

The Open Group  
COE Platform Certification Program  
Chapter 8  
Audit Log File  
Validation Procedure

*Posix-Based Platform Compliance (PPC)*  
*COE Kernel revision level 4.5p6*

**June 02, 2003**  
**Revision 1.0**

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## 1. Overview

### 1.1 Introduction

This chapter defines the Audit Log File Manual Validation Procedure and is part of the required set of test procedures to be used in the certification of products to the Open Brand COE Platform Product Standard<sup>1</sup>.

## 2. Test Procedure

### 2.1 Scope

The Audit Log File Manager validation procedure is a *manual* test that provides a detailed test of the Audit Log File Manager.

### 2.2 Description of test items

The following functions will be exercised:

- A. **Login**
- B. **Verify Default Audit Log File Configuration Settings**
- C. **Create Sample Audit Log Files and Determine Disk Usage Parameters**
- D. **Verify Proper Monitoring of Log Files**
- E. **Verify Proper Monitoring of System Audit Log Files**
- F. **Verify Display Notification of Audit Log File Events**
- G. **Verify that Audit Log File Manager Settings are Preserved Upon Exiting**
- H. **Verify E-Mail Notification of Audit Log File Events**
- I. **Verify Audit Log Notification for 85% Disk Capacity Usage**
- J. **Verify that Audit Log Files are Properly Deleted**
- K. **Verify that the Defaults Button Properly Restores Default Values**
- L. **Restore the System to Original Settings**
- Z. **Log out.**

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<sup>1</sup> See <http://www.opengroup.org/openbrand/coe/>

### 2.3 Test Data/Media Required

None

### 2.4 Setup/Equipment Required

This test requires a Validation Host and Candidate Platform configured as specified in the current version of the *Template Setup Procedures for a COE Validation Cell* document.

### 2.5 Test Data/Media Required

None

### 2.6 Required Personnel

A single (1) tester will be required. The tester must be familiar with POSIX/UNIX application platforms, but need not be familiar with the Common Operating Environment (COE).

### 2.7 Change History

**June 02, 2003**

Initial Release

3. Test Procedure Submission Form

**Test Title: Audit Log File Manager Validation Procedure**

Candidate Platform: _____	Date: _____	
Tester: _____	Estimated Runtime: <u>2 hours</u> _____	
Start Time: _____	End Time: _____	Actual Runtime: _____
Test Site/Organization: _____	Overall Test Result (Circle One): PASS / FAIL	

<b><u>Configuration Validated</u></b>	
Hardware Platform: _____	System Software: _____
Network Type: _____	Printer: _____
Local Devices (if any): _____	

## ***Start of Validation Procedure***

### 4. Test Procedure

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>A</b>	<b>4.1 Login</b>		
<b>A.1</b>	<b>Log In As secman and Invoke the Audit Log File Manager</b>		
A.1.1	Log in as secman.	An informational window appears indicating that login processing is complete.	Startup
A.1.2	Click OK to dismiss the informational window.	The informational window closes.	Startup
A.1.3	Launch the Audit Log File Manager by selecting Applications > Application Manager > DII_APPS > SecAdm.	The Application Manager - SecAdm window appears.	Startup
A.1.4	Double-click Audit Log File Manager.	The Audit Log File Manager window appears.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>B</b>	4.2 Verify Default Audit Log File Configuration Settings		
<b>B.1</b>	<b>Verify the Monitored Log Files</b>		
B.1.1	Click Monitored Log Files....	The Log File(s) to Monitor dialog box appears, displaying a list of files.	Circle one: PASS / FAIL
B.1.2	Write down the pathname of the first file listed in the dialog box.	Pathname of the first file listed in the dialog box: _____	Setup
B.1.3	Check the total size shown in the text box at the bottom of the dialog box (the number after the slash). <b>NOTE:</b> If the total size shown is less than 2 kilobytes, log out and in several times in order to increase the log file content. Then, restart step A.1.3.	The total size shown is more than 2 kilobytes.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
B.1.4	<p>Verify that the following files are listed, each preceded by a checked checkbox and followed by its size in kilobytes:</p> <p>/var/adm/utmp  /var/adm/utmpx  /var/adm/wtmp  /var/adm/wtmpx</p> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	The /var/adm/utmp, /var/adm/utmpx, /var/adm/wtmp, and /var/adm/wtmpx files are listed.	Circle one: PASS / FAIL
B.1.5	Click Cancel.	The Log File(s) to Monitor dialog box is dismissed.	Circle one: PASS / FAIL
<b>B.2</b>	<b>Verify the Monitored System Files</b>		
B.2.1	Click Monitored System Files ....	The System Audit File(s) to Monitor dialog box appears, displaying a list of files.	Circle one: PASS / FAIL
B.2.2	Write down the pathname of the first file or directory listed in the dialog box.	Pathname of the first file or directory listed in the dialog box: _____	Setup



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
B.2.3	<p>Verify that the following directories are listed, each followed by its size in kilobytes (you may need to use the scrollbars to see them):</p> <p><code>/security1</code> (grayed out, preceded by a checked checkbox and followed by an indented list of 0 or more files and their sizes)</p> <p><code>/security2</code> (grayed out, preceded by a checked checkbox and followed by an indented list of 0 or more files and their sizes)</p> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	The <code>/security1</code> and <code>/security2</code> directories are listed.	Circle one: PASS / FAIL
B.2.4	Click Cancel.	The System Audit File(s) to Monitor dialog box is dismissed.	Circle one: PASS / FAIL
<b>C</b>	<b>4.3 Create Sample Audit Log Files and Determine Disk Usage Parameters</b>		
<b>C.1</b>	<b>Open A Terminal Window and Create All Files</b>		
C.1.1	Open a Terminal window.	A Terminal window appears with a command line prompt.	Setup
C.1.2	At the command prompt type <code>su -</code>	The Password prompt returns.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.1.3	Enter the root password.	User root is logged in.	Setup
C.1.4	At the command prompt type csh	A csh prompt is displayed.	Setup
C.1.5	At the command prompt type mkdir /fred_1 mkfile 100b /fred_1/test_1 mkfile 100b /fred_1/test_2 mkfile 100b /fred_2  <b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.	The command prompt returns.	Circle one: PASS / FAIL
<b>C.2</b>	<b>Determine Disk Usage Parameters</b>		
C.2.1	At the command prompt type df -k  <b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.	A list of disk usage parameters appears.	Circle one: PASS / FAIL
C.2.2	Write down the disk usage ( <i>used</i> column), and the available capacity ( <i>avail</i> column) of the partition(s) on which the two files you wrote down earlier reside. These partition(s) will be referred to later as the <i>test</i>	Test Partitions (e.g. /var and /security1):	Setup
		Available capacity ( <i>avail</i> column):	

	Operator Action	Expected Result		Observed Result
	<i>partitions.</i>			
		Disk usage (used column):		
C.2.3	<p>For each of the test partition(s) from the step above, determine the number of disk blocks that would be required to fill the partition to 76% of its capacity.</p> <p>Use the formula: <math>((1.52 * avail) - (0.48 * used))</math>, rounded up to the next integer value.</p> <p>For example: If the <code>/var</code> partition is one of the test partitions, and 301,132 kilobytes are used and 218,484 kilobytes are available, to fill it to about 76% capacity would require:</p> <p><math>(1.52 \times 218484) - (0.48 \times 301132)</math> blocks, or 187552.32 blocks.</p>	<p>Number of disk blocks required for 76% fill:  <b>NOTE:</b> Blocks on Solaris are 512 bytes (or ½ kilobyte.)</p>		Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
C.2.4	<p>Create a file named <code>fill</code> in the top directory of <i>each</i> of the test partitions, with the size(s) computed in the previous step, using the following command:</p> <pre>mkfile &lt;blks&gt;b /&lt;part&gt;/fill</pre> <p>Where <code>&lt;part&gt;</code> is the name of the test partition and <code>&lt;blks&gt;</code> is the number of disk blocks required for 76% fill.</p> <p>For example: Type</p> <pre>mkfile 187553b /var/fill</pre> <p>to push the <code>/var</code> partition to over 75% of its capacity.</p> <p><b>NOTE:</b> The commands may take some time to execute, depending on the size specified and the speed of the target system.</p> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	<p>The command prompt returns.</p>	<p>Setup</p>
C.2.5	<p>At the command prompt type</p> <pre>df -k</pre> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	<p>In the capacity column, the output shows each of the test partitions using at least 76% disk space.</p> <p><b>NOTE:</b> If the test partitions are not using 76% disk space, double-check your calculations and repeat steps C.2.2 and C.2.3.</p>	<p>Setup</p>

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>D</b>	<b>4.4 Verify Proper Monitoring Of Log Files</b>		
<b>D.1</b>	<b>Modify the Audit Log File List</b>		
D.1.1	In the Audit Log File Manager window, Click Modify Log File List ....	The Modify Log File List dialog box appears with any empty text area.	Circle one: PASS / FAIL
D.1.2	In the Modify Log File List dialog box, Click Add File ....	The Input dialog box appears with the following prompt: Enter Log File to Monitor:	Circle one: PASS / FAIL
D.1.3	Type /fred_1 in the Input dialog box.	The text /fred_1 appears in the Input dialog box.	Circle one: PASS / FAIL
D.1.4	Click OK.	The Input dialog box is dismissed. The text /fred_1 appears in the Modify Log File List dialog box text area.	Circle one: PASS / FAIL
D.1.5	In the Modify Log File List dialog box, Click Add File ....	The Input dialog box appears with the following prompt: Enter Log File to Monitor:	Circle one: PASS / FAIL
D.1.6	Type /fred_2 in the Input dialog box.	The text /fred_2 appears in the Input dialog box.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
D.1.7	Click OK.	The Input dialog box is dismissed. Both /fred_1 and /fred_2 appear in the Modify Log File List dialog box text area.	Circle one: PASS / FAIL
D.1.8	Click Quit.	The Modify Log File List dialog box is dismissed.	Circle one: PASS / FAIL
D.1.9	Click Monitored Log Files....	The Log File(s) to Monitor dialog box appears, displaying a list of files.	Circle one: PASS / FAIL
D.1.10	In the Log File(s) to Monitor dialog box, verify the following information:  /fred_1 (dir: ### Kb) is listed near the bottom, with ### replaced by a number slightly greater than 100. A check box (without a checkmark) precedes the directory name.  (50 Kb) test_1 is listed next (indented). (50 Kb) test_2 is listed next (indented).  /fred_2 (50 Kb) is listed next. A check box (without a checkmark) precedes the file name.	All information is listed as indicated.	Circle one: PASS / FAIL
D.1.11	Write down the files and/or directories <i>which follow checkmarks</i> in the window along with their sizes. These will be referred to later as the <i>log file list</i> . This list should not include the files listed under directories.	Log file list:	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
D.1.12	Write down the first number listed in the Selected/Total Size text box for later use (it will be called the <i>log file total</i> ).	Log file total:	Setup
D.1.13	Verify that the second number is greater than the first number by the sum of the kilobytes listed after the /fred_1 directory and the /fred_2 file.	The second number is greater than the first number by the sum of the kilobytes listed after the /fred_1 directory and the /fred_2 file.	Circle one: PASS / FAIL
D.1.14	Set the checkmarks for both /fred_1 and /fred_2.	The numbers displayed in the Selected/Total Size text box become equal.	Circle one: PASS / FAIL
D.1.15	Click OK.	The Log File(s) to Monitor dialog box is dismissed.	Circle one: PASS / FAIL
<b>E</b>	<b>4.5 Verify Proper Monitoring Of System Audit Log Files</b>		
<b>E.1</b>	<b>Modify the System Audit File List</b>		
E.1.1	In the Audit Log File Manager window, Click Modify System File List....	The Modify System Audit File List dialog box appears with any empty text area.	Circle one: PASS / FAIL
E.1.2	In the Modify System Audit File List dialog box, Click Add File ....	The Input dialog box appears with the following prompt:  Enter System File to Monitor:	Circle one: PASS / FAIL
E.1.3	Type /fred_1 in the Input dialog box.	The text /fred_1 appears in the Input dialog box.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
E.1.4	Click OK.	The Input dialog box is dismissed. The text /fred_1 appears in the Modify System Audit File List dialog box text area.	Circle one: PASS / FAIL
E.1.5	In the Modify System Audit File List dialog box, Click Add File ....	The Input dialog box appears with the following prompt: Enter System File to Monitor:	Circle one: PASS / FAIL
E.1.6	Type /fred_2 in the Input dialog box.	The text /fred_2 appears in the Input dialog box.	Circle one: PASS / FAIL
E.1.7	Click OK.	The Input dialog box is dismissed. Both /fred_1 and /fred_2 appear in the Modify System Audit File List dialog box text area.	Circle one: PASS / FAIL
E.1.8	Click Quit.	The Modify Log File List dialog box is dismissed.	Circle one: PASS / FAIL
E.1.9	Click Monitored System Files....	The System Audit File(s) to Monitor dialog box appears, displaying a list of files.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
E.1.10	<p>In the System Audit File(s) to Monitor dialog box, verify the following information:</p> <p>/fred_1 (dir: ### Kb) is listed near the bottom, with ### replaced by a number slightly greater than 100. A check box (without a checkmark) precedes the directory name.</p> <p>(50 Kb) test_1 is listed next (indented).</p> <p>(50 Kb) test_2 is listed next (indented).</p> <p>/fred_2 (50 Kb) is listed next. A check box (without a checkmark) precedes the file name.</p>	All information is listed as indicated.	Circle one: PASS / FAIL
E.1.11	<p>Write down the files and/or directories <i>which follow checkmarks</i> in the window along with their sizes. These will be referred to later as the <i>system audit file list</i>. This list should not include the files listed under directories.</p>	System audit file list:	Setup
E.1.12	<p>Write down the first number listed in the Selected/Total Size text box for later use (it will be called the <i>system audit file total</i>).</p>	System audit file total:	Setup
E.1.13	<p>Verify that the second number is greater than the first number by the sum of the kilobytes listed after /fred_1 and /fred_2.</p>	The second number is greater than the first number by the sum of the kilobytes listed after /fred_1 and /fred_2.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
E.1.14	Set the checkmark for /fred_2.	The Selected/Total Size text box changes appropriately (The two displayed values should now differ by the kilobyte size of the /fred_1 directory).	Circle one: PASS / FAIL
E.1.15	Click OK.	The System Audit File(s) to Monitor dialog box is dismissed.	Circle one: PASS / FAIL
<b>F</b>	<b>4.6 Verify Display Notification Of Audit Log File Events</b>		
<b>F.1</b>	<b>Set the Audit Log File Manager Parameters</b>		
F.1.1	In the Audit Log File Manager window, Click the Enable radio button next to the Log File Manager: label.	The Enable radio button next to the Log File Manager: label is selected.	Circle one: PASS / FAIL
F.1.2	Determine the time of the next coming hour (i.e. 4:00) and set the Execution Time drop-down selection box to that time.	The Execution Time drop-down selection box is set to the time of the next coming hour.	Circle one: PASS / FAIL
F.1.3	Set the Issue Disk Capacity Warning check box, and set the associated drop-down selection value to 75%.	The Issue Disk Capacity Warning check box is enabled and the value is set to 75%.	Circle one: PASS / FAIL
F.1.4	Set the Notify when total size of monitored log files exceeds text box to the log file total noted earlier, <i>plus 1</i> .	The Notify when total size of monitored log files exceeds text box is set to the log file total plus 1.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.1.5	Set the Notify when total size of system audit files exceeds text box to the system audit file total noted earlier, <i>plus 1</i> .	The Notify when total size of system audit files exceeds text box is set to the system audit file total plus 1.	Circle one: PASS / FAIL
F.1.6	Click the Enable radio button next to the Popup Notification label.	The Enable radio button next to the Popup Notification label is selected.	Circle one: PASS / FAIL
F.1.7	Set the Email Notification text box to blank.	The Email Notification text box is blank.	Circle one: PASS / FAIL
F.1.8	In the Audit Log File Manager window, Click Apply.	The Audit Log File Manager window remains visible.	Circle one: PASS / FAIL
F.1.9	In the Terminal window, type date	The system date and time are displayed.	Setup

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>F.2</b>	<b>Mark All E-Mail Messages As Read</b>		
F.2.1	<p>Determine if there is new e-mail by one of the following conditions.</p> <p>A small arrow above the envelope icon on the COE desktop taskbar is highlighted.</p> <p>The envelope pops up in the mail tray.</p> <p>If neither of these conditions is true, then no new e-mail is available, skip to step F.2.4.</p>	<p>If the icon is highlighted, new e-mail is available. Otherwise, no new e-mail is available. Either condition is acceptable.</p>	Setup
F.2.2	<p>If there is new e-mail, launch the mail tool by clicking on the envelope icon, clicking on each of the current messages until all have been read.</p>	<p>The mail client opens and all messages are marked as read.</p>	Setup
F.2.3	<p>Close the mail client window.</p>	<p>The mail client window is dismissed.</p>	Setup
F.2.4	<p>Wait until one minute before the top of the hour (in system time). At the top of the hour the following message window should pop up.</p>	<p>An INFORMATIONAL MESSAGE dialog box appears with the following message:</p> <p>Message from COELogFileManager:  The following file system(s)  containing logs have exceeded the  75% usage threshold specified in  Audit Log File Manager:</p> <p>The message is followed by a list of the test partitions that were deliberately oversized earlier and their usage percentages.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.2.5	Click OK.	<p>The INFORMATIONAL MESSAGE dialog box is dismissed.</p> <p>A second INFORMATIONAL MESSAGE dialog box appears with the following message:</p> <p>Message from COELogFileManager:  The following monitored log file(s) have exceeded the ### Kb cumulative disk usage threshold specified in Audit Log File Manager:</p> <p>The message is followed by a list of files identical to those written earlier as the log file list (plus /fred_1 and /fred_2) and their sizes in kilobytes.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
F.2.6	Click OK.	<p>The INFORMATIONAL MESSAGE dialog box is dismissed.</p> <p>A third INFORMATIONAL MESSAGE dialog box appears with the following message:</p> <p>Message from COELogFileManager: The following monitored system audit file(s) have exceeded the ### Kb cumulative disk usage threshold specified in Audit Log File Manager:</p> <p>The message is followed by a list of files identical to those written earlier as the system audit file list (plus /fred_2) and their sizes in kilobytes.</p>	Circle one: PASS / FAIL
F.2.7	Click OK.	<p>The INFORMATIONAL MESSAGE dialog box is dismissed.</p> <p>No further INFORMATIONAL MESSAGE dialog boxes appear.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>G</b>	4.7 Verify That Audit Log File Manager Settings Are Preserved Upon Exiting		
<b>G.1</b>	<b>Record All Settings</b>		

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
G.1.1	Write down the current settings in the Audit Log File Manager window.	Settings in the Audit Log File Manager window: Log File Manager: <input type="checkbox"/> Enable <input type="checkbox"/> Disable Execution Time: Once each day Issue Disk Capacity Warning: <input type="checkbox"/> Checked <input type="checkbox"/> Unchecked Capacity: % Used Notify when total size of monitored log files exceeds:  Notify when total size of system audit files exceeds:  Popup Notification: <input type="checkbox"/> Enable <input type="checkbox"/> Disable Email Notification:	Setup
G.2	<b>Close and Restart the Audit Log File Manager</b>		



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
G.2.1	In the Audit Log File Manager window, click OK.	The Audit Log File Manager window closes.	Circle one: PASS / FAIL
G.2.2	From the Application Manager - SecAdm window, restart the Audit Log File Manager by double-clicking Audit Log File Manager.	The Audit Log File Manager window appears with all settings unchanged from the settings made earlier.	Circle one: PASS / FAIL
<b>H</b>	<b>4.8 Verify E-Mail Notification Of Audit Log File Events</b>		
<b>H.1</b>	<b>Set the Audit Log File Manager Parameters</b>		
H.1.1	Click the Disable radio button next to the Popup Notification label.	The Disable radio button next to the Popup Notification label is selected.	Circle one: PASS / FAIL
H.1.2	In the Email Notification text box, type secman@localhost	The Email Notification text box displays secman@localhost	Circle one: PASS / FAIL
H.1.3	In the Audit Log File Manager window, Click Apply.	The Audit Log File Manager window remains visible.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>H.2</b>	<b>Mark All E-Mail Messages As Read</b>		
H.2.1	<p>Determine if there is new e-mail by one of the following conditions.</p> <p>A small arrow above the envelope icon on the COE desktop taskbar is highlighted.</p> <p>The envelope pops up in the mail tray.</p> <p>If neither of these conditions is true, then no new e-mail is available.</p>	<p>If the icon is highlighted, new e-mail is available. Otherwise, no new e-mail is available.</p>	Setup
H.2.2	If there is new e-mail, launch the mail tool by clicking on the envelope icon, clicking on each of the current messages until all have been read.	The mail client opens and all messages are marked as read.	Setup
H.2.3	Select Mailbox > Close.	The mail client window is dismissed.	Setup
H.2.4	<p>In the Terminal window, type</p> <pre>/h/AcctGrps/SecAdm/bin/COELogFileManager &amp;</pre>	<p>The command prompt reappears with no error messages.</p> <p><b>NOTE:</b> A process ID number may appear in the terminal window.</p> <p><b>NOTE:</b> You may safely ignore error messages with the form:</p> <pre>ERROR: Environment var XXXX not defined</pre>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
H.2.5	Wait one minute.	<p>No popup dialog boxes appear.</p> <p>On the CDE taskbar, the small arrow above the envelope icon is highlighted (indicating that new e-mail is now available).</p> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	Circle one: PASS / FAIL
H.2.6	Launch the mail tool by clicking on the mail tray icon.	<p>Three new messages appear in the inbox, each sent by root with the subject</p> <p>COELogFileManager disk usage warning</p> <p><b>NOTE:</b> If no messages are listed in Inbox, click Get Msg.</p>	Circle one: PASS / FAIL
H.2.7	In the mail client window, Click each of the three new messages, in order, and verify that their contents are identical to the earlier generated INFORMATIONAL MESSAGE dialog boxes.	The contents of the mail messages are identical to the earlier generated INFORMATIONAL MESSAGE dialog boxes.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>I</b>	<b>4.9 Verify Audit Log Notification For 85% Disk Capacity Usage</b>		
<b>I.1</b>	<b>Set the Disk Capacity Audit To 85%</b>		
I.1.1	At the root terminal window prompt type df -k  <b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.	All test partitions are less than 85% full.  <b>NOTE:</b> If any test partition is more than 85% full, back up or delete files to ensure that the partition becomes less than 85% full.	Circle one: PASS / FAIL
I.1.2	In the Audit Log File Manager window, select the Issue Disk Capacity Warning check box, if necessary, so that it contains a checkmark, and set the Capacity % Used drop-down selection value to 85%.	The Issue Disk Capacity Warning check box is enabled and the value is set to 85%.	Circle one: PASS / FAIL
<b>I.2</b>	<b>Verify Audit Log Notification</b>		
I.2.1	Click Monitored System Files....	The System Audit File(s) to Monitor dialog box appears, displaying a list of files.	Circle one: PASS / FAIL
I.2.2	Clear the check box for /fred_2.	The /fred_2 check box is disabled.	Circle one: PASS / FAIL
I.2.3	Click OK.	The System Audit File(s) to Monitor dialog box is dismissed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.2.4	In the Audit Log File Manager window, Click the Enable radio button next to the Popup Notification text label.	The Enable radio button next to the Popup Notification label is selected.	Circle one: PASS / FAIL
I.2.5	Clear the Email Notification text box.	The Email Notification text box is blank.	Circle one: PASS / FAIL
I.2.6	Click Apply.	The Audit Log File Manager window remains visible.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
I.2.7	<p>In the Terminal window, type</p> <pre>/h/AcctGrps/SecAdm/bin/COELogFileManager &amp;</pre> <p><b>NOTE:</b> The following message may also appear depending on the size of the monitored system audit file(s).</p> <pre>Message from COELogFileManager: The following monitored system audit files(s) have exceeded the ### Kb cumulative disk usage threshold specified in Audit Log File Manager:</pre>	<p>The command prompt reappears with no error messages.</p> <p><b>NOTE:</b> A process ID number may appear in the terminal window.</p> <p><b>NOTE:</b> You may safely ignore error messages with the form:</p> <pre>ERROR: Environment var XXXX not defined</pre> <p>An INFORMATIONAL MESSAGE dialog box appears with the following message:</p> <pre>Message from COELogFileManager: The following monitored log file(s) have exceeded the ### Kb cumulative disk usage threshold specified in Audit Log File Manager:</pre> <p>The message is followed by a list of files identical to those written earlier as the log file list and their sizes in kilobytes.</p>	Circle one: PASS / FAIL
I.2.8	Click OK.	<p>The INFORMATIONAL MESSAGE dialog box is dismissed.</p> <p>No further INFORMATIONAL MESSAGE dialog boxes appear.</p>	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>J</b>	<b>4.10 Verify That Audit Log Files Are Properly Deleted</b>		
<b>J.1</b>	<b>Delete the Sample Audit Log Files</b>		
J.1.1	In the Audit Log File Manager window, Click Delete Log File(s)....	The Log File(s) to Delete dialog box appears, with no checkboxes checked. Verify that it contains all of the files from the log file list determined earlier.	Circle one: PASS / FAIL
J.1.2	Select the /fred_1 check box.	A checkmark appears next to /fred_1.	Circle one: PASS / FAIL
J.1.3	Click Delete.	The Log File(s) to Delete dialog box is dismissed.	Circle one: PASS / FAIL
J.1.4	In the Audit Log File Manager window, Click Delete System File(s)....	The System Audit File(s) to Delete dialog box appears, with no checkboxes selected. The dialog box contains all of the files from the system audit file list determined earlier. The /fred_1 directory no longer contains any files and is much smaller (approximately 1 Kb).	Circle one: PASS / FAIL
J.1.5	Select the /fred_2 check box.	A checkmark appears next to /fred_2.	Circle one: PASS / FAIL
J.1.6	Click Delete.	The System Audit File(s) to Delete dialog box is dismissed.	Circle one: PASS / FAIL

	Operator Action	Expected Result	Observed Result
<b>J.2</b>	<b>Verify That the Files Are Deleted</b>		
J.2.1	In the Audit Log File Manager window, Click Delete System File(s)....	The System Audit File(s) to Delete dialog box appears, with no checkboxes selected.  The dialog box contains all of the files from the system audit file list determined earlier.  The /fred_1 directory no longer contains any files and is much smaller (approximately 1 Kb), and the /fred_2 file indicates 0 Kb.	Circle one: PASS / FAIL
J.2.2	Determine whether any of the listed system audit log files (in the System Audit File(s) to Delete dialog box) contain the substring not_terminated in the file name.  <b>NOTE:</b> If there are no files containing the substring not_terminated in the file name, the test does not fail. Skip to step K.	Zero or more system audit log files contain the substring not_terminated in the file name.	Circle one: PASS / FAIL
J.2.3	Select the check box next to the parent directory of one of the files containing not_terminated in the file name.	A checkmark appears next to the parent directory.	Circle one: PASS / FAIL
J.2.4	Click Delete.	The System Audit File(s) to Delete dialog box is dismissed.	Circle one: PASS / FAIL



	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
J.2.5	In the Audit Log File Manager window, Click Delete System File(s)....	The System Audit File(s) to Delete dialog box appears, with no checkboxes selected.  All files associated with the previously deleted directory have disappeared, with the exception of the files with the substring not_terminated in the file name.	Circle one: PASS / FAIL
J.2.6	Click Cancel button.	The System Audit File(s) to Delete dialog box is dismissed.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
<b>K</b>	<b>4.11 Verify That the Defaults Button Properly Restores Default Values</b>		
<b>K.1</b>	<b>Check the Audit Log File Manager Defaults</b>		
K.1.1	In the Audit Log File Manager window, click Defaults.	Verify that the Audit Log File Manager window displays the following settings: Log File Manager: Disable Execution Time: 14:00 Issue Disk Capacity Warning: 85% Used Notify when total size of monitored files exceeds: 500 Kb Notify when total size of system audit files exceeds: 500 Kb Popup Notification: Disable Email Notification: secman@localhost.	Circle one: PASS / FAIL
<b>L</b>	<b>4.12 Restore the System To Original Settings</b>		
<b>L.1</b>	<b>Remove All Sample Audit Log Files</b>		
L.1.1	In the Audit Log File Manager window, click the OK button.	The Audit Log File Manager window closes.	Circle one: PASS / FAIL

	<b>Operator Action</b>	<b>Expected Result</b>	<b>Observed Result</b>
L.1.2	To remove the /fred_1 directory, in the Terminal window, type <pre>rm -rf /fred_1</pre> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	The command prompt returns.	Cleanup
L.1.3	To remove the test partition filler files, in the Terminal window, type <pre>rm /&lt;part&gt;/fill</pre> <p>for each of the test partitions noted earlier, where &lt;part&gt; is replaced by the partition pathname.</p> <p><b>NOTE:</b> This method is OS specific. Use the relevant method on the OS being tested and note it in the Observed Result column.</p>	The command prompt returns.  <p><b>NOTE:</b> It is safe to ignore any messages indicating that the fill file is not found. Some of the fill files may have been removed by the system throughout the duration of the test.</p>	Cleanup
<b>Z</b>	4.13 Log Out		

***End of Test Validation Procedure***