

Jumpstart Installation Example

Ido Dubrawsky 2001-04-16

Jumpstart Installation Example

by Ido Dubrawsky

last updated April 16, 2001

```
SPARCstation IPX, No Keyboard
ROM Rev. 2.9, 48 MB memory installed, Serial #2137284.
Ethernet address 8:0:20:c:26:c9, Host ID: 57209cc4.
```

```
Initializing Memory
Type b (boot), c (continue), or n (new command mode)
>n
Type help for more information
ok boot net - install
Initializing Memory
Boot device: /sbus/le@0,c00000 File and args: - install
hostname: dione
domainname: camelot
root server: hyperion.cisco.com
root directory: /opt/jumpstart/OS/Solaris_7/Solaris_2.7/Tools/Boot
SunOS Release 5.7 Version Generic [UNIX(R) System V Release 4.0]
Copyright (c) 1983-1998, Sun Microsystems, Inc.
Configuring devices...
The system is coming up. Please wait.
Starting remote procedure call (RPC) services: sysidnis done.
Starting Solaris installation program...
Searching for JumpStart directory...
Using rules.ok from 192.168.100.1:/jumpstart.
Checking rules.ok file...
Using profile: Profiles/32-bit-minimal.profile
Using finish script: Drivers/secure.driver
Executing JumpStart preinstall phase...
Searching for SolStart directory...
Checking rules.ok file...
Using begin script: install_begin
Using finish script: patch_finish
Executing SolStart preinstall phase...
Executing begin script "install_begin"...
Begin script install_begin execution completed.
```

Processing profile

- Selecting cluster (SUNWCreq)
- Selecting package (SUNWlibC)
- Selecting package (SUNWntpr)
- Selecting package (SUNWntpu)
- Selecting package (SUNWxcu4)
- Selecting package (SUNWxwplt)
- Selecting package (SUNWxwrtl)

WARNING: Selected package is already selected (SUNWswmt)

- Selecting package (SUNWxwice)
- Selecting package (SUNWpd)
- Selecting package (SUNWpdu)
- Selecting package (SUNWfns)

Installing 32 Bit Solaris Packages

- Selecting all disks
- Configuring boot device
- Using disk (c0t3d0) for "rootdisk"
- Configuring swap (c0t3d0s1)
- Configuring / (c0t3d0s0)
- Deselecting unmodified disk (c0t4d0)

Verifying disk configuration

Verifying space allocation

- Total software size: 65.35 Mbytes

Preparing system for Solaris install

Configuring disk (c0t3d0)

- Creating Solaris disk label (VTOC)

Creating and checking UFS file systems

- Creating / (c0t3d0s0)

Beginning Solaris software installation

Starting software installation

SUNWxwrtl...done.	65.30 Mbytes remaining.
SUNWploc....done.	64.16 Mbytes remaining.
SUNWkvm.c...done.	64.01 Mbytes remaining.
SUNWcsu.....done.	51.62 Mbytes remaining.
SUNWcsr.....done.	39.47 Mbytes remaining.
SUNWcsl.....done.	33.95 Mbytes remaining.
SUNWcar.c...done.	32.57 Mbytes remaining.
SUNWcsd.....done.	32.53 Mbytes remaining.
SUNWdtcor...done.	32.49 Mbytes remaining.
SUNWxwdv....done.	32.46 Mbytes remaining.
SUNWesu.....done.	31.10 Mbytes remaining.
SUNWlibms...done.	30.97 Mbytes remaining.
SUNWxwice...done.	30.81 Mbytes remaining.
SUNWxwplt...done.	19.58 Mbytes remaining.
SUNWxwmod...done.	19.55 Mbytes remaining.
SUNWadmr...done.	19.51 Mbytes remaining.
SUNWatfsr...done.	19.44 Mbytes remaining.
SUNWatfsu...done.	19.19 Mbytes remaining.
SUNWcg6.c...done.	19.15 Mbytes remaining.
SUNWdfb.c...done.	19.07 Mbytes remaining.
SUNWlibC....done.	18.61 Mbytes remaining.
SUNWfns.....done.	16.00 Mbytes remaining.
SUNWftpr....done.	15.99 Mbytes remaining.
SUNWftpu....done.	15.92 Mbytes remaining.
SUNWloc.....done.	15.62 Mbytes remaining.

```
SUNWkey....done.    15.39 Mbytes remaining.  
SUNWnlsr....done.    15.37 Mbytes remaining.  
SUNWnlsu....done.    14.13 Mbytes remaining.  
SUNWntpr....done.    14.09 Mbytes remaining.  
SUNWntpu....done.    13.69 Mbytes remaining.  
SUNWos86u....done.    13.67 Mbytes remaining.  
SUNWpcmc...done.    13.41 Mbytes remaining.  
SUNWpcelx...done.    13.28 Mbytes remaining.  
SUNWpcmcu...done.    13.24 Mbytes remaining.  
SUNWpcmem...done.    13.13 Mbytes remaining.  
SUNWpcser...done.    12.98 Mbytes remaining.  
SUNWpd.....done.    12.78 Mbytes remaining.  
SUNWpdu.....done.    12.73 Mbytes remaining.  
SUNWplocl...done.     3.95 Mbytes remaining.  
SUNWpsdpr...done.     3.83 Mbytes remaining.  
SUNWqfed....done.     3.72 Mbytes remaining.  
SUNWsndmr...done.     3.59 Mbytes remaining.  
SUNWsndmu...done.     2.32 Mbytes remaining.  
SUNWsolnm...done.     2.30 Mbytes remaining.  
SUNWswmt....done.     1.89 Mbytes remaining.  
SUNWxcu4....done.     1.00 Mbytes remaining.
```

Completed software installation

Solaris 2.7 software installation succeeded

Customizing system files

- Mount points table (/etc/vfstab)
- Network host addresses (/etc/hosts)

Customizing system devices

- Physical devices (/devices)
- Logical devices (/dev)

Installing boot information

- Installing boot blocks (c0t3d0s0)

Installation log location

- /a/var/sadm/system/logs/install_log (before reboot)
- /var/sadm/system/logs/install_log (after reboot)

Installation complete

Executing SolStart postinstall phase...

Executing finish script "patch_finish"...

Finish script patch_finish execution completed.

Executing JumpStart postinstall phase...

Executing finish script "Drivers/secure.driver"...

JASS_PACKAGE_MOUNT is set to 192.168.100.1:/jumpstart/Packages.

JASS_PATCH_MOUNT is set to 192.168.100.1:/jumpstart/Patches.

JASS_PACKAGE_DIR is set to /jumpstart/Packages.

JASS_ROOT_PASSWD is set to cFp4r2AbX0/Mc.

JASS_PATCH_DIR is set to /jumpstart/Patches.

```
=====
secure.driver: Driver started.
=====
```

```
NOTICE: Mounting 192.168.100.1:/jumpstart/Packages on /a//jumpstart/Packages.
NOTICE: Mounting 192.168.100.1:/jumpstart/Patches on /a//jumpstart/Patches.
```

```
=====
secure.driver: Copying personalized files.
=====
```

Copying /.cshrc from /tmp/install_config/Files//.cshrc.

```
=====
secure.driver: Starting finish script: print-jass-environment.fin
=====
```

```
JASS_CONFIG_DIR           /tmp/install_config
JASS_CRON_ALLOW
JASS_CRON_DENY
JASS_FILES_DIR            /tmp/install_config/Files
JASS_FINISH_DIR           /tmp/install_config/Finish
JASS_PACKAGE_DIR          /jumpstart/Packages
JASS_PACKAGE_MOUNT        192.168.100.1:/jumpstart/Packages
JASS_PATCH_DIR            /jumpstart/Patches
JASS_PATCH_MOUNT          192.168.100.1:/jumpstart/Patches
JASS_RHOSTS_FILE
JASS_ROOT_DIR             /a
JASS_ROOT_PASSWD          cFp4r2AbX0/Mc
JASS_SAVE_BACKUP          1
JASS_SGID_FILE
JASS_STANDALONE           0
JASS_SUFFIX               JASS
JASS_SUID_FILE
JASS_SVCS_DISABLE
JASS_TMPFS_SIZE
JASS_UMASK                022
JASS_UNAME                5.7
JASS_UNOWNED_FILE
JASS_USER_DIR             /tmp/install_config/Drivers
```

```
=====
secure.driver: Starting finish script: install-recommended-patches.fin
=====
```

Copying /etc/mnttab from miniroot to /a/etc/mnttab

Installing the 7_Recommended patch cluster.

Checking installed patches...

One or more patch packages included in
106960-01 are not installed on this system.

WARNING: Skipping patch 106960-01

Checking installed patches...

One or more patch packages included in
107038-01 are not installed on this system.

WARNING: Skipping patch 107038-01

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107171-08 has been successfully installed.

See /var/sadm/patch/107171-08/log for details

Patch packages installed:

SUNWswmt

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 106793-05 has been successfully installed.

See /var/sadm/patch/106793-05/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

One or more patch packages included in
106934-03 are not installed on this system.

WARNING: Skipping patch 106934-03

Checking installed patches...

One or more patch packages included in
106725-02 are not installed on this system.

WARNING: Skipping patch 106725-02

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107544-03 has been successfully installed.

See /var/sadm/patch/107544-03/log for details

Patch packages installed:

SUNWcsr

SUNWcsu

Checking installed patches...

Executing prepatch script...

Do you wish to continue this installation {yes or no} [yes]?
(by default, installation will continue in 60 seconds)

Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106541-14 has been successfully installed.
See /var/sadm/patch/106541-14/log for details
Executing postpatch script...
Driver (sysmsg) is already installed.

Patch packages installed:

- SUNWatfsr
- SUNWcar
- SUNWcsl
- SUNWcsr
- SUNWcsu
- SUNWesu
- SUNWkvm
- SUNWnisu
- SUNWpcmci
- SUNWpcmcu

Checking installed patches...
One or more patch packages included in
107587-01 are not installed on this system.
WARNING: Skipping patch 107587-01

Checking installed patches...
One or more patch packages included in
107359-02 are not installed on this system.
WARNING: Skipping patch 107359-02

Checking installed patches...
One or more patch packages included in
107636-05 are not installed on this system.
WARNING: Skipping patch 107636-05

Checking installed patches...
One or more patch packages included in
107887-10 are not installed on this system.
WARNING: Skipping patch 107887-10

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106944-03 has been successfully installed.
See /var/sadm/patch/106944-03/log for details

Patch packages installed:
SUNWcsr

Checking installed patches...

One or more patch packages included in
106952-01 are not installed on this system.

WARNING: Skipping patch 106952-01

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107456-01 has been successfully installed.

See /var/sadm/patch/107456-01/log for details

Patch packages installed:

SUNWcsr

Checking installed patches...

One or more patch packages included in
106978-10 are not installed on this system.

WARNING: Skipping patch 106978-10

Checking installed patches...

One or more patch packages included in
107115-05 are not installed on this system.

WARNING: Skipping patch 107115-05

Checking installed patches...

One or more patch packages included in
107259-01 are not installed on this system.

WARNING: Skipping patch 107259-01

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107451-05 has been successfully installed.

See /var/sadm/patch/107451-05/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107454-05 has been successfully installed.

See /var/sadm/patch/107454-05/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107684-01 has been successfully installed.

See /var/sadm/patch/107684-01/log for details

Patch packages installed:

SUNWsndmu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107792-02 has been successfully installed.

See /var/sadm/patch/107792-02/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

One or more patch packages included in

107972-01 are not installed on this system.

WARNING: Skipping patch 107972-01

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108301-02 has been successfully installed.

See /var/sadm/patch/108301-02/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

One or more patch packages included in

107337-01 are not installed on this system.

WARNING: Skipping patch 107337-01

Checking installed patches...

One or more patch packages included in

107893-10 are not installed on this system.

WARNING: Skipping patch 107893-10

Checking installed patches...

One or more patch packages included in

108219-01 are not installed on this system.

WARNING: Skipping patch 108219-01

Checking installed patches...

One or more patch packages included in

108221-01 are not installed on this system.

WARNING: Skipping patch 108221-01

Checking installed patches...

One or more patch packages included in

107885-08 are not installed on this system.

WARNING: Skipping patch 107885-08

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 108482-02 has been successfully installed.
See /var/sadm/patch/108482-02/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
One or more patch packages included in
108662-01 are not installed on this system.
WARNING: Skipping patch 108662-01

Checking installed patches...
One or more patch packages included in
107709-07 are not installed on this system.
WARNING: Skipping patch 107709-07

Checking installed patches...
One or more patch packages included in
108484-01 are not installed on this system.
WARNING: Skipping patch 108484-01

Checking installed patches...
One or more patch packages included in
108721-02 are not installed on this system.
WARNING: Skipping patch 108721-02

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106950-13 has been successfully installed.
See /var/sadm/patch/106950-13/log for details

Patch packages installed:
SUNWcsl
SUNWcsr
SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106938-04 has been successfully installed.
See /var/sadm/patch/106938-04/log for details

Patch packages installed:
SUNWcsl

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 107018-02 has been successfully installed.
See /var/sadm/patch/107018-02/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
Executing prepatch script...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 108376-18 has been successfully installed.
See /var/sadm/patch/108376-18/log for details

Patch packages installed:
SUNWxwice
SUNWxwplt

Checking installed patches...
One or more patch packages included in
108331-01 are not installed on this system.
WARNING: Skipping patch 108331-01

Checking installed patches...
One or more patch packages included in
108327-01 are not installed on this system.
WARNING: Skipping patch 108327-01

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 109253-01 has been successfully installed.
See /var/sadm/patch/109253-01/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
One or more patch packages included in
109404-01 are not installed on this system.
WARNING: Skipping patch 109404-01

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 108798-01 has been successfully installed.
See /var/sadm/patch/108798-01/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 108838-02 has been successfully installed.
See /var/sadm/patch/108838-02/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 107650-08 has been successfully installed.
See /var/sadm/patch/107650-08/log for details

Patch packages installed:
SUNWxwplt

Checking installed patches...
One or more patch packages included in
109949-01 are not installed on this system.
WARNING: Skipping patch 109949-01

Checking installed patches...
One or more patch packages included in
107794-01 are not installed on this system.
WARNING: Skipping patch 107794-01

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106942-14 has been successfully installed.
See /var/sadm/patch/106942-14/log for details

Patch packages installed:
SUNWcsl
SUNWnisu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 109744-01 has been successfully installed.
See /var/sadm/patch/109744-01/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...

One or more patch packages included in
108374-04 are not installed on this system.

WARNING: Skipping patch 108374-04

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 106327-08 has been successfully installed.

See /var/sadm/patch/106327-08/log for details

Patch packages installed:

SUNWlibc

Checking installed patches...

One or more patch packages included in
106300-09 are not installed on this system.

WARNING: Skipping patch 106300-09

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107443-13 has been successfully installed.

See /var/sadm/patch/107443-13/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108551-03 has been successfully installed.

See /var/sadm/patch/108551-03/log for details

Patch packages installed:

SUNWnisu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 107477-03 has been successfully installed.

See /var/sadm/patch/107477-03/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108748-01 has been successfully installed.

See /var/sadm/patch/108748-01/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108750-01 has been successfully installed.

See /var/sadm/patch/108750-01/log for details

Patch packages installed:

SUNWnisu

Checking installed patches...

One or more patch packages included in
108754-01 are not installed on this system.

WARNING: Skipping patch 108754-01

Checking installed patches...

One or more patch packages included in
108756-01 are not installed on this system.

WARNING: Skipping patch 108756-01

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108760-01 has been successfully installed.

See /var/sadm/patch/108760-01/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108762-01 has been successfully installed.

See /var/sadm/patch/108762-01/log for details

Patch packages installed:

SUNWnisu

Checking installed patches...

Verifying sufficient filesystem capacity (dry run method)...

Installing patch packages...

Patch number 108764-01 has been successfully installed.

See /var/sadm/patch/108764-01/log for details

Patch packages installed:

SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 108758-01 has been successfully installed.
See /var/sadm/patch/108758-01/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 109709-01 has been successfully installed.
See /var/sadm/patch/109709-01/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 110281-01 has been successfully installed.
See /var/sadm/patch/110281-01/log for details

Patch packages installed:
SUNWcsu

Checking installed patches...
Verifying sufficient filesystem capacity (dry run method)...
Installing patch packages...

Patch number 106980-15 has been successfully installed.
See /var/sadm/patch/106980-15/log for details

Patch packages installed:
SUNWcsl

Checking installed patches...
One or more patch packages included in
107022-06 are not installed on this system.
WARNING: Skipping patch 107022-06

Checking installed patches...
One or more patch packages included in
107200-12 are not installed on this system.

Patchadd is terminating.

=====
secure.driver: Starting finish script: set-root-password.fin

```
=====  
Copying /a/etc/shadow to /a/etc/shadow.JASS.20010404112309
```

```
=====  
secure.driver: Starting finish script: set-term-type.fin  
=====
```

```
Copying /a/etc/profile to /a/etc/profile.JASS.20010404112311  
Adding default terminal type (vt100) to /etc/profile  
and /etc/.login.
```

```
Copying /a/etc/.login to /a/etc/.login.JASS.20010404112312
```

```
=====  
secure.driver: Starting finish script: install-fix-modes.fin  
=====
```

```
Installing fix-modes into /opt/FixModes  
Executing fix-modes from /opt/FixModes  
touch: var/lp/logs/lpNet cannot create  
touch: var/lp/logs/lpsched cannot create  
chown: var/lp/logs/lpNet*: No such file or directory  
chown: var/lp/logs/lpsched*: No such file or directory  
chgrp: var/lp/logs/lpNet*: No such file or directory  
chgrp: var/lp/logs/lpsched*: No such file or directory  
chmod: WARNING: can't access var/lp/logs/lpNet*  
chmod: WARNING: can't access var/lp/logs/lpsched*
```

```
NOTICE: Unmounting /a//jumpstart/Packages.  
NOTICE: Unmounting /a//jumpstart/Patches.
```

```
=====  
secure.driver: Driver finished.  
=====
```

```
=====  
secure.driver: Driver started.  
=====
```

```
NOTICE: Mounting 192.168.100.1://jumpstart/Packages on /a//jumpstart/Packages.  
NOTICE: Mounting 192.168.100.1://jumpstart/Patches on /a//jumpstart/Patches.
```

```
=====  
secure.driver: Copying personalized files.  
=====
```

```
Copying /etc/dt/config/Xaccess from /tmp/install_config/Files//etc/dt/config/Xaccess.  
Copying /etc/default/ftpd from /tmp/install_config/Files//etc/default/ftpd.  
Copying /etc/default/telnetd from /tmp/install_config/Files//etc/default/telnetd.  
Copying /a//etc/init.d/inetsvc to /a//etc/init.d/inetsvc.JASS.20010404112342  
Copying /etc/init.d/inetsvc from /tmp/install_config/Files//etc/init.d/inetsvc.  
Copying /etc/init.d/nddconfig from /tmp/install_config/Files//etc/init.d/nddconfig.  
Copying /etc/issue from /tmp/install_config/Files//etc/issue.
```

```
Copying /a//etc/motd to /a//etc/motd.JASS.20010404112344
Copying /etc/motd from /tmp/install_config/Files//etc/motd.
Copying /etc/notrouter from /tmp/install_config/Files//etc/notrouter.
Copying /a//etc/nsswitch.conf to /a//etc/nsswitch.conf.JASS.20010404112346
Copying /etc/nsswitch.conf from /tmp/install_config/Files//etc/nsswitch.conf.
Copying /etc/rc2.d/S70nddconfig from /tmp/install_config/Files//etc/rc2.d/
S70nddconfig.
Copying /a//etc/syslog.conf to /a//etc/syslog.conf.JASS.20010404112347
Copying /etc/syslog.conf from /tmp/install_config/Files//etc/syslog.conf.
```

```
=====
secure.driver: Starting finish script: disable-apache.fin
=====
```

Disabling Apache startup and shutdown scripts

secure.driver: NOTE : The Apache service is only available on Solaris 8+.

```
=====
secure.driver: Starting finish script: disable-asppp.fin
=====
```

Disabling ASPPP startup and shutdown scripts

```
=====
secure.driver: Starting finish script: disable-autoinst.fin
=====
```

Disabling sysid/autoinstall startup and shutdown scripts

```
Renaming /a/etc/rc2.d/S30sysid.net to /a/etc/rc2.d/_S30sysid.net.JASS.20010404112348
Renaming /a/etc/rc2.d/S71sysid.sys to /a/etc/rc2.d/_S71sysid.sys.JASS.20010404112348
Renaming /a/etc/rc2.d/S72autoinstall to /a/etc/rc2.d/_S72autoinstall.
JASS.20010404112348
```

```
=====
secure.driver: Starting finish script: disable-automount.fin
=====
```

Disabling Automount startup and shutdown scripts

```
Renaming /a/etc/rcS.d/K41autofs to /a/etc/rcS.d/_K41autofs.JASS.20010404112349
Renaming /a/etc/rc0.d/K41autofs to /a/etc/rc0.d/_K41autofs.JASS.20010404112349
Renaming /a/etc/rc1.d/K41autofs to /a/etc/rc1.d/_K41autofs.JASS.20010404112349
Renaming /a/etc/rc2.d/S74autofs to /a/etc/rc2.d/_S74autofs.JASS.20010404112349
```

```
=====
secure.driver: Starting finish script: disable-core-generation.fin
=====
```

```
Copying /a/etc/system to /a/etc/system.JASS.20010404112350
```

```
=====
```

secure.driver: Starting finish script: disable-dhcpd.fin

=====

Disabling DHCP server startup and shutdown scripts

secure.driver: NOTE : The DHCP server is only available on Solaris 8+.

=====

secure.driver: Starting finish script: disable-dmi.fin

=====

Disabling DMI startup and shutdown scripts

=====

secure.driver: Starting finish script: disable-dtlogin.fin

=====

Disabling dtlogin startup and shutdown scripts

=====

secure.driver: Starting finish script: disable-keyserv-uid-nobody.fin

=====

Copying /a/etc/init.d/rpc to /a/etc/init.d/rpc.JASS.20010404112351

Disabling 'nobody' access to SecureRPC information

=====

secure.driver: Starting finish script: disable-ldap-client.fin

=====

Disabling LDAP client startup and shutdown scripts

secure.driver: NOTE : The LDAP client service is only available on Solaris 8+.

=====

secure.driver: Starting finish script: disable-lp.fin

=====

Disabling LP startup and shutdown scripts

Copying /a/etc/cron.d/cron.deny to /a/etc/cron.d/cron.deny.JASS.20010404112353

Adding the 'lp' account to the 'cron.deny' file.

Disabling the LP cron entry

=====

secure.driver: Starting finish script: disable-mipagent.fin

=====

Disabling Mobile IP agent startup and shutdown scripts

secure.driver: NOTE : The Mobile IP agent is only available on Solaris 8+.

```
=====  
secure.driver: Starting finish script: disable-nfs-client.fin  
=====
```

Disabling NFS client startup and shutdown scripts

```
Renaming /a/etc/rc0.d/K4lnfs.client to /a/etc/rc0.d/_K4lnfs.client.  
JASS.20010404112354  
Renaming /a/etc/rc2.d/S73nfs.client to /a/etc/rc2.d/_S73nfs.client.  
JASS.20010404112354
```

```
=====  
secure.driver: Starting finish script: disable-nfs-server.fin  
=====
```

Disabling NFS server startup and shutdown scripts

```
Renaming /a/etc/rcS.d/K28nfs.server to /a/etc/rcS.d/_K28nfs.server.  
JASS.20010404112354  
Renaming /a/etc/rc0.d/K28nfs.server to /a/etc/rc0.d/_K28nfs.server.  
JASS.20010404112354  
Renaming /a/etc/rc1.d/K28nfs.server to /a/etc/rc1.d/_K28nfs.server.  
JASS.20010404112355  
Renaming /a/etc/rc2.d/K28nfs.server to /a/etc/rc2.d/_K28nfs.server.  
JASS.20010404112355  
Renaming /a/etc/rc3.d/S15nfs.server to /a/etc/rc3.d/_S15nfs.server.  
JASS.20010404112355
```

```
=====  
secure.driver: Starting finish script: disable-nscd-caching.fin  
=====
```

Copying /a/etc/nscd.conf to /a/etc/nscd.conf.JASS.20010404112355
Disabling caching on passwords, groups, and hosts

```
=====  
secure.driver: Starting finish script: disable-preserve.fin  
=====
```

Disabling PRESERVE startup and shutdown scripts

```
Renaming /a/etc/rc2.d/S80PRESERVE to /a/etc/rc2.d/_S80PRESERVE.JASS.20010404112356
```

```
=====  
secure.driver: Starting finish script: disable-power-mgmt.fin  
=====
```

Disabling power management startup and shutdown scripts

Creating /noautosshutdown file to disable power management

```
=====
```

```
secure.driver: Starting finish script: disable-remote-root-login.fin  
=====
```

```
Copying /a/etc/default/login to /a/etc/default/login.JASS.20010404112357
```

```
=====  
secure.driver: Starting finish script: disable-rlogin-rhosts.fin  
=====
```

```
Disabling rhosts authentication for rlogin.
```

```
Copying /a/etc/pam.conf to /a/etc/pam.conf.JASS.20010404112358
```

```
=====  
secure.driver: Starting finish script: disable-rpc.fin  
=====
```

```
Disabling RPC startup and shutdown scripts
```

```
Renaming /a/etc/rcS.d/K4lrpc to /a/etc/rcS.d/_K4lrpc.JASS.20010404112359  
Renaming /a/etc/rc0.d/K4lrpc to /a/etc/rc0.d/_K4lrpc.JASS.20010404112359  
Renaming /a/etc/rc1.d/K4lrpc to /a/etc/rc1.d/_K4lrpc.JASS.20010404112359  
Renaming /a/etc/rc2.d/S7lrpc to /a/etc/rc2.d/_S7lrpc.JASS.20010404112400
```

```
=====  
secure.driver: Starting finish script: disable-slp.fin  
=====
```

```
Disabling SLP startup and shutdown scripts
```

```
secure.driver: NOTE : The SLP service is only available on Solaris 8+.
```

```
=====  
secure.driver: Starting finish script: disable-snmp.fin  
=====
```

```
Disabling SNMP startup and shutdown scripts
```

```
=====  
secure.driver: Starting finish script: disable-spc.fin  
=====
```

```
Disabling SPC startup and shutdown scripts
```

```
=====  
secure.driver: Starting finish script: disable-syslogd-listen.fin  
=====
```

```
secure.driver: NOTE : Preventing syslogd from listening for remote connections  
secure.driver: NOTE : can only be done on Solaris 8+.
```

```
=====
```

secure.driver: Starting finish script: disable-system-accounts.fin

=====

Copying /a/etc/passwd to /a/etc/passwd.JASS.20010404112403

- Disabling system account, daemon.
- Disabling system account, bin.
- Disabling system account, adm.
- Disabling system account, lp.
- Disabling system account, uucp.
- Disabling system account, nuucp.
- Disabling system account, listen.
- Disabling system account, nobody.
- Disabling system account, noaccess.
- Disabling system account, nobody4.

=====

secure.driver: Starting finish script: disable-uucp.fin

=====

Disabling UUCP startup and shutdown scripts

Removing the nuucp system account

- Copying /a/etc/passwd to /a/etc/passwd.JASS.20010404112410
- Copying /a/etc/shadow to /a/etc/shadow.JASS.20010404112410

=====

secure.driver: Starting finish script: disable-wbem.fin

=====

Disabling WBEM startup and shutdown scripts

secure.driver: NOTE : The WBEM service is only available on Solaris 8+.

=====

secure.driver: Starting finish script: enable-bsm.fin

=====

Enabling SunSHIELD Basic Security Module

This script is used to enable the Basic Security Module (BSM).

Shall we continue with the conversion now? [y/n] bsmconv: INFO: checking startup file.

- bsmconv: INFO: move aside /etc/rc2.d/S92volmgt.
- bsmconv: INFO: turning on audit module.
- bsmconv: INFO: initializing device allocation files.

The Basic Security Module is ready.
If there were any errors, please fix them now.
Configure BSM by editing files located in /etc/security.
Reboot this system now to come up with BSM enabled.
Removing the 'abort disable' code that was added
to /etc/system by /etc/security/bsmconv

Copying /a/etc/system to /a/etc/system.JASS.20010404112416

Updating /a/etc/security/audit_control

Copying /a/etc/security/audit_control to /a/etc/security/audit_control.

JASS.20010404112417

Checking for 'audit_warn' alias.

Installing 'audit_warn' alias for 'root'.

WARNING: local host name (dione) is not qualified; fix \$j in config file

/etc/mail/aliases: 4 aliases, longest 10 bytes, 66 bytes total

=====
secure.driver: Starting finish script: enable-ftp-syslog.fin
=====

Copying /a/etc/inet/inetd.conf to /a/etc/inet/inetd.conf.JASS.20010404112520

=====
secure.driver: Starting finish script: enable-inetd-syslog.fin
=====

Copying /a/etc/init.d/inetsvc to /a/etc/init.d/inetsvc.JASS.20010404112521

Configuring 'inetd' to log all connections.

=====
secure.driver: Starting finish script: enable-priv-nfs-ports.fin
=====

Copying /a/etc/system to /a/etc/system.JASS.20010404112522

Enabling restricted NFS port access.

=====
secure.driver: Starting finish script: enable-rfc1948.fin
=====

Copying /a/etc/default/inetinit to /a/etc/default/inetinit.JASS.20010404112523

Enabling RFC 1948 sequence number generation.

=====
secure.driver: Starting finish script: enable-stack-protection.fin
=====

Copying /a/etc/system to /a/etc/system.JASS.20010404112524

=====
secure.driver: Starting finish script: install-at-allow.fin
=====

Restricting access to the 'at' facility.

```
=====
secure.driver: Starting finish script: install-ftpusers.fin
=====
```

Restricting access to the 'FTP' service.

Copying /a/etc/ftpusers to /a/etc/ftpusers.JASS.20010404112527

```
=====
secure.driver: Starting finish script: install-loginlog.fin
=====
```

Creating log file to track failed login attempts.

```
=====
secure.driver: Starting finish script: install-newaliases.fin
=====
```

secure.driver: NOTE : The 'newaliases' link for 'sendmail' is already installed.

```
=====
secure.driver: Starting finish script: install-security-mode.fin
=====
```

The EEPROM security-mode parameter is set as: none.

To improve the security of the system, the following command should be executed manually from the operating system. For more information on this command and its possible values, refer to the eeprom(1M) manual entry.

```
eeprom "security-mode=command"
```

The current number of EEPROM 'badlogins' is 0.

Setting the number of badlogins to 0.

```
=====
secure.driver: Starting finish script: install-sulog.fin
=====
```

Creating log file to track attempts to use 'su'.

```
=====
secure.driver: Starting finish script: remove-unneeded-accounts.fin
=====
```

Removing non-essential system accounts.

Copying /a/etc/passwd to /a/etc/passwd.JASS.20010404112534

Copying /a/etc/shadow to /a/etc/shadow.JASS.20010404112534

Removing the account, listen, from the system
Removing the account, nobody4, from the system

=====
secure.driver: Starting finish script: set-login-retries.fin
=====

Limiting number of failed login attempts permitted before login exits.

Copying /a/etc/default/login to /a/etc/default/login.JASS.20010404112536
NOTICE : Adding RETRIES variable to /a/etc/default/login

=====
secure.driver: Starting finish script: set-rmmount-nosuid.fin
=====

Copying /a/etc/rmmount.conf to /a/etc/rmmount.conf.JASS.20010404112537

=====
secure.driver: Starting finish script: set-system-umask.fin
=====

Adding link from /a/etc/rc0.d/S00umask.sh to /a/etc/init.d/umask.sh
Adding link from /a/etc/rc1.d/S00umask.sh to /a/etc/init.d/umask.sh
Adding link from /a/etc/rc2.d/S00umask.sh to /a/etc/init.d/umask.sh
Adding link from /a/etc/rc3.d/S00umask.sh to /a/etc/init.d/umask.sh
Adding link from /a/etc/rcS.d/S00umask.sh to /a/etc/init.d/umask.sh

=====
secure.driver: Starting finish script: set-tmpfs-limit.fin
=====

WARNING: Setting maximum tmp filesystem to be 100m

Copying /a/etc/vfstab to /a/etc/vfstab.JASS.20010404112539

=====
secure.driver: Starting finish script: set-user-password-reqs.fin
=====

Installing user password requirements.

Copying /a/etc/default/passwd to /a/etc/default/passwd.JASS.20010404112540

=====
secure.driver: Starting finish script: set-user-umask.fin
=====

Copying /a/etc/.login to /a/etc/.login.JASS.20010404112542
Copying /a/etc/profile to /a/etc/profile.JASS.20010404112542
Copying /a/etc/skel/local.cshrc to /a/etc/skel/local.cshrc.JASS.20010404112543
Copying /a/etc/skel/local.login to /a/etc/skel/local.login.JASS.20010404112544
Copying /a/etc/skel/local.profile to /a/etc/skel/local.profile.JASS.20010404112544
Copying /a/etc/default/login to /a/etc/default/login.JASS.20010404112545

```
=====
secure.driver: Starting finish script: update-at-deny.fin
=====
```

```
Copying /a/etc/cron.d/at.deny to /a/etc/cron.d/at.deny.JASS.20010404112546
Enabling access-control for the 'at' facility.
```

```
Adding root to /a/etc/cron.d/at.deny
Adding sys to /a/etc/cron.d/at.deny
Adding adm to /a/etc/cron.d/at.deny
Adding lp to /a/etc/cron.d/at.deny
Adding uucp to /a/etc/cron.d/at.deny
```

```
=====
secure.driver: Starting finish script: update-cron-allow.fin
=====
```

```
Updating cron facility access controls (cron.allow)
```

```
Copying /a/etc/cron.d/cron.allow to /a/etc/cron.d/cron.allow.JASS.20010404112549
secure.driver: NOTE : Adding root to /a/etc/cron.d/cron.allow.
```

```
=====
secure.driver: Starting finish script: update-cron-deny.fin
=====
```

```
Updating cron facility access controls (cron.deny)
```

```
Copying /a/etc/cron.d/cron.deny to /a/etc/cron.d/cron.deny.JASS.20010404112551
secure.driver: NOTE : Account, root, will not be added to /a/etc/cron.d/cron.deny.
secure.driver: NOTE : Adding sys to /a/etc/cron.d/cron.deny.
secure.driver: NOTE : Adding adm to /a/etc/cron.d/cron.deny.
secure.driver: NOTE : Adding uucp to /a/etc/cron.d/cron.deny.
```

```
=====
secure.driver: Starting finish script: update-inetd-conf.fin
=====
```

```
Copying /a/etc/inet/inetd.conf to /a/etc/inet/inetd.conf.JASS.20010404112600
Disabling service, ftp.
Disabling service, telnet.
Disabling service, name.
Disabling service, exec.
Disabling service, comsat.
Disabling service, talk.
Disabling service, uucp.
Disabling service, smtp.
Disabling service, tftp.
Disabling service, finger.
Disabling service, systat.
Disabling service, netstat.
Disabling service, rquotad.
Disabling service, rusersd.
```

Disabling service, sprayd.
Disabling service, walld.
Disabling service, rexd.
Disabling service, shell.
Disabling service, login.
Disabling service, exec.
Disabling service, comsat.
Disabling service, time.
Disabling service, echo.
Disabling service, discard.
Disabling service, daytime.
Disabling service, chargen.
Disabling service, 100087.
Disabling service, rwalld.
Disabling service, rstatd.
Disabling service, 100068.
Disabling service, 100083.
Disabling service, 100221.
Disabling service, fs.
Disabling service, ufsd.
Disabling service, 100232.
Disabling service, 100235.
Disabling service, 536870916.
Disabling service, kerbd.
Disabling service, printer.
Disabling service, 100234.
Disabling service, dtspc.
Disabling service, xaudio.
Disabling service, 100146.
Disabling service, 100147.
Disabling service, 100150.
Disabling service, 100134.
Disabling service, 100229.
Disabling service, 100230.
Disabling service, 100242.

=====
secure.driver: Starting finish script: remove-packages.fin
=====

Executing pkgrm -R /a to remove unwanted packages
Removing: SUNWsndmu
Removing: SUNWsndmr
Removing: SUNWpcelx
Removing: SUNWpcmcu
Removing: SUNWpcmci
Removing: SUNWpcmem
Removing: SUNWpcser
Removing: SUNWpd
Removing: SUNWpdu
Removing: SUNWpsdpr
Removing: SUNWqfed
Removing: SUNWcg6

Removing: SUNWatfsu
Removing: SUNWatfsr
Removing: SUNWftpu
Removing: SUNWftpr
Removing: SUNWos86u

secure.driver: NOTE : Package removal completed successfully

=====
secure.driver: Starting finish script: install-sendmail.fin
=====

Installing Sendmail 8.11.2

secure.driver: NOTE : Sendmail 8.11.2 installed successfully.

=====
secure.driver: Starting finish script: install-openssl.fin
=====

Installing OpenSSL into /a/opt/local

secure.driver: NOTE : OpenSSL 0.9.6 installed successfully.

=====
secure.driver: Starting finish script: install-skey.fin
=====

Installing S/Key into /a/opt/local

secure.driver: NOTE : S/Key 1.1.3 installed successfully.

=====
secure.driver: Starting finish script: install-openssh.fin
=====

Installing OpenSSH into /a/opt/local

secure.driver: NOTE : OpenSSH 2.3.0p1 installed successfully.

=====
secure.driver: Starting finish script: install-sudo.fin
=====

Installing sudo into /a/opt/local

secure.driver: NOTE : sudo 1.6.5 installed successfully.

=====
secure.driver: Starting finish script: install-noshell.fin
=====

Installing noshell into /a/opt/local

secure.driver: NOTE : noshell 1.0 installed successfully.

=====
secure.driver: Starting finish script: install-ifstatus.fin
=====

Installing ifstatus into /a/opt/local

secure.driver: NOTE : ifstatus 2.2 installed successfully.

=====
secure.driver: Starting finish script: install-logcheck.fin
=====

Installing logcheck into /a/opt/local

secure.driver: NOTE : logcheck 1.1.1 installed successfully.

=====
secure.driver: Starting finish script: install-secureip.fin
=====

Installing logcheck into /a/opt/local

secure.driver: NOTE : secureip 1.0 installed successfully.

=====
secure.driver: Starting finish script: install-fix-modes.fin
=====

Installing fix-modes into /a/opt/FixModes

secure.driver: NOTE : The directory, /opt/FixModes, exists.

=====
secure.driver: Starting finish script: install-strong-permissions.fin
=====

Installing stronger permissions on system files and directories.

NOTICE: Unmounting /a//jumpstart/Packages.

NOTICE: Unmounting /a//jumpstart/Patches.

=====
secure.driver: Driver finished.
=====

Finish script Drivers/secure.driver execution completed.

The begin script log 'begin.log'
is located in /var/sadm/system/logs after reboot.

The finish script log 'finish.log'
is located in /var/sadm/system/logs after reboot.

Apr 4 09:26:19 rpcbind: rpcbind terminating on signal.

syncing file systems... done

rebooting...ý

SPARCstation IPX, No Keyboard

ROM Rev. 2.9, 48 MB memory installed, Serial #2137284.

Ethernet address 8:0:20:c:26:c9, Host ID: 57209cc4.

Initializing Memory

```
Rebooting with command:
Boot device: /sbus/esp@0,800000/sd@3,0   File and args:
SunOS Release 5.7 Version Generic_106541-14 [UNIX(R) System V Release 4.0]
Copyright (c) 1983-1999, Sun Microsystems, Inc.
configuring network interfaces: le0.
Hostname: dione
Configuring /dev and /devices
The system is coming up. Please wait.
NIS domainname is camelot
starting routing daemon.
Setting netmask of le0 to 255.255.255.0
syslog service starting.
starting OpenSSH daemon
starting sendmail daemon
starting audit daemon
Configured 229 kernel events.
The system is ready.
```

```
#####
# This system is for the use of authorized users only.          #
# Individuals using this computer system without authority, or in #
# excess of their authority, are subject to having all of their  #
# activities on this system monitored and recorded by system    #
# personnel.                                                    #
#                                                                #
# In the course of monitoring individuals improperly using this  #
# system, or in the course of system maintenance, the activities #
# of authorized users may also be monitored.                    #
#                                                                #
# Anyone using this system expressly consents to such monitoring #
# and is advised that if such monitoring reveals possible       #
# evidence of criminal activity, system personnel may provide the #
# evidence of such monitoring to law enforcement officials.     #
#####
```

dione console login:

[Privacy Statement](#)

Copyright 2006, SecurityFocus