

Configuration

Patching OS

One of the very first steps after (re-)installing any release of Solaris should be installation of the cluster of Recommended Patches. A sample session included below.

```
# mkdir /var/tmp/clusters
# cd /var/tmp/clusters
# ftp sunsolve.sun.com
Connected to sunsolve.sun.com.
220-
220-
220-BY DOWNLOADING SOFTWARE AVAILABLE FROM THIS SITE, YOU AGREE
220-TO THE TERMS OF THE AGREEMENT AVAILABLE HERE:
220-
220- http://patches.sun.com/license.txt
220-
220-IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS AGREEMENT,
220-PROMPTLY EXIT THIS SITE AND DO NOT DOWNLOAD SOFTWARE.
220-
220-
220-
220 ** Welcome to Sun Microsystems FTP site **
Name (sunsolve.sun.com:root): ftp
331 Guest login ok, send your complete e-mail address as password.
Password:
230 Guest login ok, access restrictions apply.
Remote system type is UNIX.
Using binary mode to transfer files.
ftp> cd /patchroot/clusters
250 CWD command successful.
ftp> get 10_Recommended.zip
200 PORT command successful.
```

[----]

```
# unzip -q 10_Recommended.zip
# cd 10_Recommended
# ./install_cluster
```

```
[ Unfortunately, messages from the patch installation ]
[ process are often confusing... ]
```

```
# init 6
[ "init 6" is preferred to "reboot". ]
```

For Solaris 10 x86, the patch cluster file is named 10_x86_Recommended.zip.

There was one more patching step I was performed installing OpenGL and other freely available Solaris 10 patches.

Configuring NTP (Network Time Protocol)

The first server is the best server available from Calgary, the second one is located at the UofC.

Creating a drift file allows NTP software to take into account immediately after a reboot the average system clock drift.

```
# cat > /etc/inet/ntp.conf
server 131.107.1.10
server 136.159.2.1
driftfile /var/ntp/drift
#
# cat /etc/inet/ntp.conf
server 131.107.1.10
server 136.159.2.1
driftfile /var/ntp/drift
#
# echo 0.0 > /var/ntp/drift
#
```

```
# cat /var/ntp/drift
0.0
#
# svcadm enable network/ntp
```

Stopping services that are not required on the system

```
[ Disabling fingerd, i.e. disallowing finger access. ]
# svcadm disable network/finger
#
[ Disabling ftpd, i.e. disallowing ftp access. ]
# svcadm disable network/ftp
#
[ Disabling NFS (Network File System) client and server functionality. ]
# svcadm disable network/nfs/rquota
# svcadm disable network/nfs/nlockmgr
# svcadm disable network/nfs/status
# svcadm disable network/nfs/client
#
[ Disabling rlogind, i.e. disallowing rlogin access. ]
# svcadm disable network/login:rlogin
#
[ Disabling rshd, i.e. disallowing rsh/remsh access. ]
# svcadm disable network/shell:default
#
[ Disabling rstatd, i.e. disallowing rpc/rstat access. ]
# svcadm disable network/rpc/rstat
#
[ Disabling rusersd, i.e. disallowing rpc/rusers access. ]
# svcadm disable network/rpc/rusers
#
[ Disabling telnetd, i.e. disallowing telnet access to the system. ]
# svcadm disable svc:/network/telnet
#
```

Some system services required an adjustment in their configuration, in order to be meaningfully disabled.

sendmail

[Disabling remote access via SMTP, while mail still gets delivered.]

```
# echo 'MODE=""' > /etc/default/sendmail
# cat /etc/default/sendmail
MODE=""
# svcadm restart network/smtp
#
```

power management

[stops the disks from spinning down]

```
# cp -p /etc/power.conf /etc/power.conf.original
# sed -e 's/default/disable/' < /etc/power.conf.original > /etc/power.conf
# svcadm disable system/power
#
```

SNMP – Simple Network Management Protocol

```
# cp -p /etc/dmi/conf/dmispd.conf /etc/dmi/conf/dmispd.conf.original
# cp -p /etc/dmi/conf/snmpXdmid.conf /etc/dmi/conf/snmpXdmid.conf.original
# cp /dev/null /etc/dmi/conf/dmispd.conf
# cp /dev/null /etc/dmi/conf/snmpXdmid.conf
# ls -laF /etc/dmi/conf/
total 8
drwxr-xr-x  2 root    sys      512 Aug 22 18:00 ./
drwxr-xr-x  4 root    sys      512 Aug 14 21:21 ../
-rw-r--r--  1 root    sys        0 Aug 22 18:01 dmispd.conf
```

```

-rw-r--r--  1 root    sys      204 Aug 14 21:21 dmiispd.conf.original
-rw-r--r--  1 root    sys        0 Aug 22 18:01 snmpXdmid.conf
-rw-r--r--  1 root    sys     266 Jan 21  2005 snmpXdmid.conf.original
#
# cp -p /etc/sma/snmp/snmpd.conf /etc/sma/snmp/snmpd.conf.original
# sed -e 's/#DISABLE=NO/#DISABLE=YES/' < /etc/sma/snmp/snmpd.conf.original > /etc/sma/snmp/snmpd.conf
#
# ps -ef | egrep 'snmp|dmi' | egrep -v egrep
    root    466      1    0 17:35:41 ?        0:00 /usr/sfw/sbin/snmpd
    root    407      1    0 17:35:39 ?        0:00 /usr/lib/snmp/snmpdx -y -c /etc/snmp/conf
    root    417      1    0 17:35:40 ?        0:00 /usr/lib/dmi/snmpXdmid -s temple
#
# /etc/init.d/init.sma stop
# /etc/init.d/init.dmi stop
# /etc/init.d/init.snmpdx stop
# /etc/init.d/init.snmpdx start
# /etc/init.d/init.dmi start
# /etc/init.d/init.sma start
#
# ps -ef | egrep 'snmp|dmi' | egrep -v egrep
#

```