



Interested in learning
more about security?

SANS Institute

Security Consensus Operational Readiness Evaluation

This checklist is from the SCORE Checklist Project. Reposting is not permitted without express, written permission.

HP-UX 10.20 Security for DSS Requirements Checklist

HP-UX 10.20 Security for DSS requirements.
Originally written by: Darren Bennett 11/05/03
Updated/Edited: Darren Bennett 11/14/03
Updated/Edited: Darren Bennett 08/13/04

I. Configure Login Banners:

There are two scenarios regarding Login Banners, the first assumes that you previously edited and saved the files to a DOS formatted floppy. The second scenario explains how to modify/create the files yourself.

- A. If you **have** pre-saved the Banner files on a floppy:
** Be sure it is write protected and virus free**

Perform the following as root to mount the floppy and then copy the files to the locations specified in step 2:

1. To transfer a file from a PC floppy to the UNIX system:
doscp /dev/rfloppy/c0t1d0:<DOS-Filename> <UNIX-
Filename and Path>
2. Copy Xresources to /etc/dt/config/C/Xresources and copy issue to /etc/issue
3. Skip ahead to part II.

Additional transfer notes:

To view the contents of a DOS floppy: type "dosls -a /
dev/rfloppy/c0t1d0:"

To view the contents of a UNIX directory type "ls -al
</path/to/the/directory>"

To view the contents of a UNIX file type "more
</path/to/filename>"

- B. If you **do not have** pre-saved copies of the Xresources and issue files:

Step 1:

Copy the example Xresources file from /usr/dt/config/C/Xresources to /etc/dt/config/C/Xresources and edit it to match the following (Changes made to the default file have been highlighted), or create a new file containing the following and save it to /etc/dt/config/C/Xresources:

-- Begin Copying for Xresources file **Below This Line --**

```
!!#####  
!!  
!! Xresources  
!!  
!! Common Desktop Environment  
!!  
!! Configuration file for the Login Manager  
!!
```

```

!! (c) Copyright 1993, 1994 Hewlett-Packard Company
!! (c) Copyright 1993, 1994 International Business Machines Corp.
!! (c) Copyright 1993, 1994 Sun Microsystems, Inc.
!! (c) Copyright 1993, 1994 Novell, Inc.
!!
!! ***** DO NOT EDIT THIS FILE *****
!!
!! /usr/dt/config/Xresources is a factory-default file and will
!! be unconditionally overwritten upon subsequent installation.
!! Before making changes to the file, copy it to the configuration
!! directory, /etc/dt/config. You must also update the resources
!! resource in /etc/dt/config/Xconfig.
!!
!! $Revision: 1.1 $
!!
!!#####
!!
!!
!! This file contains appearance and behaviour resources for the
Dtlogin
!! login screen. These are designed to be read into the root window
!! property via the 'xrdp' program. Dtlogin will do this automatically
!! after the server is reset and will remove them before the session
!! starts.
!!
!! Dtlogin contains internal default values for all resources. To
!! override a default value, uncomment the appropriate line below and
!! supply the desired value.
!!
!! Customization hints are included at the end of this file.
!!
!!
!!#####
!!
!! Motif visuals
!!

*XmCascadeButton*shadowThickness:      1
*XmDrawnButton*shadowThickness: 1
*XmPushButton*shadowThickness: 1
*XmPushButtonGadget*shadowThickness:    1
*XmText*shadowThickness: 1
*XmTextField*shadowThickness: 1
*enableButtonTab:      True
*enableDefaultButton:  True
*enableEtchedInMenu:   True
*enableMenuInCascade:  True
*enableMultiKeyBindings:      True
*enableToggleColor:    True
*enableToggleVisual:    True
*highlightThickness:    1

!!#####
!!

```

[illegible]

```

!! Dtlogin*greeting.foreground:      black
!! Dtlogin*greeting.background:      #a8a8a8
Dtlogin*greeting.labelString:        **DoD Warning Banner** \
\n Use of this or any other DoD interest computer system constitutes a
consent \
\n to monitoring at all times. This is a DoD interest computer system.
All DoD \
\n interest computer systems and related equipment are intended for the
\n
\n communication, transmission, processing, and storage of official
U.S. \
\n Government or other authorized information only. All DoD interest
computer \
\n systems are subject to monitoring at all times to ensure proper
functioning \
\n of equipment and systems including security devices and systems, to
prevent \
\n unauthorized use and violations of statutes and security
regulations, to \
\n deter criminal activity, and for other similar purposes. Any user of
a DoD \
\n interest computer system should be aware that any information placed
in the \
\n system is subject to monitoring and is not subject to any
expectation of \
\n privacy. If monitoring of this or any other DoD interest computer
system \
\n reveals possible evidence of violation of criminal statutes, this
evidence \
\n and any other related information, including identification
information \
\n about the user, may be provided to law enforcement officials. If
monitoring \
\n of this or any other DoD interest computer systems reveals
violations of \
\n security regulations or unauthorized use, employees who violate
security \
\n regulations or make unauthorized use of DoD interest computer
systems are \
\n subject to appropriate disciplinary action. Use of this or any other
DoD \
\n interest computer system constitutes a consent to monitoring at all
times.

```

```

Dtlogin*greeting.persLabelString:    Hello %s
!! Dtlogin*greeting.alignment:        ALIGNMENT_CENTER

```

```

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!
!!  Size of Text Input Area
!!

```

```

Dtlogin*login_text.columns:  20
Dtlogin*passwd_text.columns: 20

```

```
!!#####  
!!  
!!  MISC  
!!
```

Dtlogin*logo*bitmapFile: /etc/dt/config/C/logo.xpm

Dtlogin*preeditType:

```
!!#####  
!!  
!!  LANGUAGE MENU NAME MAPPINGS
```

```
#undef C  
Dtlogin*C.languageName: C  
Dtlogin*C.iso88591.languageName: C.ISO8859-1  
Dtlogin*POSIX.languageName: POSIX  
Dtlogin*arabic-w.languageName: Algerian.Arabic8  
Dtlogin*arabic.languageName: Arabic.Arabic8  
Dtlogin*arabic.iso88596.languageName: Arabic.ISO8859-6  
Dtlogin*bulgarian.languageName: Bulgarian.ISO8859-5  
Dtlogin*czech.languageName: Czech.ISO8859-2  
Dtlogin*danish.iso88591.languageName: Danish.ISO8859-1  
Dtlogin*danish.languageName: Danish.Roman8  
Dtlogin*german.iso88591.languageName: German.ISO8859-1  
Dtlogin*german.languageName: German.Roman8  
Dtlogin*greek.languageName: Greek.Greek8  
Dtlogin*greek.iso88597.languageName: Greek.ISO8859-7  
Dtlogin*english.iso88591.languageName: English-UK.ISO8859-1  
Dtlogin*english.languageName: English-UK.Roman8  
Dtlogin*american.iso88591.languageName: English-US.ISO8859-1  
Dtlogin*american.languageName: English-US.Roman8  
Dtlogin*spanish.iso88591.languageName: Spanish.ISO8859-1  
Dtlogin*spanish.languageName: Spanish.Roman8  
Dtlogin*finnish.iso88591.languageName: Finnish.ISO8859-1  
Dtlogin*finnish.languageName: Finnish.Roman8  
Dtlogin*c-french.iso88591.languageName: French-Canadian.ISO8859-1  
Dtlogin*c-french.languageName: French-Canadian.Roman8  
Dtlogin*french.iso88591.languageName: French.ISO8859-1  
Dtlogin*french.languageName: French.Roman8  
Dtlogin*serbocroatian.languageName: Croatian.ISO8859-2  
Dtlogin*hungarian.languageName: Hungarian.ISO8859-2  
Dtlogin*icelandic.iso88591.languageName: Icelandic.ISO8859-1  
Dtlogin*icelandic.languageName: Icelandic.Roman8  
Dtlogin*italian.iso88591.languageName: Italian.ISO8859-1  
Dtlogin*italian.languageName: Italian.Roman8  
Dtlogin*hebrew.languageName: Hebrew.Hebrew8  
Dtlogin*hebrew.iso88598.languageName: Hebrew.ISO8859-8  
Dtlogin*japanese.languageName: Japanese.SJIS  
Dtlogin*japanese.euc.languageName: Japanese.EUC  
Dtlogin*katakana.languageName: Japanese.KANA8  
Dtlogin*korean.languageName: Korean.EUC  
Dtlogin*dutch.iso88591.languageName: Dutch.ISO8859-1  
Dtlogin*dutch.languageName: Dutch.Roman8  
Dtlogin*norwegian.iso88591.languageName: Norwegian.ISO8859-1
```

[illegible]

!!

* _ * _ * _ * _ * _ *

| | *****

* * * * *

!!

!!

!! attributes. These include...

!!

- !!

!!

```
!! the appropriate widget and/or class.
```

```

**-- End Copying for Xresources File Above This Line --**

```

Step 2:

Create a file /etc/issue and place the following in it:

****-- Begin Copying for issue File Below This Line --****

****DoD Warning Banner****

Use of this or any other DoD interest computer system constitutes consent to monitoring at all times. This is a DoD interest computer system. All DoD interest computer systems and related equipment are intended for the communication, transmission, processing, and storage of official U.S. Government or other authorized information only. All DoD interest computer systems are subject to monitoring at all times to ensure proper functioning of equipment and systems including security devices and systems, to prevent unauthorized use and violations of statutes and security regulations, to deter criminal activity, and for other similar purposes. Any user of a DoD interest computer system should be aware that any information placed in the system is subject to monitoring and is not subject to any expectation of privacy. If monitoring of this or any other DoD interest computer system reveals possible evidence of violation of criminal statutes, this evidence and any other related information, including identification information about the user, may be provided to law enforcement officials. If monitoring of this or any other DoD interest computer systems reveals violations of security regulations or unauthorized use, employees who violate security regulations or make unauthorized use of DoD interest computer systems are subject to appropriate disciplinary action. Use of this or any other DoD interest computer system constitutes a consent to monitoring at all times.

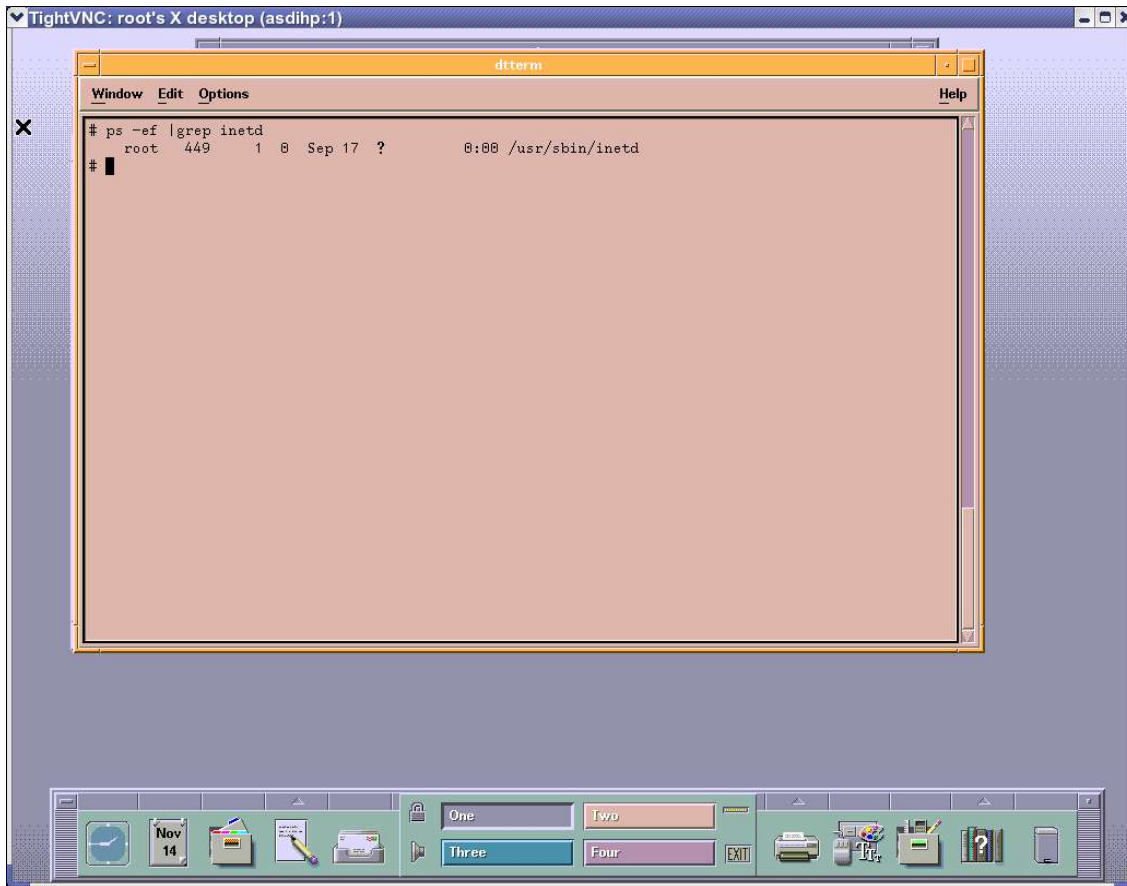
****-- End Copying for issue File Above This Line --****

Step 3:

Enable banners for telnet access to the system:

- a. Edit /etc/inetd.conf
- b. Append "-b /etc/issue" to the "telnet" entry.
(the line should end with "telnetd -b /etc/issue")
- c. From the command line, determine the Process ID (PID) for inetd:

Type "ps -ef |grep inetd". (The PID is the first number from the right. In the example below, it is 449)



d. Restart inetd to load your changes:

Type "kill -HUP <PID of inetd>"

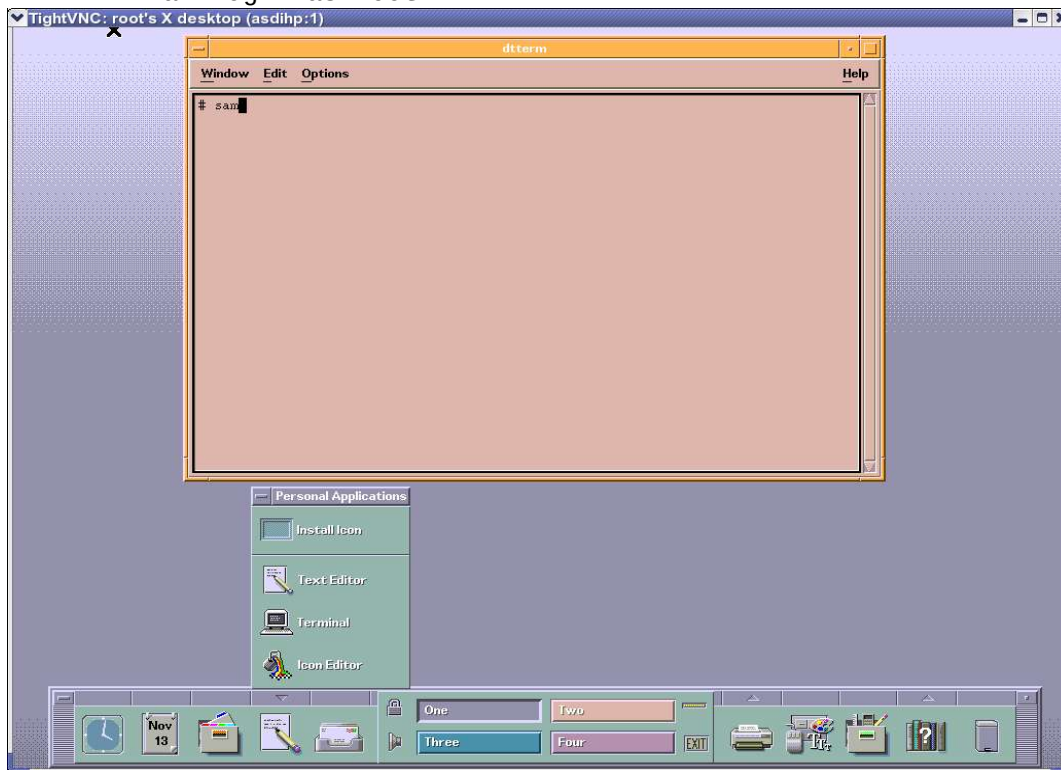
II. Disable access to the system PROM

- a. Reboot the system via the "reboot" command (you must be root to do this)
- b. During the boot process, you will be prompted with "to discontinue, press any key within 10 seconds" (press a key)
- c. Type "CO" (for the Configuration Menu)
- d. Type "SEC ON" (to enable secure boot mode)
- e. Type "BIN"
 - Verify that both Primary and Secondary boot devices have the same SCSI ID.
 - Check that the Secure flag is set to ON and auto search is OFF
- f. Type "RESET" to reboot the system with your changes enabled.

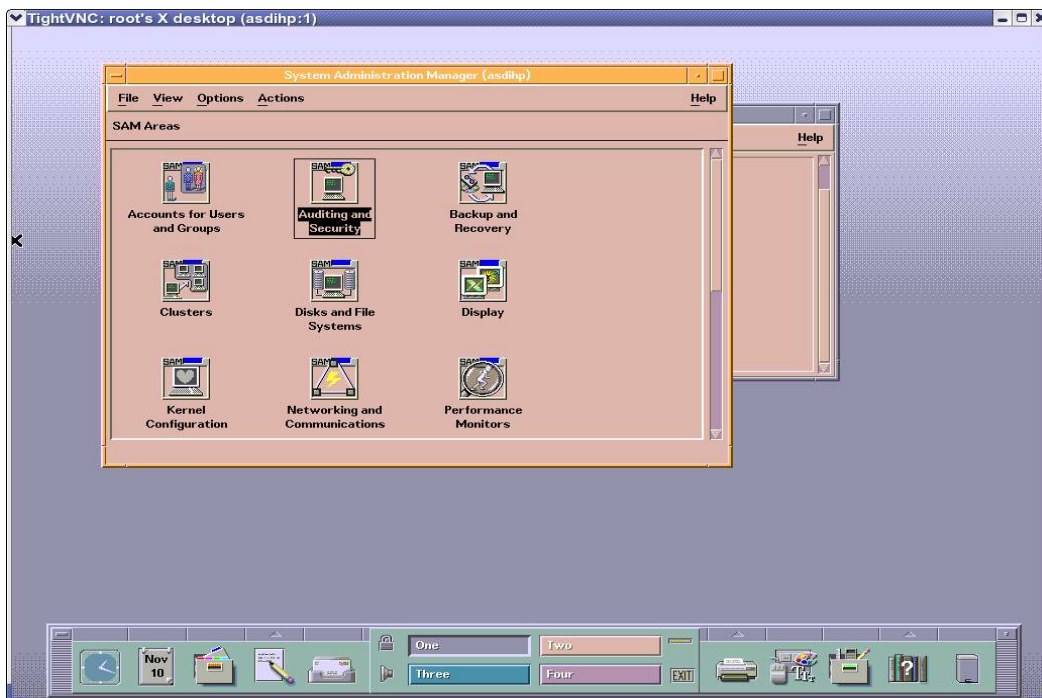
****To re-enable PROM access at a later time, shutdown the system and remove the hard disks. Re-boot the system and disable the "SEC OFF" command using the same steps as above, shut down the system again, replace the drives and restart the system****

III. Configure Auditing

a. Login as root



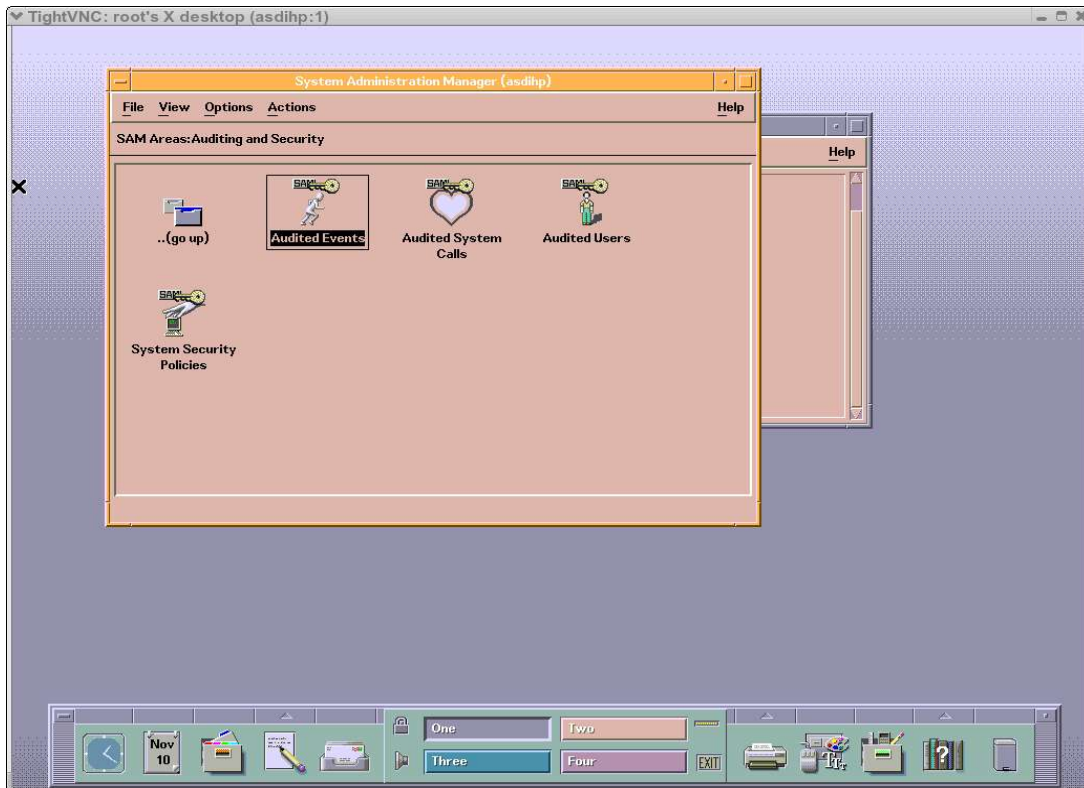
b. Open a terminal and type "sam" from within the terminal



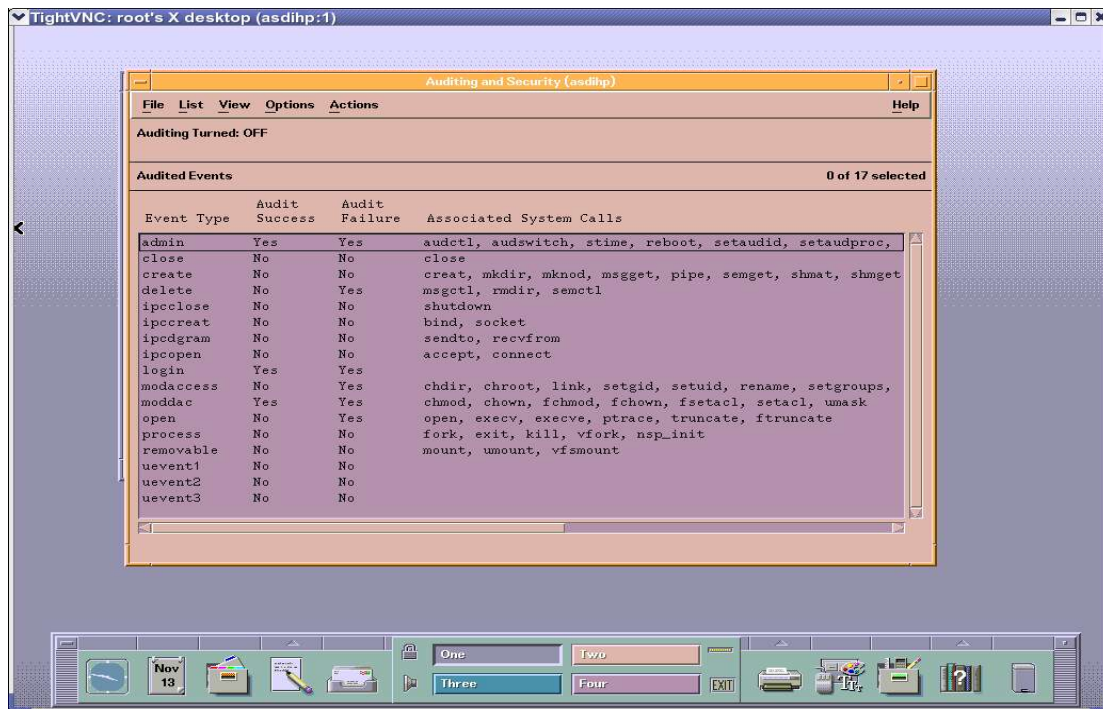
c. Select "Auditing and Security"

d. Select "Audited Events"

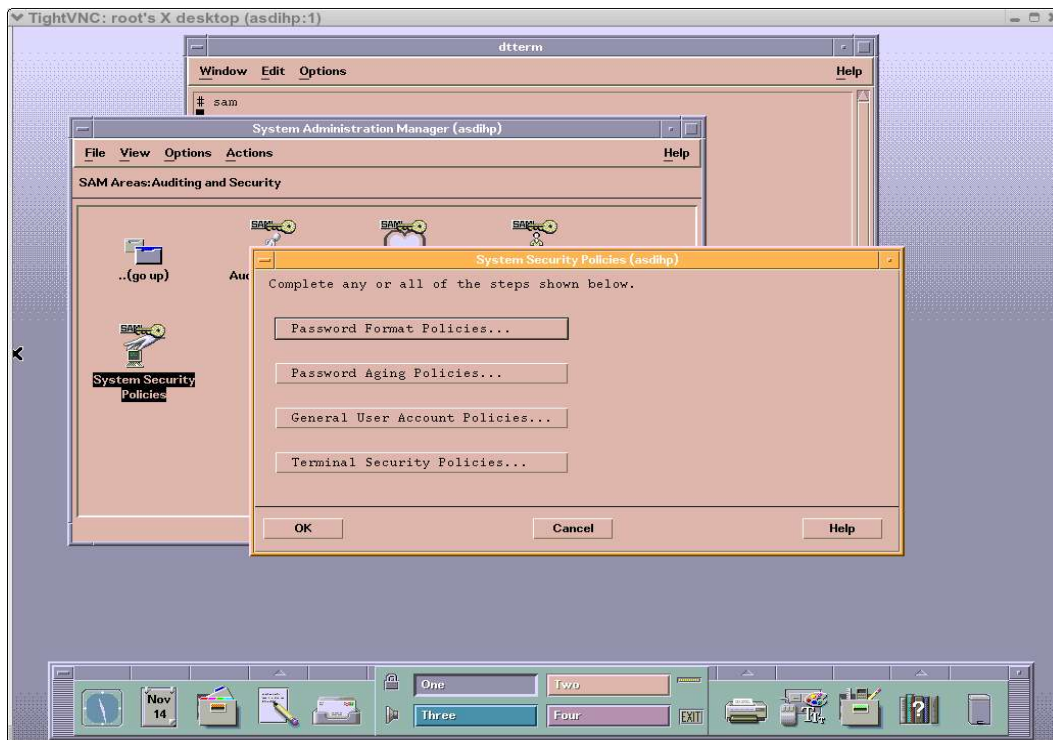
****If this is the first time you have done this or the "audnames" file does not exist, you will first be prompted if one should be created (select yes)****



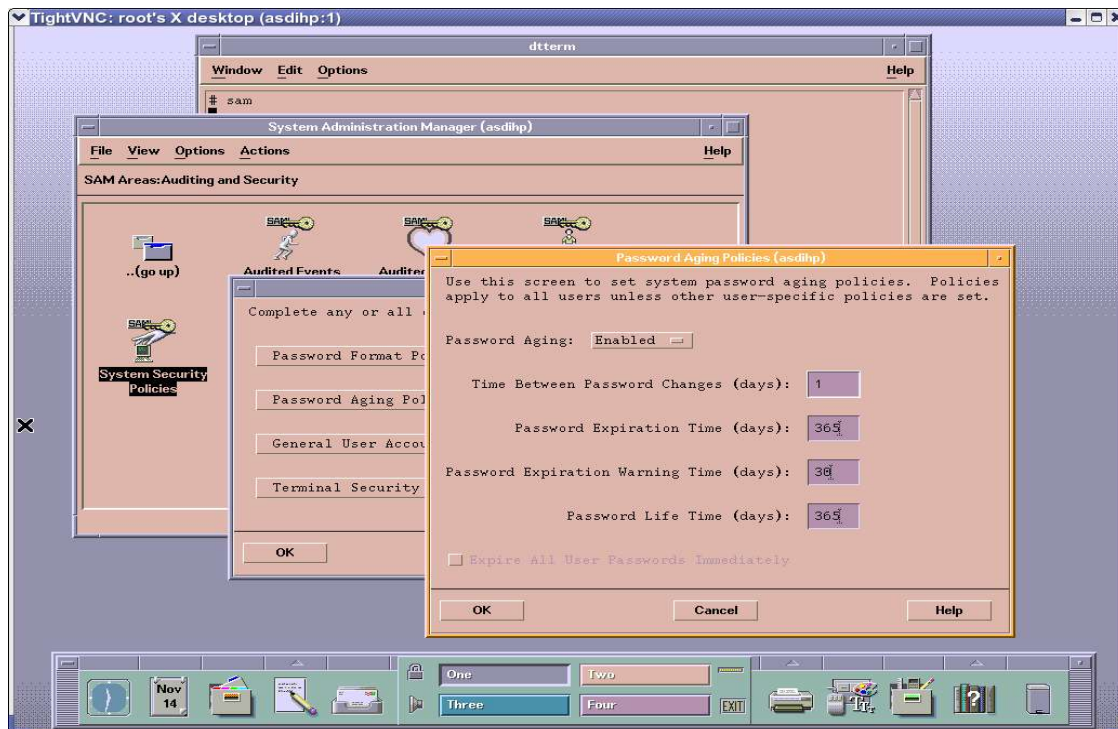
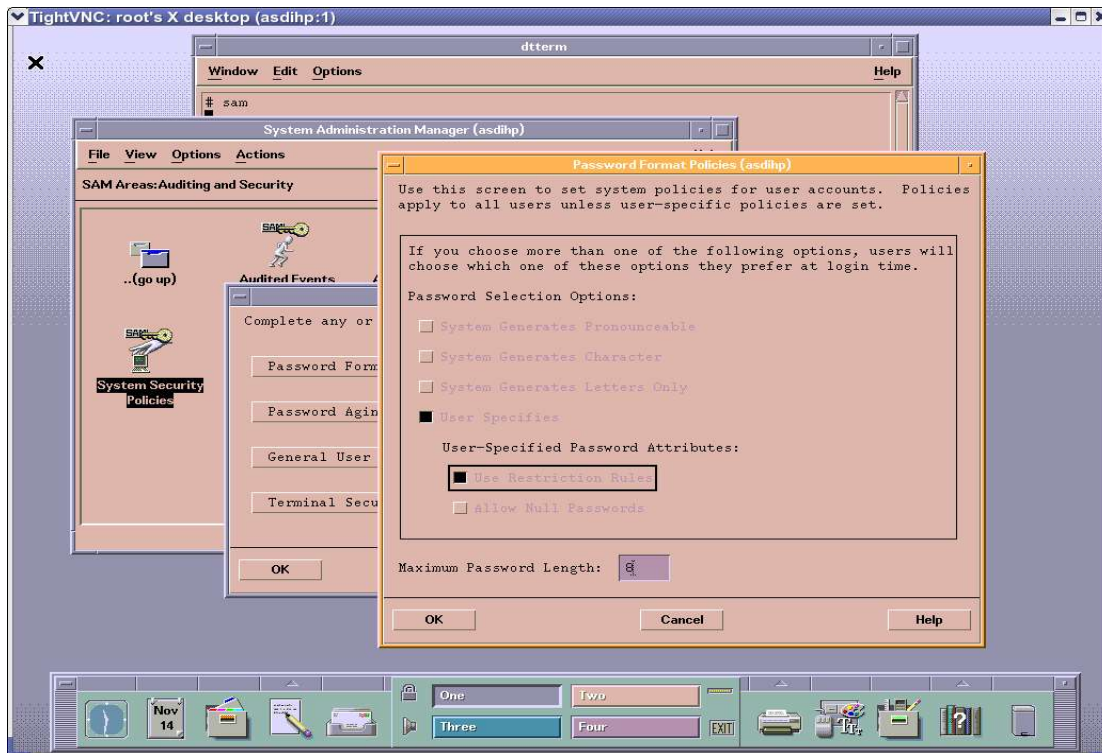
e. Make sure the following items are selected for auditing:
("Right Click" on the item to change its status)

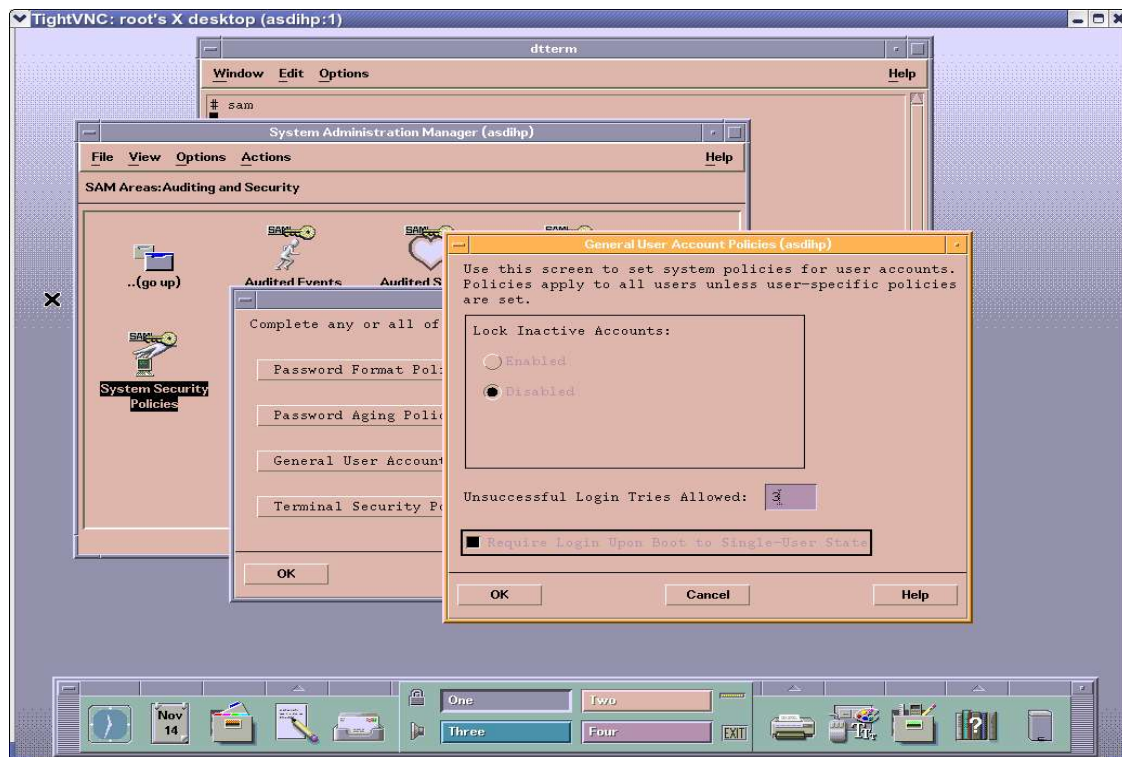


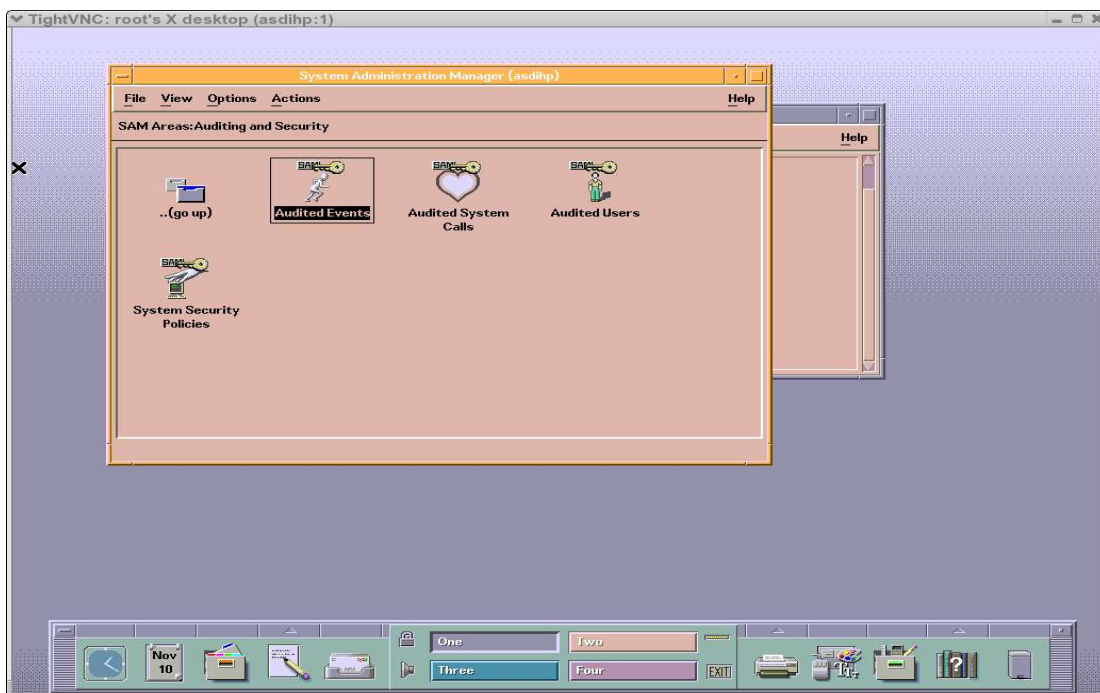
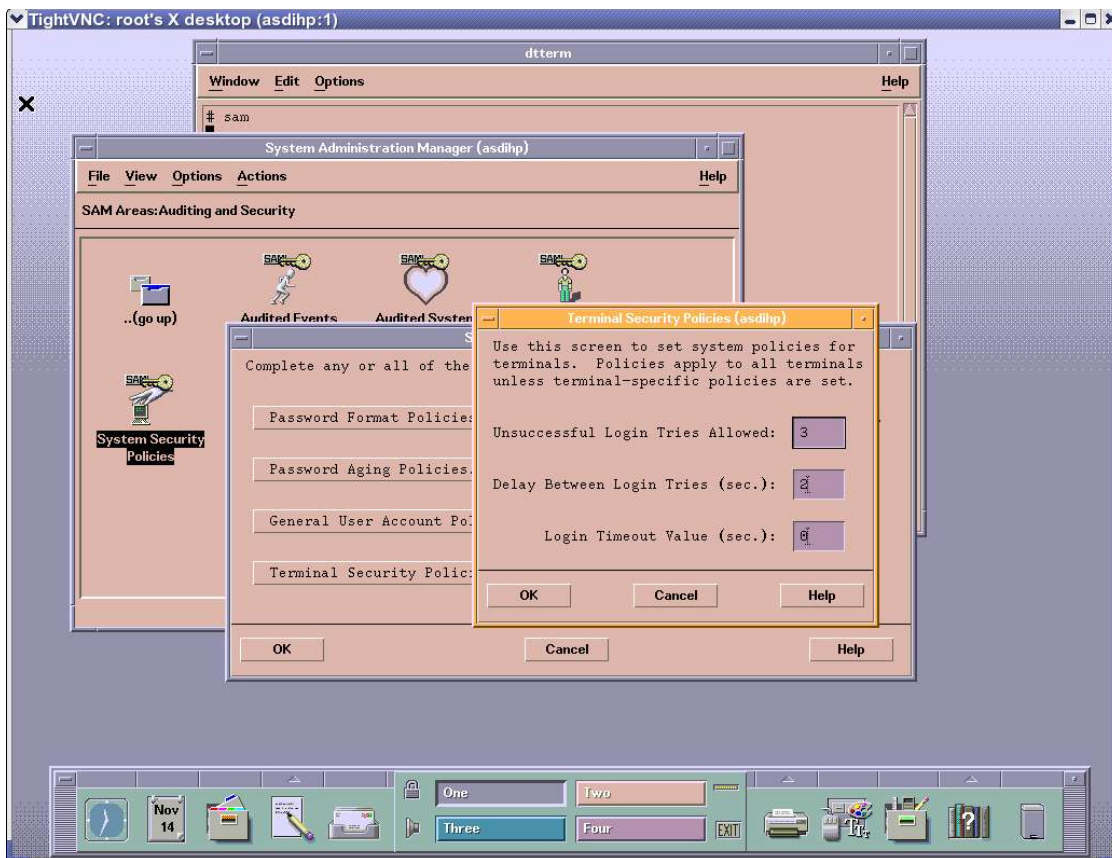
f. Select "System Security Policies" (Double Click)



g. Select "Password Format Policies", "Password Aging Policies", "General User Account Policies", and "Terminal Security Policies" and be sure they match the settings in the four images below:

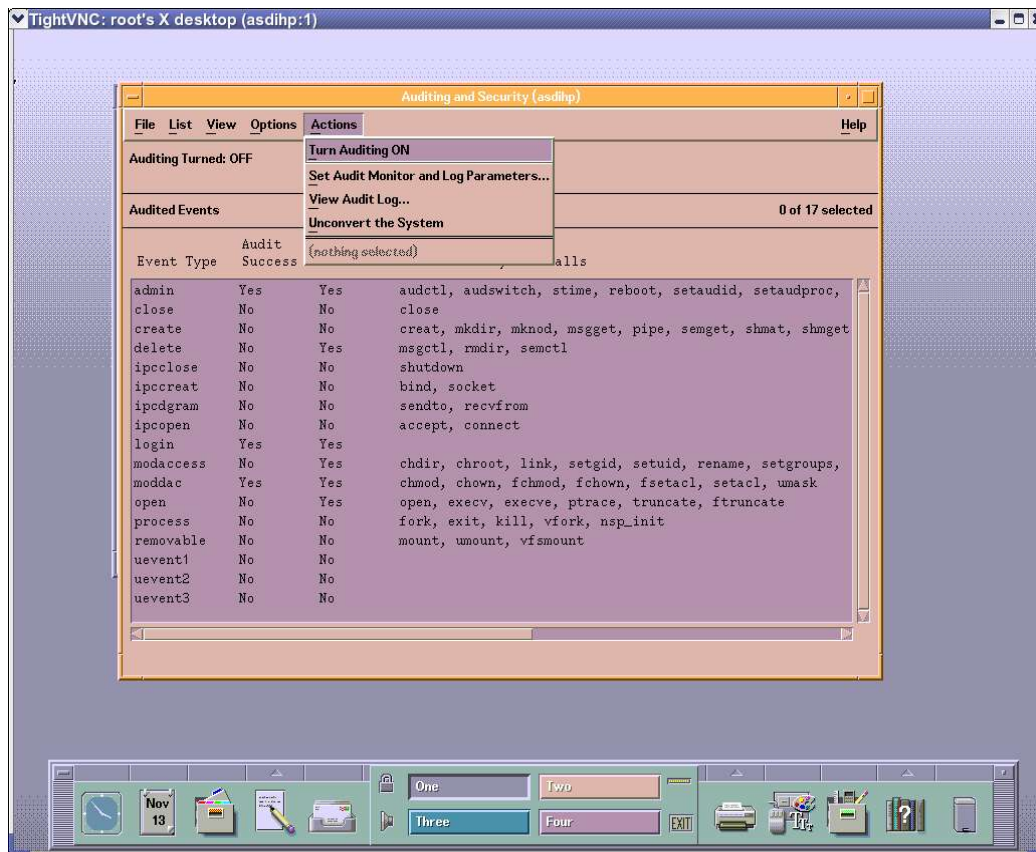






h. Select "Audited Events" Again

i. "Actions, Turn Auditing ON"



IV. Congratulations! You have finished.



Upcoming SANS Training

[Click Here for a full list of all Upcoming SANS Events by Location](#)

SANS Secure Caribbean 2026	Kingston, JM	Feb 16, 2026 - Feb 21, 2026	Live Event
SANS Surge 2026	La Jolla, CAUS	Feb 23, 2026 - Feb 28, 2026	Live Event
SANS Dublin February 2026	Dublin, IE	Feb 23, 2026 - Feb 28, 2026	Live Event
SANS Secure Japan 2026	Tokyo, JP	Mar 02, 2026 - Mar 14, 2026	Live Event
SANS London March 2026	London, GB	Mar 02, 2026 - Mar 07, 2026	Live Event
SANS DC Metro March 2026	Arlington, VAUS	Mar 02, 2026 - Mar 07, 2026	Live Event
SANS Secure Singapore 2026	Singapore, SG	Mar 02, 2026 - Mar 14, 2026	Live Event
SANS Paris March 2026	Paris, FR	Mar 09, 2026 - Mar 14, 2026	Live Event
SANS Open-Source Intelligence Summit 2026	Arlington, VAUS	Mar 16, 2026 - Mar 22, 2026	Live Event
SANS Thailand March 2026	Bangkok, TH	Mar 16, 2026 - Mar 21, 2026	Live Event
SANS Amsterdam March 2026	Amsterdam, NL	Mar 16, 2026 - Mar 21, 2026	Live Event
SANS Melbourne March 2026	Melbourne, VIC, AU	Mar 16, 2026 - Mar 21, 2026	Live Event
SANS Cybersecurity Leadership Summit & Training 2026	Arlington, VAUS	Mar 17, 2026 - Mar 22, 2026	Live Event
SANS 2026	Orlando, FLUS	Mar 29, 2026 - Apr 03, 2026	Live Event
SANS London April 2026	London, GB	Apr 13, 2026 - Apr 18, 2026	Live Event
SANS Rome April 2026	Rome, IT	Apr 13, 2026 - Apr 18, 2026	Live Event
SANS Secure Australia 2026	Canberra, ACT, AU	Apr 13, 2026 - Apr 18, 2026	Live Event
SANS Rocky Mountain 2026	Denver, COUS	Apr 20, 2026 - Apr 25, 2026	Live Event
SANS SEC535 at AI Cybersecurity Summit & Training 2026	Arlington, VAUS	Apr 20, 2026 - Apr 27, 2026	Live Event
SANS AI Cybersecurity Summit & Training 2026	Arlington, VAUS	Apr 20, 2026 - Apr 27, 2026	Live Event
SANS Amsterdam April 2026	Amsterdam, NL	Apr 20, 2026 - Apr 25, 2026	Live Event
SANS ICS Munich 2026	Munich, DE	Apr 20, 2026 - Apr 25, 2026	Live Event
SANS Doha April 2026	Doha, QA	Apr 26, 2026 - Apr 30, 2026	Live Event
SANS Cyber Incident Management 2026	OnlineAU	Feb 09, 2026 - Feb 13, 2026	Live Event
SANS OnDemand	Books & MP3s OnlyUS	Anytime	Self Paced