe9cb82c9683d6a7c in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 70b6c7afc10a7da4ffb731ddd3c1df18 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 41e52d4698ee7bbbe04aceacb6fac13d in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: c24165cdcfce57716a9923d5b273e175 in repository: sca6000 and database.

all done! hsm_close result: 0

INFO: Generating keys for policy nz-dummy

SQLite database set to: /var/opendsnsec/kasp.db

Cannot open destination file, will not make backup.

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: 83042deb640eca4795d52ef376d08721 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: f12553be254cc6d5f5405bd0f9bcbf29 in repository: sca6000 and database.

Created KSK size: 2048, alg: 8 with id: 9406e9f8829cc8921d3862d5aedf22ad in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: dee59d718a9398e8fb5e559d0ea8bf19 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 3f010e3ac7e55c8b109c6de2eaab2c84 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 7bda8a025db03dd4755884b984a34d59 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: b389a318db5046cabb014cd2b1d6ff8c in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 81b174d532f95496629ebcc9782eef85 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: cadda0c987780edc80edd2a3bea62115 in repository: sca6000 and database.

Created ZSK size: 1024, alg: 8 with id: 3216338a8ccea8be207d1b2d3c85ec26 in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: 7555cbd191562ac746c4949de536be7e in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: 9ffb5c57d991d2af32b5191aeaec6c2a in repository: sca6000 and database.
 all done! hsm_close result: 0
 INFO: Generating keys for policy nz-reverse
 SQLite database set to: /var/opendssec/kasp.db
 Cannot open destination file, will not make backup.
 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: 2f9d704020d77a7d0a6b174de2d2aec0 in repository: sca6000 and database.
 Created KSK size: 2048, alg: 8 with id: 6b25f47b9fcae149885735e3baff96b2 in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: 1a8884813eef384463a185fca911f457 in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: 653427cf275d2b3e25b34d43e9104ff1 in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: 9698bda368762f18db58766a1d9a7984 in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: cbf5d120d08e0cf7a1cef684a7aa208a in repository: sca6000 and database.
 Created ZSK size: 1024, alg: 8 with id: e8b39e33891443ec6aa56ebd896e3876 in repository: sca6000 and database.
 all done! hsm_close result: 0
 INFO: Sanity verification OK
 [/var/lib/dnssec/keygen]
 root@sign2: sudo -u opendssec ods-keygen.sh P14M
 root@sign2: [4Pods-hsmutil list sca6000 lhead -5
 Listing keys in repository: sca6000
 235 keys found.

Repository	ID	Type
sca6000	91905d319abe09d708eff4c5b8b857d9	RSA/2048
sca6000	5c4e4fbef1e28e3a153792f2fcec3e86	RSA/2048
sca6000	60038ad8aee151fe681ec5bd52b51f41	RSA/2048
sca6000	e233fadc752579e75c0b3b47af3e58ff	RSA/2048
sca6000	be9d45c644d501cd8fbdd515e8aa8e28	RSA/2048

[/var/lib/dnssec/keygen]
 root@sign2: export-keydata nz-dnssec-keystore
 Backups will be written to /var/lib/dnssec/keygen/key-backup-2017-03-12.tar.gz
 Exporting KASP database...
 SQLite database set to: /var/opendssec/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.

Press enter to continue.

Keystore = nz-dnssec-keystore.600121.{f1a7987a} (local)

Security Officer Login: nz-kso5

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-kso5

Update: Authenticated security officers: nz-kso5 nz-kso1

Backup to /tmp/tmp.XxtZeO6191/nz-dnssec-keystore-full-keystore-backup-2017-03-12 successful.

Done backing up keystore nz-dnssec-keystore. The sha256sum of this full keystore backup is da:f9:ee:5a:60:8d:79:3d:62:7e:48:2f:45:00:9d:fe:68:f8:55:ba:12:76:42:2a:6f:9c:78:c1:4c:c1:01:fc

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-dso2

Security Officer Password:

Enter a password to protect the data:

Confirm password:

Backup to /tmp/tmp.XxtZeO6191/device-backup-2017-03-12 successful.

Done backing up HSM device. The sha256sum of this device backup is 7e:12:e7:8b:82:8e:0d:7c:75:f2:0a:40:27:9d:40:9d:1b:20:b9:16:eb:b6:ac:07:dc:75:38:a6:81:1e:92:53

Exported keystore Info:

Keystore : nz-dnssec-keystore

Serial # : 600121

Keystore ID : f1a7987a

All backups have been exported to /var/lib/dnssec/keygen/key-backup-2017-03-12.tar.gz

Hash of key-backup-2017-03-12.tar.gz has been written to key-

backup-2017-03-12.tar.gz.sha256sum (sha256sum: ce:d1:26:ff:a5:d8:9b:38:4d:39:43:1e:4f:93:f9:66:f5:d7:38:84:5e:83:58:63:e2:61:3a:46:d2:3b:d3:ac)

[/var/lib/dnssec/keygen]

root@sign2: exit

[/home/admin]

admin@sign2: logout

Connection to sign2.internal.srs.net.nz closed.

.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
0.directoryStoreFile.shadow
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
0.indexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexPositions
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexPostings
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.shadowIndexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.shadowIndexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/Cab.created
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/Lion.created
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/indexState
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journalExclusion
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.directoryStoreFile
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.directoryStoreFile.shadow
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.indexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.indexPositionTable
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexPositions
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexPostings
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexTermIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexUpdates
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexPositionTable
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexTermIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/permStore
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/psid.db


```
]0;root@ubuntu: /media/WELLINGTONroot@ubuntu:/media/WELLINGTON# sha256sum -c key-backup-2017-03-12.tar.gz.sha256sum
key-backup-2017-03-12.tar.gz: OK
]0;root@ubuntu: /media/WELLINGTONroot@ubuntu:/media/WELLINGTON# cd /
]0;root@ubuntu: /root@ubuntu:/# eject /media/WELLINGTON/
]0;root@ubuntu: /root@ubuntu:/# eject /media/WELLINGTON/
]0;root@ubuntu: /root@ubuntu:/# [25Pcd /media/WELLINGTON/
```

```
]0;root@ubuntu: /root@ubuntu:/# [4Plsusb -v -d 05dc:a81d | grep -C 1 iProduct
```

```
]0;root@ubuntu: /root@ubuntu:/# [4Plsusb -v -d 05dc:a81d | grep -C 1 iProduct
iManufacturer      1 Lexar
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAKH3QAW0ARAS3RP
]36m[K--[m[K
iManufacturer      1 Lexar
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAWCATEOGCW8VXPR
]36m[K--[m[K
iManufacturer      1 Lexar
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAWBIUCDHP5XZKQF
]0;root@ubuntu: /root@ubuntu:/# lsusb -v -d 05dc:a81d | grep -C 1 iProduct
]0;root@ubuntu: /root@ubuntu:/# [25Pcd /media/WELLINGTON/
```

```
]0;root@ubuntu: /root@ubuntu:/# [4Plsusb -v -d 05dc:a81d | grep -C 1 iProduct
iManufacturer      1 Lexar
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAWBIUCDHP5XZKQF
]0;root@ubuntu: /root@ubuntu:/# lsusb -v -d 05dc:a81d | grep -C 1 iProduct
]0;root@ubuntu: /root@ubuntu:/# [25Pcd /media/WELLINGTON/
```

```
]0;root@ubuntu: /root@ubuntu:/# [4Plsusb -v -d 05dc:a81d | grep -C 1 iProduct
iManufacturer      1 Lexar
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAWBIUCDHP5XZKQF
]0;root@ubuntu: /root@ubuntu:/# lsusb -v -d 05dc:a81d | grep -C 1 iProduct
]0;root@ubuntu: /root@ubuntu:/# [25Pcd /media/WELLINGTON/
[01;31m[KiProduct[m[K         2 USB Flash Drive
iSerial            3 AAWBIUCDHP5XZKQF
]0;root@ubuntu: /root@ubuntu:/# lsusb -v -d 05dc:a81d | grep -C 1 iProduct
]0;root@ubuntu: /root@ubuntu:/# [25Pcd /media/WELLINGTON/
```

.Spotlight-V100/
.Spotlight-V100/VolumeConfiguration.plist
.Spotlight-V100/Store-V1/
.Spotlight-V100/Store-V1/VolumeConfig.plist
.Spotlight-V100/Store-V2/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/.store.db
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.directoryStoreFile
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
0.directoryStoreFile.shadow
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
0.indexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexPositions
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.indexPostings
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.shadowIndexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/0.shadowIndexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/Cab.created
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/Lion.created
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/indexState
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journalExclusion
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.directoryStoreFile
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.directoryStoreFile.shadow
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.indexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexGroups
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.indexPositionTable
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexPositions
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexPostings
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexTermIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.0.indexUpdates
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexArrays
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexCompactDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexDirectory
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexGroups

.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexHead
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexPositionTable
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/live.
0.shadowIndexTermIds
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/permStore
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/psid.db
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/reverseDirectoryStore
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
reverseDirectoryStore.shadow
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/reverseStore.updates
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/shutdown_time
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/store.db
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/store.updates
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/store_generation
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/tmp.Cab
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/tmp.Lion
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/tmp.SnowLeopard
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/tmp.spotlight.loc
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/tmp.spotlight.state
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
journals.assisted_import_post/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
journals.assisted_import_pre/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.corespotlight/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.health_check/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.live/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.live_priority/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.live_system/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.live_user/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.migration/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/
journals.migration_secondchance/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.scan/
.Spotlight-V100/Store-V2/EB9BF431-8A30-43B4-982A-F678387D319A/journals.scan/retire.2
.fseventsd/
.fseventsd/000000005db5ef86
.fseventsd/000000005db5ef87
.fseventsd/fseventsd-uuid

sent 1566845 bytes received 1238 bytes 1045388.67 bytes/sec

total size is 1562339 speedup is 1.00

]0;root@ubuntu: /root@ubuntu:/# rsync -avW /media/MASTER_COPY/ /media/AUCKLAND/

/[A

]0;root@ubuntu: /root@ubuntu:/# [K

[K[A[C[C[C[C[C[C[C[C[C[C[C[C[C[C/C/media/AUCKLAND/c/media/AUCKLAND/d/media/
AUCKLAND/ /media/AUCKLAND/

```
]0;root@ubuntu: /media/AUCKLANDroot@ubuntu:/media/AUCKLAND#
[7P(reverse-i-search)`: [Cs': rsync -avW /media/MASTER_COPY/ /media/A
AUCKLAND/[A[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[h': sha256sum -c key-
backup-2017-03-12.tar.gz.sha256sum
[C[C[C[C[C[A
]0;root@ubuntu: /media/AUCKLANDroot@ubuntu:/media/AUCKLAND# sha256sum -c key-
backup-2017-03-12.tar.gz.sha256sum
key-backup-2017-03-12.tar.gz: OK
]0;root@ubuntu: /media/AUCKLANDroot@ubuntu:/media/AUCKLAND# cd /
]0;root@ubuntu: /root@ubuntu:/#
[7@(reverse-i-search)`: [Ce': sha256sum -c key-backup-2017-03-12.tar.
.gz.sha256sum[A[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[13P]': eject /media/
WELLINGTON/
```

```
[K[A[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C]1@e[C[C[C
[10P]0;root@ubuntu: /root@ubuntu:/#
]0;root@ubuntu: /root@ubuntu:/# [C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C[C]1PELLINGTON/[1PLLINGTON/
[C[C]1PINGTON/[1PINGTON/[1PNGTON/[1PGTON/[1PTON/[1PON/[1PN/[1P/A/U/CKLAND/
]0;root@ubuntu: /root@ubuntu:/# cd /
]0;root@ubuntu: /root@ubuntu:/# eject /mediq[Ka/MSA[K[KASTER_COPY/
]0;root@ubuntu: /root@ubuntu:/# exit
exit
```

Script done on Mon 13 Mar 2017 11:45:15 AM NZDT