

9 Using Configuration Menus

This chapter describes the controls and fields in the Console's configuration menus.

The following topics are covered in this chapter:

- ❑ “Using Change Quick Setup” on page 9-1
- ❑ “Using Change Setup Parameters” on page 9-7
- ❑ “Using Change User Preferences” on page 9-43

Using Change Quick Setup

Change Quick Setup allows you to change the parameters that affect basic terminal operations, a subset of the parameters in Change Setup Parameters and Change User Preferences.

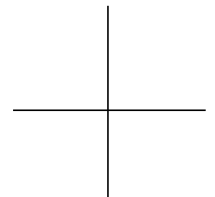
By default, you access Change Quick Setup through the Console, after the NCD terminal has been booted (Setup ⇒ Change Quick Setup). For other ways to display and start local clients and information about disabling local clients, see the *NCDware System Administrator's Guide for UNIX Systems*.

Components of the Change Quick Setup Window

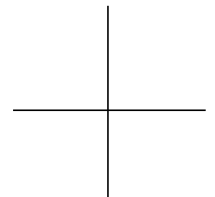
Change Quick Setup contains a series of hide boxes providing access to fields that correspond to remote configuration parameters.

Change Quick Setup has a menu bar with a File menu and a Sections menu, a messages area, and several buttons:

- ❑ The File menu provides commands for writing values to and reading values from files and NVRAM:
 - Save to File—Specifies the name of a file to which all current parameter settings should be written. A popup dialog box presents the default filename or the last filename entered during this session.
 - Save to NVRAM—Saves settings to NVRAM as appropriate.



- Read from File—Specifies a file from which parameter settings can be loaded into Change Quick Setup. A popup dialog box presents the default filename or the last filename entered during this session.
 - Read from NVRAM—Loads all NVRAM settings into Change Quick Setup.
 - Restore Defaults—Loads parameter settings from the file defined in the **config-default-file** parameter. By default, the value in this parameter is the initial configuration file loaded at boot time.
 - Connect to New Unit—Presents a popup box requesting a terminal name and the **config-read-only-password** or **config-read-write-password** required for configuration data access. Displays that terminal's Change Quick Setup dialog box.
 - Close—Closes Change Quick Setup.
- ☐ The Sections menu contains a listing of the Change Quick Setup hide boxes, allowing you an alternative way to select one to open or open or close all hide boxes with one selection.
 - ☐ The Messages area below the hide boxes displays Configuration daemon messages.
 - ☐ The four buttons along the bottom of the window allow you to commit changes to the current X session, to NVRAM, or to the configuration database:
 - Apply—Applies current changes to the current session. Applies changes to NVRAM and to configuration files according to Auto Save settings. Parameters may take effect immediately after you click on Apply, at boot time, at session startup, or when a client is initialized. When you click on Apply, a message in the Messages area indicates when the change takes effect.
 - Restart—Removes changes that have not been applied.
 - Defaults—Loads parameter settings from the file defined in the **config-default-file** parameter. By default, the value in this parameter is the initial configuration file loaded at boot time.
 - Cancel—Cancels changes that have not been applied and quits the Change Quick Setup utility.



Contents of the Change Quick Setup Hide Boxes

The following sections describe the contents of the Change Quick Setup hide boxes.

The tables in each section include brief descriptions of the fields and the names of the corresponding remote configuration parameters. For the following information about parameters, see the *Remote Configuration Quick Reference*:

- ☐ Permitted values
- ☐ SNMP variable names and paths
- ☐ When the parameter takes effect
- ☐ Whether the parameter is saved in NVRAM

Booting Parameters

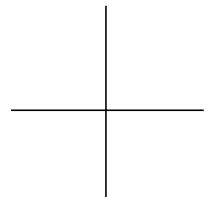
The Booting hide box contains parameters that affect the terminal's booting process.

Booting Field	Description	Corresponding Parameter
Boot From	Booting method; that is, the protocol used for booting or whether the terminal boots locally	boot-desired-source
Boot Host IP Address	IP address of the boot server	boot-tcpip-desired-server

Files Parameters

The Files hide box contains parameters that affect how the terminal accesses files.

Files Field	Description	Corresponding Parameter
File Service Protocol	Protocol for file exchange with the primary initial file server	file-initial-protocol-1
File Server Address	Address of the primary initial file server	file-initial-server-1



Using Change Quick Setup

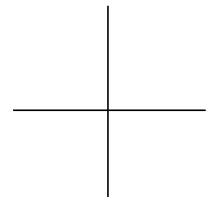
Files Field	Description	Corresponding Parameter
Backup File Service Protocol	Protocol for file exchange with the secondary initial file server	file-initial-protocol-2
Backup File Server Address	Address of the secondary initial file server	file-initial-server-2
Config File	Configuration file downloaded by the terminal	config-default-file
UNIX Config Directory	Directory containing the configuration file downloaded by the terminal	config-unix-directory
VMS Config Directory	Directory containing the configuration file downloaded by the terminal from a VMS host	config-vms-directory
Loadable Modules Directory	Directory that contains the loadable X server modules	modules-directory
Name Type for Initial TFTP servers	Type of filenames (UNIX or VMS) sent via TFTP from the initial file servers	file-name-type-for-initial-tftp-servers
Extended File Diagnostics	Generates more detailed diagnostic messages about file services	file-extended-diagnostics

Fonts Parameters

The Fonts hide box defines the default font path.

Fonts Field	Description	Corresponding Parameter
Default Font Path at Reset	Default directories that the terminal searches for fonts	xserver-default-font-path

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Licenses Parameters

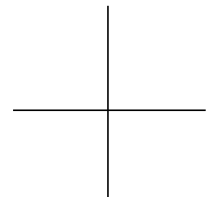
The Licenses hide box contains parameters that affect licensed features.

Licenses Field	Description	Corresponding Parameter
License Key	License key for the enabled software features that require a license	unit-license-key
Licensed Features	Features licensed on the terminal	unit-licensed-features

Network Parameters

The Network hide box contains parameters that set network addresses and specify hosts that provide services to the terminal. Some of the fields shown below do not appear in the XRemote X server.

Network Field	Description	Corresponding Parameter
Terminal IP Address At Next Boot	Terminal's IP address the next time it boots	ip-address-at-next-boot
Gateway IP Address	Primary default gateway host	ip-initial-default-gateway-1
Subnet Mask	Subnet mask for this network segment	ip-subnet-mask
Broadcast IP Address	Broadcast address	ip-broadcast-address
Use Address Discovery	Addresses supplied by BOOTP/DHCP or RARP are used by the terminal	ip-use-address-discovery
TCP/IP Name Service Protocol	Name service protocol for contacting the name servers	tcpip-name-server-protocol
TCP/IP Name Servers	List of name server hosts	tcpip-name-servers
NCDnet Address	Current NCDnet address (for terminals on a DECnet network)	ncdnet-address
NCDnet Address at Next Boot	NCDnet address for the terminal the next time it boots	ncdnet-address-at-next-boot

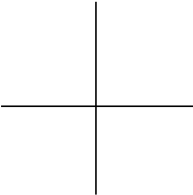


Network Field	Description	Corresponding Parameter
NCDnet Router Address	Default router for terminals on a DECnet network	ncdnet-default-router
NCDnet Name Servers	List of name server hosts for terminals on a DECnet network	ncdnet-name-servers

Session Parameters

The Session hide box contains parameters that start the initial local clients for the user’s session.

Session Field	Description	Corresponding Parameter
X Session XDM/DECwindows Hostname	Login host for the XDM login banner	exec-startup-commands
Terminal Session Type	Type of terminal emulation for users logging in through a terminal emulator	
XRemote Session Start Window Manager	Starts the window manager when a user logs in through XRemote	



Using Change Setup Parameters

Change Setup Parameters provides access to all terminal configuration parameters. It is especially useful for setting configuration parameters when you have a few easily accessible terminals or when users set some or all configuration parameters themselves.

Procedures for configuring terminals using Change Setup Parameters are described in the *System Administrator's Guide*.

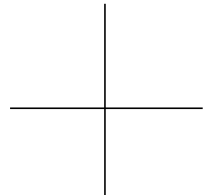
By default, you access Change Setup Parameters through the Console, after the NCD terminal has booted (Setup \Rightarrow Change Setup Parameters). For other ways of starting and displaying local clients and information about disabling local clients, see the *System Administrator's Guide*.

Components of the Change Setup Parameters Window

Change Setup Parameters is composed of a series of hide boxes, which provide access to fields that correspond to remote configuration parameters.

Change Setup Parameters has a menu bar with a File menu and a Sections menu, a messages area, and several buttons.

- ❑ The File menu provides commands for writing values to and reading values from files and NVRAM:
 - Save to File—Specifies the name of a file to which all current parameter settings should be written. A popup dialog box presents the default filename or the last filename entered during this session.
 - Save to NVRAM—Saves settings to NVRAM as appropriate.
 - Read from File—Specifies a file from which all parameter settings should be read for display in the Change Setup Parameters window. Presents the default filename or the last filename entered during this session.
 - Read from NVRAM—Reads all NVRAM settings and displays them in the Change Setup Parameters window.
 - Restore Defaults—Loads parameter settings from the file defined in the **config-default-file** parameter. By default, the value in this parameter is the initial configuration file loaded at boot time.

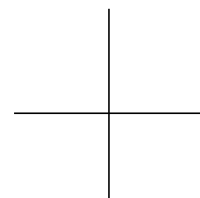


- **Connect to New Unit**—Presents a popup box requesting a terminal name and the **config-read-only-password** or **config-read-write-password** required for configuration data access. Displays the remote terminal's Change Setup Parameters window.
- **Close**—Closes the Change Setup Parameters client.
- ❑ The Sections menu contains a listing of the Change Setup Parameters hide boxes, allowing you an alternative way to select one to open. You can also select to open or hide all hide boxes.
- ❑ The Messages area below the hide boxes displays Configuration daemon messages.
- ❑ The Auto Save File toggle below the Messages area enables or disables the Auto Save feature, described in the *System Administrator's Guide* and in Chapter 6, Terminal Configuration Methods.
- ❑ The four buttons along the bottom of the window allow you to commit changes to the current X session, to NVRAM, or to the configuration database:
 - **Apply**—Applies current changes to the current X session. Applies changes to NVRAM and to configuration files according to specifications set for the Auto Save feature. Parameters may take effect immediately after you click on **Apply**, at boot time, at session startup, or when a client is initialized. When you click on **Apply**, a message in the Messages area indicates when the change takes effect.
 - **Restart**—Removes changes that have not been applied.
 - **Defaults**—Loads parameter settings from the file defined in the **config-default-file** parameter. By default, the value in this parameter is the initial configuration file loaded at boot time.
 - **Cancel**—Removes changes that have not been applied and quits Change Setup Parameters (closes the window).

Contents of the Change Setup Parameters Hide Boxes

The following sections describe the contents of the Change Setup Parameters hide boxes.

The tables describing the hide box contents include a description of each field and the name of the corresponding remote configuration parameter. For the following information about parameters, see the alphabetical configuration parameter descriptions in the *Remote Configuration Quick Reference*:



- ☐ Permitted values
- ☐ SNMP variable names and paths
- ☐ When the parameter takes effect
- ☐ Whether the parameter is saved in NVRAM

Access Control Parameters

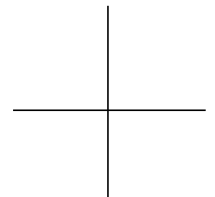
The parameters in the Access Control hide box control access to the terminal configuration database and other terminal functions.

Access Control Field	Description	Corresponding Parameter
<i>Unit Password section</i>		
Unit Global Password	Password for read/write access to the Configuration, Preferences, SNMP, and File Manager daemons	unit-global-password
<i>X Server section</i>		
XDM Authentication Key	Key used for authorized client connection requests (write-only)	login-xdm-authentication-key
Default for Enable X Access Control	Enables host-based access control by default for client connections	xserver-access-control-enabled-default
Enable X Access Control	Enables host-based access control for client connections	xserver-access-control-enabled
X Access Control List	List of authorized hosts	xserver-access-control-list
<i>Config Daemon section</i>		
Config Read-Only Password	Password required for read-only access to the configuration database	config-read-only-password
Config Read-Write Password	Password required for read/write access to the configuration database	config-read-write-password
Enforce Config Passwords Locally	Requires a password to access configuration information from the terminal	config-enforce-passwords-locally

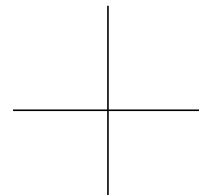
Using Change Setup Parameters

Access Control Field	Description	Corresponding Parameter
Enable Config Access Control	Checks remote requests for connections to the Configuration daemon against the access control list	config-access-control-enabled
Config Access Control List	Hosts in the Configuration daemon host access list	config-access-control-list
<i>User Preferences Daemon section</i>		
User Preferences Read-Only Password	Password required for read-only access to User Preferences information	config-pref-read-only-password
User Preferences Read-Write Password	Password required for read/write access to the user preferences daemon	config-pref-read-write-password
Enforce User Preferences Passwords Locally	A password is required to access user preferences information from the terminal	config-pref-enforce-passwords-locally
<i>Console section</i>		
Console Display Password	Password for displaying the Console (write-only)	config-console-display-password
Enforce Console Password Locally	Password for accessing the Console locally	config-console-enforce-password-locally
<i>SNMP section</i>		
SNMP Read-Only Community	The first community name for SNMP requests for read-only access to configuration information	snmp-read-only-community
SNMP Read-Only Alternative Community	The second community name for SNMP read-only access to configuration information	snmp-read-only-community-alt

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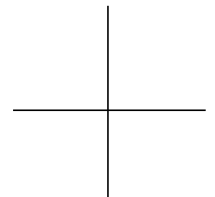
Access Control Field	Description	Corresponding Parameter
Enable SNMP Read-Only Access Control	Remote requests for connections to the SNMP daemon are checked against the read-only host access control list	snmp-read-only-access-control-enabled
SNMP Read-Only Access Control List	Hosts allowed to use an SNMP read-only community name to access configuration information	snmp-read-only-access-control-list
SNMP Read-Write Community	The first community name for SNMP requests for read/write access to configuration information	snmp-read-write-community
SNMP Read-Write Alternative Community	The second community name for SNMP read/write access to configuration information	snmp-read-write-community-alt
Enable SNMP Read-Write Access Control	Remote requests for connection to the SNMP daemon are checked against the read/write host access control list	snmp-read-write-access-control-enabled
SNMP Read-Write Access Control List	Hosts allowed to use an SNMP read/write community name to access configuration information	snmp-read-write-access-control-list
Allow SNMP Reset	Enables remote reset via SNMP	snmp-allow-reset
SNMP Trap Monitors	Hosts to which SNMP traps are sent	snmp-trap-monitors
<i>NCDnet MOP section</i>		
MOP Reset Password	Password included in the MOP reset packet	ncdnet-mop-reset-password
<i>Diagnostic Daemon section</i>		
Enable Diagnostic Access Control	Remote requests for access to the Diagnostic daemon are checked against the access control list	diag-access-control-enabled
Diagnostic Access Control List	Hosts that can access the Diagnostic daemon	diag-access-control-list



Using Change Setup Parameters

Access Control Field	Description	Corresponding Parameter
<i>NFS section</i>		
NFS Server Access Control Default	Default access control policy for requests to the NFS server daemon	file-nfs-access-control-default
NFS Server Access Control List	Hosts that do not follow the default access control policy.	file-nfs-access-control list
<i>File Manager section</i>		
Password	Password for access to the File Manager daemon	file-manager-password
Enable File Manager Access Control List	Enables host-based access control for remote access to the File Manager daemon	file-manager-access-control-enabled
File Manager Access Control List	Hosts allowed to access the File Manager daemon	file-manager-access-control-list
<i>Local Command Execution Daemon section</i>		
Enable Execution Host Access Control	Access control is enabled for the Local Command Execution daemon	exec-access-control-enabled
Execution Access Control List	Hosts allowed to access the Local Command Execution daemon	exec-access-control-list
Enable Execution User Access Control	Restricts requests for local command execution to the user logged into the terminal. The NCD Display Manager must be running on the login host.	exec-user-access-control
<i>Serial and Parallel Daemon section</i>		
Serial Daemon LAT Service Passwords	LAT service passwords for accessing the Serial daemon	serial-daemons-lat-service-passwords
Parallel Daemon LAT Service Passwords	LAT service passwords for accessing the Parallel daemon	parallel-daemons-lat-service-passwords

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Access Control Field	Description	Corresponding Parameter
Enable Serial and Parallel Access Control	Access control is enabled for connecting to the Serial and Parallel daemons	serial-access-control-enabled
Serial and Parallel Access Control List	List of hosts from which the Serial and Parallel daemons can be accessed	serial-access-control-list

ARP Parameters

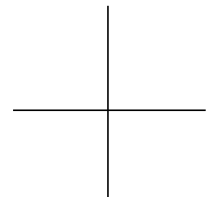
The ARP (Address Resolution Protocol) hide box affects address resolution.

Address Resolution Protocol Field	Description	Corresponding Parameter
Complete Entry Timeout (minutes)	Number of minutes a complete ARP table entry can exist without being used	tcpip-arp-complete-entry-timeout
Incomplete Entry Timeout (minutes)	Number of minutes an incomplete ARP table entry can exist without being used	tcpip-arp-incomplete-entry-timeout
ARP Cache	ARP table used for mapping from IP addresses to physical addresses	tcpip-arp-cache

Booting Parameters

The Booting hide box contains parameters that affect the Boot Monitor and X server loading.

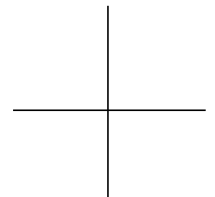
Booting Fields	Description	Corresponding Parameter
Boot automatically at power-up	The terminal boots an X server instead of stopping in the Boot Monitor	boot-automatically
Test RAM at power-up	Enables RAM tests at start up	boot-test-ram



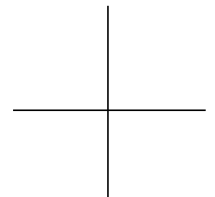
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Booting Fields	Description	Corresponding Parameter
Previous Source	The most recent boot method (read-only)	boot-previous-source
Previous Server	The most recent boot server (read-only)	boot-previous-server
Primary Boot Source	Method to be used the next time the terminal boots	boot-desired-source
Secondary Boot Source	Method used for X server loading if the primary source is not available	boot-second-source
Tertiary Boot Source	Method used for X server loading if the primary and secondary sources are not available	boot-third-source
Persist in Loading	The terminal keeps trying to boot until it succeeds or is interrupted	boot-persistent-loading
Default Server when PROM Booting	Server for downloading configuration files and fonts when the terminal boots locally	boot-default-server-when-prom-booting
Boot Monitor Inverse Video	Boot Monitor displays are in inverse video	boot-monitor-inverse-video
Custom File	A non-standard filename for the X server boot file	boot-custom-file
<i>TCP/IP Boot Options Section</i>		
TCP/IP Desired Server	Boot server to use when the boot source is TFTP or NFS	boot-tcpip-desired-server
Secondary TCP/IP Server	Boot server to use when the desired (primary) boot server is not available	boot-tcpip-second-server
Tertiary TCP/IP Server	Boot server to use when the primary and secondary boot servers are not available	boot-tcpip-third-server

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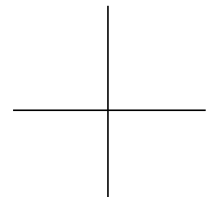
Booting Fields	Description	Corresponding Parameter
Try TCP/IP Unit Address File	Puts an X server named for the terminal's IP address (in hexadecimal) in the terminal's booting sequence (relative pathname or prefixed by /tftpboot)	boot-tcpip-unit-address-file
Try TCP/IP Unit Address with Path File		boot-tcpip-unit-address-with-path-file
Try TCP/IP Product Name and Memory Size File	Puts an X server named for the model and memory size (as a filename suffix) in the terminal's booting sequence (relative pathname or prefixed by /tftpboot)	boot-tcpip-product-name-and-memory-size-file
Try TCP/IP Product Name and Memory Size with Path File		boot-tcpip-product-name-and-memory-size-with-path-file
Try TCP/IP Product Name File	Puts an X server named for the terminal model in the terminal's default booting sequence (relative pathname or prefixed by /tftpboot)	boot-tcpip-product-name-file
Try TCP/IP Product Name with Path File		boot-tcpip-product-name-with-path-file
Send Broadcast ICMP for Subnet Mask	The terminal sends an ICMP message to determine the subnet mask at boot	boot-send-broadcast-icmp-for-subnet-mask
TCP/IP Broadcast Boot Request	The terminal broadcasts for an X server if the boot server does not respond	boot-tcpip-broadcast-boot-request
TFTP Directory	Directory to be searched for an X server when TFTP is the boot source	boot-tftp-directory
NFS Directory	Directory to be searched for an X server when NFS is the boot source	boot-nfs-directory
<i>NCDnet Boot Options section</i>		
Try MOP	Include MOP as a boot source (DECnet networks only)	boot-mop
Try MOP with File Name	Include MOP as a boot source and specify a filename (DECnet networks)	boot-mop-with-file-name



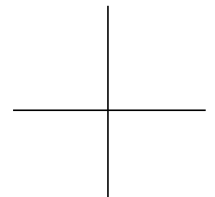
Browser Parameters

The parameters in the Browser hide box affect the NCD Mosaic Browser.

Browser Fields	Description	Corresponding Parameter
<i>General section</i>		
Browser Module	Browser module loaded at boot time	browser-module
Environment Variables	Browser variables	browser-environment
Cache Size Limit (KB)	Maximum size of the memory cache	browser-cache-size
Maximum TCP/IP connections	Maximum number of concurrent TCP/IP connections	browser-max-connections
<i>User Preference Overrides section</i>		
Automatically load images	Enables automatic loading of images when a new Web page is loaded	browser-auto-load-images
Jscript/Javascript routines	Enables execution of JavaScript routines when Web pages are loaded	browser-jscript-active
Java applets	Enables execution of Java applets when included in the Web contents	browser-java-applets
Show Tool Bar	Enables display of the tool bar	browser-show-tool-bar
Default home page	Home page loaded when the browser starts	browser-home-page
<i>Network/Proxy Settings section</i>		
HTTP Proxy Host	Host that runs an HTTP proxy server	browser-http-proxy-host
HTTP Proxy Host Port	TCP/IP port on which the HTTP proxy server listens for connections	browser-http-proxy-host-port



Browser Fields	Description	Corresponding Parameter
HTTP Proxy Overrides	HTTP proxy domains that override or avoid the proxy host	browser-http-proxy-overrides
FTP Proxy Host	Host that runs an FTP proxy server	browser-ftp-proxy-host
FTP Proxy Host Port	TCP/IP port on which the FTP proxy server listens for connections	browser-ftp-proxy-host-port
FTP Proxy Overrides	FTP proxy domains that avoid or override the proxy host	browser-ftp-proxy-overrides
Gopher Proxy Host	Host that runs a gopher proxy server	browser-gopher-proxy-host
Gopher Proxy Host Port	TCP/IP port on which the gopher proxy server listens for connections	browser-gopher-proxy-host-port
Gopher Proxy Overrides	Gopher proxy domains that avoid or override the gopher proxy server	browser-gopher-proxy-overrides
SOCKS Host	Host that runs the SOCKS daemon	browser-socks-host
SOCKS Port	TCP/IP port on which the SOCKS daemon listens for connections	browser-socks-port
SMTP Email Server	SMTP electronic mail server host	browser-smtp-email-server
<i>Printers section</i>		
Browser Printer Table	Printers available for printing from the Browser	browser-printer-table



Commands and Startup Parameters

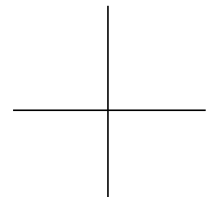
The parameters in the Commands and Startup hide box affect local client availability.

Commands and Startup Field	Description	Corresponding Parameter
Startup Commands	Commands executed when a session starts	exec-startup-commands
Disabled Commands	Commands users are not permitted to access	exec-disabled-commands
Command Menu	Contents of the window manager default root menu	exec-command-menu

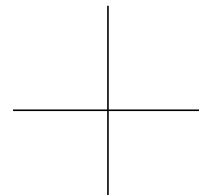
Configuration Parameters

The parameters in the Configuration hide box affect remote configuration files and the actions of the Configuration and Preferences daemons.

Configuration Fields	Description	Corresponding Parameter
<i>Initial Configuration File section</i>		
Load Initial File	An initial configuration file is downloaded at boot	config-load-initial-file
Persistent Loading	The terminal does not boot unless a configuration file is loaded	config-persistent-loading
UNIX Directory	Directory searched for a configuration file	config-unix-directory
VMS Directory	Directory searched for a configuration file (VMS X server)	config-vms-directory
Custom File	Terminal loads a configuration file with a non-standard name	config-custom-file



Configuration Fields	Description	Corresponding Parameter
Try Unit Name as Filename	The terminal's hostname is used as the filename for the initial configuration file (with or without the domain name as a suffix)	config-unit-name-file
Add Domain to Unit Name as Filename		config-add-domain-to-unit-name-as-filename
Try Unit Ethernet Address as Filename	The terminal's Ethernet address is used as the filename for the initial configuration file	config-unit-ethernet-address-file
Try Unit IP Address as Filename	The terminal's IP address, in hexadecimal format, is used as the filename for the initial configuration file	config-unit-ip-address-file
Use Decimal IP Address Notation as Filename	The terminal's IP address (in decimal format) is used as the filename for the initial configuration file	config-use-decimal-ip-address-notation-as-filename
Try Unit NCDnet Address as Filename	The terminal's DECnet address is used as the filename for the initial configuration file	config-unit-ncdnet-address-file
Try Generic Filename	The standard configuration filename (ncd_std) is used as the filename for the initial configuration file	config-generic-file
<i>Configuration Daemon Service section</i>		
Telnet Port Number	Ports and DECnet object for connections to the terminal's Configuration daemon	config-telnet-port
TCP Port Number		config-tcp-port
NCDnet Object Name		config-ncdnet-object-name
Default File	Configuration file that defines the initial terminal configuration	config-default-file
Auto Save NVRAM	Changes to parameters that are saved in NVRAM are automatically saved	config-auto-save-nvram



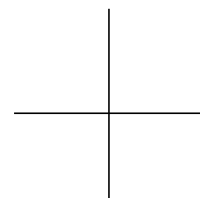
Using Change Setup Parameters

Configuration Fields	Description	Corresponding Parameter
Auto Save File	Changes to the configuration are automatically saved to a file, the file to which the changes are saved, and the extent of the information saved	config-auto-save-file
Auto Save File Name		config-auto-save-file-name
Auto Saved Info		config-auto-saved-info
<i>User Preferences Daemon Service section</i>		
Telnet Port Number	Ports and DECnet object for connections to the terminal's Preferences daemon	config-pref-telnet-port
TCP Port Number		config-pref-tcp-port
NCDnet Object Name		config-pref-ncdnet-object-name

Diagnostics Parameters

The parameters in the Diagnostics hide box affect the logging of diagnostic messages and the actions of the Diagnostic daemon.

Diagnostics Field	Description	Corresponding Parameter
Add Timestamps	Adds timestamps to the diagnostic log	diag-add-timestamps
Timestamp Frequency (seconds)	Maximum frequency at which timestamps are added to the diagnostic log	diag-timestamp-frequency
Buffer Size (bytes)	Maximum size of the diagnostic log	diag-buffer-size
Log File	File to which diagnostic messages are written	diag-log-file
Telnet Port Number	Port on which the terminal listens for Telnet connections to the Diagnostic daemon	diag-telnet-port
TCP Port Number	Port on which the terminal listens for raw TCP connections to the Diagnostic daemon	diag-tcp-port



Diagnostics Field	Description	Corresponding Parameter
NCDnet Object Name	NCDnet object on which the terminal listens for NCDnet connections to the Diagnostic daemon (DECnet)	diag-ncdnet-object-name

Display PostScript Parameters

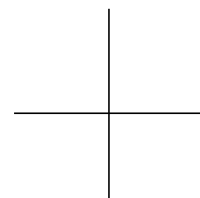
The parameters in the Display PostScript hide box affect the Display PostScript server module. This hide box appears on HMX and Explora 700 terminals only.

Display PostScript Field	Description	Corresponding Parameter
DPS/X resource Path	Path searched for DPS/X resource files	dps-resource-path

File Manager Parameters

The parameters in the File Manager hide box affect the Local File Manager.

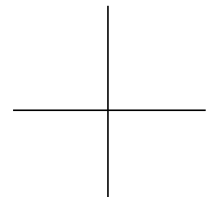
File Manager Field	Description	Corresponding Parameter
Telnet Port Number	Port on which the terminal listens for Telnet connections to the File Manager daemon	file-manager-telnet-port
TCP Port Number	Port on which the terminal listens for raw TCP connections to the File Manager daemon	file-manager-tcp-port
NCDnet Object Name	NCDnet object on which the terminal listens for NCDnet connections to the File Manager daemon	file-manager-ncdnet-object-name



File Service Parameters

The parameters in this hide box affect how the terminal accesses files located in the local file system and on network hosts.

File Service Field	Description	Corresponding Parameter
Initial File Server 1	Primary file server at boot time for loading the initial configuration file	file-initial-server-1
Initial Protocol 1	Protocol used for file access on the primary file server	file-initial-protocol-1
Initial File Server 2	Secondary file server at boot time for loading the initial configuration file	file-initial-server-2
Initial Protocol 2	Protocol used for file access on the secondary file server	file-initial-protocol-2
Name Type for Initial TFTP Servers	Type of filenames sent via TFTP from the initial file servers	file-name-type-for-initial-tftp-servers
File Service Table	Configuration parameters for file access on network hosts	file-service-table
Extended Diagnostics	The terminal generates more detailed file service diagnostic messages	file-extended-diagnostics
Try All Matches on Open	The terminal tries all file service table entries that match when trying to access a file	file-try-all-matches-on-open
Failed Server Ignore Timeout (seconds)	How long a file server that has failed due to a network timeout error is ignored	file-failed-server-ignore-timeout
NFS Unmount Timeout (seconds)	How long after the last reference to an NFS file service entry that the terminal notifies the server that access is no longer required	file-nfs-unmount-timeout

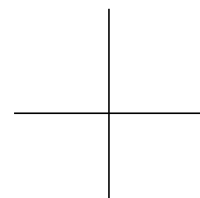


File Service Field	Description	Corresponding Parameter
Default VMS File Name Extension	Default file extension appended to a filename when accessing a file on a file server that uses VMS-style names	file-default-vms-file-name-extension
Enable Floppy Filesystem	Makes the local diskette drive accessible through the Local File Manager or from another host via NFS	file-enable-floppy-filesystem
Enable NFS Server	Starts the NFS Server daemon at boot time to permit NFS access to the local file system from remote hosts	file-enable-nfs-server
Export Directory List	Export file server mount points for NFS mounts of the local file system (diskette or PCMCIA card)	file-export-directory-list

Fonts Parameters

The parameters in the Fonts hide box affect how the terminal accesses fonts, both bitmap fonts and fonts supplied by the font server.

Fonts Field	Description	Corresponding Parameter
Default Font Path	Default directories in which the terminal looks for fonts	xserver-default-font-path
Default Font	The X server's default font	xserver-default-font
Font Cache Maximum Size (bytes)	Amount of memory used for font caching	xserver-font-cache-max-size
Retain Font Path Across Sessions	The X server retains the font path after the last client disconnects	xserver-retain-font-path
Font Directory File Name	Alternative filename for the fonts.dir file	xserver-font-directory-file-name
Font Alias File Name	Alternative filename for the fonts.alias file.	xserver-font-alias-file-name



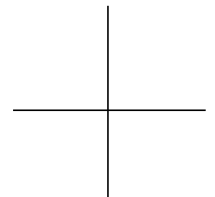
Using Change Setup Parameters

Fonts Field	Description	Corresponding Parameter
Font Name Table	Symbolic mappings between user-specified names and font path names	xserver-font-path-alias-table
<i>Font Server section</i>		
Reconnect attempts before failure	Number of times to retry a font server request before declaring an error	xserver-fontserver-retry-attempts
Read Timeout (seconds)	How long to try reading information from a font server before declaring an error	xserver-fontserver-read-timeout
Open Timeout (seconds)	How long to try connecting to a font server before declaring an error	xserver-fontserver-open-timeout
Reopen Timeout (seconds)	Timeout before failing to reopen the font server connection	xserver-fontserver-reopen-timeout

Input Devices Parameters

The parameters in the Input Devices hide box affect the functioning of input devices (such as keyboard and mouse).

Input Devices Field	Description	Corresponding Parameter
Keyboard Type	Type of keyboard in use	xserver-keyboard-type
Keyboard Description File	Filename of the downloadable keyboard definition file for unsupported keyboards	xserver-keyboard-description-file
Write Keyboard Description File ...	Writes a keyboard description file for the keyboard attached to the terminal	none
Narrow Keysym Tables	X11R3 two-entry keysym tables are used instead of four-entry keysym tables	xserver-keyboard-narrow-keysym-tables



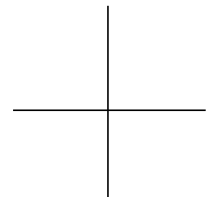
Input Devices Field	Description	Corresponding Parameter
Local Dead Key Support	Enables local dead-key processing on keyboards with this feature	xserver-enable-local-dead-key-processing
Mouse Buttons	Number of buttons on the mouse	xserver-mouse-buttons
Input Extension Device	Input extension device attached to the serial port	xserver-input-extension-device
Calibrate Touch Screen	Lower left and upper right coordinates of the touch screen calibration limits	xserver-touchscreen-calibration limits
Light Pen Blue Flood ¹	During calibration, enhances the light pen's ability to distinguish light from dark	xserver-enable-local-lightpen-blue-flood
Calibrate Light Pen ¹	Activates calibration mode for the light pen	none

¹ Explora, Explora Pro, and Explora 400/450 terminals only

IP Parameters

The parameters in the IP (Internet Protocol) hide box affect terminal communication using IP.

IP Field	Description	Corresponding Parameter
IP Address ¹	Current IP address of the terminal	ip-address
IP Address At Next Boot	The terminal's IP address the next time it boots	ip-address-at-next-boot
Subnet Mask	Subnet mask	ip-subnet-mask
Broadcast Address	Broadcast address used when sending broadcast packets and for recognizing broadcast packets from a non-standard broadcast address	ip-broadcast-address
Initial Default Gateway 1	Primary default IP gateway	ip-initial-default-gateway-1

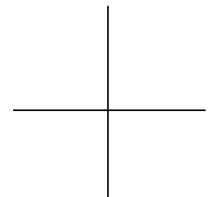


Using Change Setup Parameters

IP Field	Description	Corresponding Parameter
Initial Default Gateway 2	Secondary default IP gateway	ip-initial-default-gateway-2
Use Address Discovery	IP addresses are discovered from the network	ip-use-address-discovery
Use Proxy Arp	Proxy ARP is used to resolve routes to hosts for which there are no routes in the IP routing table	ip-use-proxy-arp
Use Router Discovery	The terminal modifies its routing table based on receipt of ICMP router discovery messages	ip-use-router-discovery
Use Router Solicit	The terminal sends ICMP router discovery solicitation messages at boot time	ip-use-router-solicit
Extended Routing Diagnostics	The terminal generates more detailed diagnostic messages about IP routing	ip-extended-routing-diagnostics
Default Packet Time-to-Live (seconds)	Value inserted into the IP header's Time-to-Live field of datagrams originating at the terminal	ip-default-packet-time-to-live
Respond to Broadcast ICMP	The terminal responds to ICMP messages sent to the broadcast address	ip-respond-to-broadcast-icmp
Routing Table	The current routes to remote hosts and networks	ip-routing-table
Equivalent IP Addresses	List of IP addresses considered as originating on the same host; used to receive UDP packets from multi-homed hosts	ip-equivalent-addresses

¹ This field is read-only.

9-26 Using Configuration Menus



Java Parameters

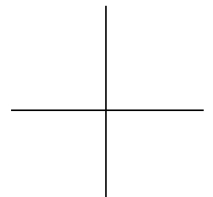
The parameters in the Java hide box affect the Java local clients.

Java Field	Description	Corresponding Parameter
Java Directory	Directory in which Java files shipped with NCDware are installed	java-directory
AppletViewer Command	Java command line for starting the AppletViewer	java-appletviewer-command
Cache Class File	Loads Java classes shipped with NCDware and caches them in memory	java-cache-class-file

LAT Parameters

The parameters in the LAT hide box affect terminal communications using the LAT (Local Area Transport) protocol.

LAT Field	Description	Corresponding Parameter
Service Groups (list)	LAT service advertisements that are added to the LAT service directory	lat-service-groups
Service Directory Max Size	Maximum number of entries in the LAT service directory (can only be increased from Change Setup Parameters)	lat-service-directory-max-size
Connect Timeout (seconds)	Elapsed time between a connection attempt and a lack of response before failure is declared	lat-connect-timeout
Circuit Flush Timeout (milliseconds)	Length of time input characters are queued before the terminal flushes data by sending a packet to the host	lat-circuit-flush-timeout
Keepalive Timeout (seconds)	Length of time an established connection is inactive before a keepalive packet is sent	lat-keepalive-timeout



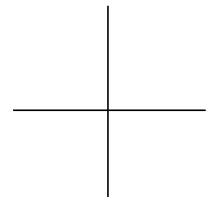
Using Change Setup Parameters

LAT Field	Description	Corresponding Parameter
Retransmission Timeout (milliseconds)	Elapsed time between retransmissions of LAT data packets on an established connection	lat-retransmission-timeout
Retransmission Limit	Number of times a LAT packet is retransmitted before the connection is considered a failure	lat-retransmission-limit

Licenses Parameters

The parameters in the Licenses hide box affect the allocation of licenses.

Licenses Fields	Description	Corresponding Parameter
License Key	License key for licensed software features	unit-license-key
License Agents	IP addresses of the hosts on which license server agents are running	unit-license-agents
License Agent Port Number	UDP port on which the license server listens	unit-license-agent-port
Transaction Timeout (seconds)	How long the terminal waits for a reply from the license agent	unit-license-agent-timeout
Maximum Retries	Maximum number of times the terminal tries to get a license from the proxy license server	unit-license-agent-retries
Licensed Features	Features currently licensed on the terminal (read-only)	unit-licensed-features
Optional Features	Optional software enabled for the terminal	unit-optional-features



Loadable Modules Parameters

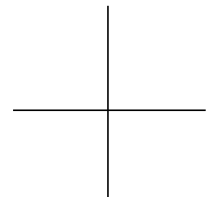
The parameters in the Loadable Modules hide box affect the loading of X server modules.

Loadable Modules Fields	Description	Corresponding Parameter
Loadable Modules Directory	Directory containing the loadable modules	modules-directory
Load Policy	When modules are loaded or if a module is disabled	modules-load-policy

Login Parameters

The parameters in the Login hide box affect login through XDM and DECwindows.

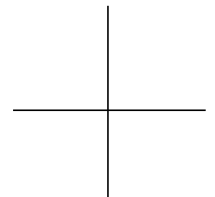
Login Field	Description	Corresponding Parameter
Default Hosts	Hosts listed in the Login Chooser	login-default-hosts
Restrict Host Choices	User is restricted to selecting a login host from those listed in the Login Chooser	login-restrict-host-choices
Disabled Networks	Limits network connections for terminals on both TCP/IP and DECnet networks	login-disabled-networks
Window Delay Time (seconds)	How long the terminal waits before displaying the login window when starting the <i>login</i> client from a command line	login-window-delay-time
<i>XDM section</i>		
XDM Manufacturer Display ID	The XDM manufacturer display ID (read-only)	none
XDM Display Class	The XDMCP display class	login-xdm-display-class



Using Change Setup Parameters

Login Field	Description	Corresponding Parameter
Begin Sending Keepalives after (minutes)	Length of time between keepalives sent to verify that the XDM session host is still running	login-xdm-keepalives-begin-time
Wait for Keepalive Responses for (seconds)	Elapsed time from the start of XDM dead session testing with no response from the login host before a failure is declared	login-xdm-keepalives-wait-time
Wait for Broadcasts for (seconds)	How long the terminal waits for responses to the XDM broadcast query before displaying the results to the user in the Login Chooser	login-xdm-broadcast-wait-time
What to do with XDMCP Broadcasts	How the terminal responds to XDM broadcasts	login-xdm-broadcasts
What to do with XDMCP Indirects	How the terminal responds to XDM indirect queries	login-xdm-indirects
What to do when XDM disconnects	Action taken when the host XDM program disconnects from the terminal	login-xdm-action-on-disconnect
<i>DWLOGIN section</i>		
Login Name	Login account name for invoking the VMS DECwindows login banner	login-dwlogin-name
Login Password	Login account password for invoking the VMS DECwindows login banner	login-dwlogin-password
<i>NCDDM section</i>		
NCD Display Manager Enabled	NCD Display Manager is queried for user-specific information	login-ncddm-enabled
NCD Display Manager TCP Port Number	TCP port on which the NCD Display Manager listens for requests	login-ncddm-tcp-port

9-30 Using Configuration Menus



NCDnet Parameters

The parameters in the NCDnet hide box affect terminals in a DECnet network.

NCDnet Field	Description	Corresponding Parameter
NCDnet Address	The terminal's current DECnet address	ncdnet-address
NCDnet Address At Next Boot	The DECnet address the next time the terminal boots	ncdnet-address-at-next-boot
Default Router	Address or symbolic name of the default router	ncdnet-default-router
Connect Timeout (seconds)	Length of time that must elapse between a connection attempt and a lack of response before failure is declared	ncdnet-connect-timeout
Retransmission Limit	Number of attempts to retransmit data on an established connection before a failure is declared	ncdnet-retransmission-limit
Keepalive Timeout (seconds)	Length of time the terminal remains inactive on an established connection before a keepalive packet is sent	ncdnet-keepalive-timeout
Hello Timeout (seconds)	Length of time between successive transmissions of Hello packets	ncdnet-hello-timeout
Router Timeout (seconds)	Length of time after a Router Hello message is received that the sending router is used as the default router	ncdnet-router-timeout
User Account Name	Account name used in connection attempts	ncdnet-user-account-name
MOP Identify Timeout (seconds)	Length of time between transmissions of MOP identify packets	ncdnet-mop-identify-timeout
Allow MOP Reset	Allows remote reboot via MOP	ncdnet-mop-allow-reset

NCDnet Name Service Parameters

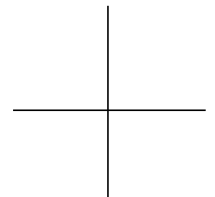
The parameters in the NCDnet Name Service hide box affect the NCDnet (DECnet) name service.

NCDnet Name Service Field	Description	Corresponding Parameter
Name Cache Max Size	Maximum number of entries in the terminal's name cache	ncdnet-name-cache-max-size
Name Cache Max Lifetime (seconds)	How long a name service entry is used before being automatically deleted	ncdnet-name-cache-max-lifetime
Local Name Cache	Hostnames, NCDnet addresses, and address lifetimes for the local name cache	ncdnet-name-local-cache
Name Server Transaction Timeout	How long the terminal attempts a name service request before a failure is declared	ncdnet-name-server-transaction-timeout
Name Servers	List of name servers	ncdnet-name-servers

Network Interfaces Parameters

The parameters in the Network Interfaces hide box affect the terminal's network interfaces.

Network Interfaces Field	Description	Corresponding Parameter
Use SNAP (802.2 LLC) Encapsulation on Ethernet	The terminal sends Ethernet packets using SNAP encapsulation	net-ethernet-snap-encapsulation
Token-Ring Speed	Speed at which the Token-Ring interface runs	net-token-ring-speed
Roaming Condition ¹	Speed at which wireless terminals roam from one access point to another	net-roaming-condition



Network Interfaces Field	Description	Corresponding Parameter
Domain Channel ¹	Domain number for wireless terminals	net-domain-channel

¹ Explora 400/450 terminals only

Parallel Parameters

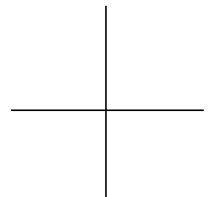
The Parallel hide box lists the attributes of the Parallel Daemon.

Parallel Field	Description	Corresponding Parameter
Parallel Daemons Table	Table listing the current characteristics of the Parallel daemon(s)	parallel-daemons-table

PEX Parameters

The parameters in the PEX hide box govern characteristics of the PEX extension. For other PEX parameters, see “PEX Color Parameters” on page 9-34 and the PEX hide box in the Change User Preferences client. This hide box appears on HMX and Explora 700 terminals only.

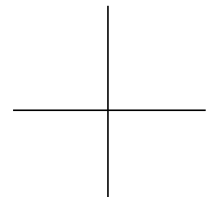
PEX Field	Description	Corresponding Parameter
Maximum Model Clip Planes	Maximum number of half-spaces that can be defined for model clipping	pex-max-model-clip-planes
Maximum Non-Ambient Lights	Maximum number of non-ambient light sources that can be defined	pex-max-non-ambient-lights
Maximum Nameset Names	Maximum number (a power of two) of NameSet names (identifiers) that can be defined	pex-max-nameset-names



PEX Color Parameters

The parameters in the PEX Color hide box govern monitor reference luminance and chromaticity. For other PEX parameters, see “PEX Parameters” on page 9-33 and the PEX hide box in the Change User Preferences client. This hide box appears on HMX and Explora 700 terminals only.

PEX Color Field	Description	Corresponding Parameter
Reference Red Chromaticity (u')	The u' CIE-chromaticity coordinate for the red color component of a properly adjusted monitor	pex-monitor-reference-red-u
Reference Red Chromaticity (v')	The v' CIE-chromaticity coordinate for the red color component of a properly adjusted monitor	pex-monitor-reference-red-v
Reference Red Luminance (Y)	The Y CIE-luminance coordinate for the red color component of a properly adjusted monitor	pex-monitor-reference-red-y
Reference Green Chromaticity (u')	The u' CIE-chromaticity coordinate for the green color component of a properly adjusted monitor	pex-monitor-reference-green-u
Reference Green Chromaticity (v')	The v' CIE-chromaticity coordinate for the green color component of a properly adjusted monitor	pex-monitor-reference-green-v
Reference Green Luminance (Y)	The Y CIE-luminance coordinate for the green color component of a properly adjusted monitor	pex-monitor-reference-green-y
Reference Blue Chromaticity (u')	The u' CIE-chromaticity coordinate for the blue color component of a properly adjusted monitor	pex-monitor-reference-blue-u
Reference Blue Chromaticity (v')	The v' CIE-chromaticity coordinate for the blue color component of a properly adjusted monitor	pex-monitor-reference-blue-v
Reference Blue Luminance (Y)	The Y CIE-luminance coordinate for the blue color component of a properly adjusted monitor	pex-monitor-reference-blue-y



PEX Color Field	Description	Corresponding Parameter
Reference White Chromaticity (u')	The u' CIE-chromaticity coordinate for the white color component of a properly adjusted monitor	pex-monitor-reference-white-u
Reference White Chromaticity (v')	The v' CIE-chromaticity coordinate for the white color component of a properly adjusted monitor	pex-monitor-reference-white-v
Reference White Luminance (Y)	The Y CIE-luminance coordinate for the white color component of a properly adjusted monitor	pex-monitor-reference-white-y

PPP and SLIP Parameters

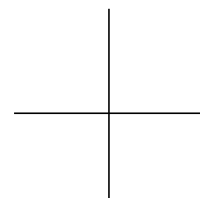
The parameters in the PPP and SLIP hide box affect terminal communications using the PPP and SLIP protocols.

PPP and SLIP Field	Description	Corresponding Parameter
PPP and SLIP Interfaces Table	PPP and SLIP configuration parameters	ppp-slip-interfaces-table
PPP Interfaces Table	PPP configuration parameters	ppp-interfaces-table

Serial Parameters

The parameters in the Serial hide box affect the serial port(s) and Serial daemon.

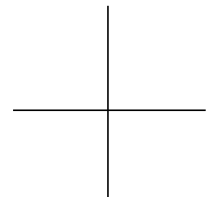
Serial Hide Field	Description	Corresponding Parameter
Serial Interfaces Table	Serial port parameters	serial-interfaces-table
Serial Daemons Table	Serial daemon parameters	serial-daemons-table



TCP Parameters

The parameters in the TCP hide box affect terminal communications using the TCP protocol.

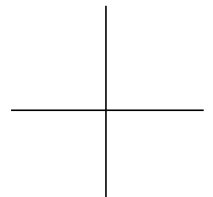
Transmission Control Protocol Field	Description	Corresponding Parameter
Receive Buffer Size (bytes)	Bytes of received data that a TCP connection can buffer in the terminal	tcp-receive-buffer-size
Send Buffer Size (bytes)	Bytes of data awaiting transmission that the TCP connection can buffer in the terminal	tcp-send-buffer-size
Connect Timeout (seconds)	Length of time that must elapse before a TCP connection attempt is declared a failure for lack of response	tcp-connect-timeout
Maximum Retransmissions	Number of retransmissions before a failure is declared	tcp-max-retransmissions
Keepalive Idle Time (seconds)	Length of time that must elapse on an established connection with no activity before a keepalive packet is generated	tcp-keepalive-idle-time
Keepalive Interval (seconds)	Length of time that must elapse between successive transmissions of keepalive packets	tcp-keepalive-interval
Maximum Keepalive Idle Time (seconds)	Duration of keepalive transmissions without response before a failure is declared	tcp-max-keepalive-idle-time
Default Linger Time (seconds)	Length of time during which TCP continues to transmit outstanding data on the connections transmit queue after local software closes the connection	tcp-default-linger-time



TCP/IP Name Service Parameters

The parameters in the TCP/IP Name Service hide box affect the DNS and IEN 116 name services.

TCP/IP Name Service Field	Description	Corresponding Parameter
Name Cache Max Size	Maximum number of entries in the name cache	tcpip-name-cache-max-size
Name Cache Max Lifetime (seconds)	How long a name service entry is used before it is automatically deleted	tcpip-name-cache-max-lifetime
Ignore Case on TCP/IP Name Cache Lookups	Specifies that case is ignored when searching for a name in the local name cache	tcpip-name-cache
Local Name Cache	The terminal's name service cache	tcpip-name-local-cache
Name Server Protocol	Name server protocol used when contacting name servers	tcpip-name-server-protocol
Name Server Retransmission Timeout (seconds)	How long a name service retransmission is attempted before a failure is declared	tcpip-name-server-retransmission-timeout
Name Server Transaction Timeout (seconds)	How long a name service request is attempted before a failure is declared	tcpip-name-server-transaction-timeout
Name Servers	List of name servers	tcpip-name-servers
DNS Default Domain	Default domain for DNS name service requests	tcpip-dns-default-domain
DNS Domain Search	Successively wider searches of the name space are made when attempting to resolve a name with DNS	tcpip-dns-domain-search



Time Parameters

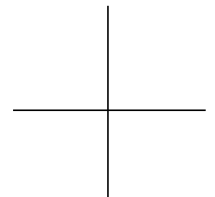
The Time hide box contains parameters that affect the terminal's communication with a time server.

Time Field	Description	Corresponding Parameters
Time Server	The hostname or IP address of a host supplying current time from UDP port 37	time-server
Time Server Timeout (seconds)	How long the terminal waits for a reply from the time server	time-server-timeout
Time Server Retries	Maximum number of attempts to contact the time server	time-server-retries
Timezone	Name of the zone file for the terminal's location	time-zone
Offset from Greenwich Mean Time (minutes)	Offset from Greenwich Mean Time (GMT)	time-offset-from-gmt

Unit Parameters

The Unit hide box contains parameters that provide information about miscellaneous terminal attributes.

Unit Field	Description	Corresponding Parameter
Query for Unit Name at Boot	The terminal requests its hostname at boot time.	unit-query-for-name-at-boot
Unit Name	The terminal's hostname	unit-name
Physical Location	The physical location of the terminal	unit-location
Administrative Contact	Person in charge of the terminal	unit-contact
Administrative Status	Administrative status of the terminal	unit-administrative-status



Unit Field	Description	Corresponding Parameter
Show Low Memory Warning Box at (bytes)	Threshold for displaying the Low Memory warning popup	unit-low-memory-level

Video Parameters

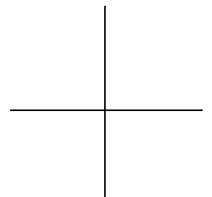
The parameters in the Video hide box affect viewing videos on the terminal. This hide box appears on HMX and Explora 700 terminals only.

Video Field	Description	Corresponding Parameters
Fast MPEG decoder (requires license)	Use the CompCore fast MPEG video decoder instead of the Berkeley decoder	video-fast-mpeg-decoder
Starworks volume file	Filename of the StarWorks volume information file	video-starworks-volume-file

VT320 Terminal Emulation Parameters

The parameters in the VT320 Terminal Emulation hide box affect login through terminal emulation.

VT320 Terminal Emulation Field	Description	Corresponding Parameters
Default Hosts	Hosts listed in the Terminal Host Chooser	term-default-hosts
Restrict Host Choices	User is restricted to the hosts listed in the Terminal Host Chooser	term-restrict-host-choices
Delay LAT Display after Boot (seconds)	How long after rebooting to display the Terminal Host LAT Chooser	term-delay-lat-display
Terminal Default Connect Timeout (seconds)	How long the terminal emulator attempts to establish a connection before declaring an error	term-default-connect-timeout



WinCenter Parameters

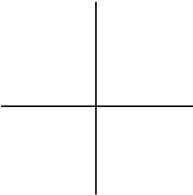
The parameters in the WinCenter hide box affect characteristics of WinCenter when WinCenter is invoked by XDM or a remote shell command with no overriding arguments.

Wincenter Field	Description	Corresponding Parameters
Use WinCenter Colors	Action taken to control colormap flash when using WinCenter and NCDware	wincenter-colors
Window Size	Size of the WinCenter window	wincenter-resources (Wincenter resources of the RESOURCE_MANAGER root window property)
Number of colors	Number of WinCenter colors or TrueColor	
Audio Enabled	Enables audio	

X and Graphics Parameters

The parameters in the X and Graphics hide box affect X attributes.

X and Graphics Field	Description	Corresponding Parameter
Disabled X Extensions	X extensions that should be made unavailable	xserver-disabled-extensions
Retain X Settings Across Sessions	The X server retains the settings of the resource database, keyboard, mouse, and screen saver when the last client disconnects	xserver-retain-x-settings
Arc Cache Maximum Size	Amount of memory used for arc caching	xserver-arc-cache-max-size
RGB File	Filename of the color database	xserver-rgb-file
Keysym File	Filename of the keysym database used by local clients	xserver-keysym-file

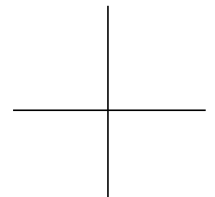


X and Graphics Field	Description	Corresponding Parameter
Default Visual	The terminal's default visual. If Wincenter \Rightarrow Use WinCenter Colors is enabled, it allocates the entries in this table.	xserver-default-visual
Default Colormap	Initial contents of the default color map. If Wincenter \Rightarrow Use WinCenter Colors is enabled, it allocates the entries in this table.	xserver-default-colormap
Black Pixel	Value reported as BlackPixel on grayscale and color monitors	xserver-black-pixel
White Pixel	Value reported as WhitePixel on grayscale and color monitors	xserver-white-pixel

XRemote Parameters

The parameters in the XRemote hide box affect the use of XRemote.

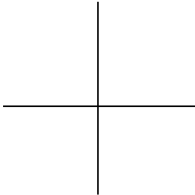
XRemote Field	Description	Corresponding Parameters
Data Compression Mode	Compression method for XRemote data packets	xremote-data-compression-mode
Authorize XRemote Clients	XRemote clients are authenticated	xremote-authorize-xremote-clients
Additional Escape Chars	Additional escape characters, besides those in the pre-defined list, are defined	xremote-additional-escape-chars
Allow XRemote TCP Connection	XRemote/TCP connections are allowed	xremote-allow-xremotetcp-connection
TCP Port Number	TCP port on which the terminal listens for XRemote connections	xremote-tcp-port



3270 Terminal Emulation Parameters

The parameters in the 3270 Terminal Emulation hide box affect the use of the 3270 terminal emulator.

3270 Terminal Emulation Field	Description	Corresponding Parameters
Enable 3270 Terminal Emulation	Enables 3270 emulation	ncd3270-enable-3270-emulation
NCD3270 Default Protocol	Default connection protocol	ncd3270-default-protocol
NCD3270 Default Model	Default 3270 model type	ncd3270-default-model
TN3270 Default Host	Default host for TN3270 connections	ncd3270-tn-default-host
TN3270 Default tcp Port	Default TCP port for TN3270 connections	ncd3270-pu21-default-port
PU2.1 Default Host	Default host for Brixton PU2.1 connections	ncd3270-pu21-default-host
PU2.1 Default tcp Port	Default TCP port for Brixton PU2.1 connections	ncd3270-pu21-default-port
EHLLAPI A Default tcp Port	Default TCP port for EHLLAPI connections	ncd270-ehllapia-default-port
Default Hosts	Hosts presented by default in the 3270 Host Chooser	ncd3270-default-hosts



Using Change User Preferences

Change User Preferences allows users or system administrators to set user preferences.

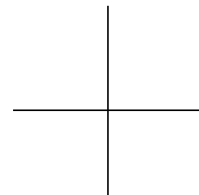
By default, you access Change User Preferences from the Console window's Setup menu (Setup \Rightarrow Change User Preferences). For other methods of displaying this local client, information about disabling it, and directions for creating a user preferences file that is loaded when the user logs in, see the *System Administrator's Guide*.

Components of the Change User Preferences Window

Change User Preferences is composed of a series of hide boxes providing access to fields that correspond to remote configuration parameters in the pref group.

Change User Preferences has a menu bar with a File menu and a Sections menu, a messages area, and several buttons:

- ❑ The File menu provides commands for writing values to and reading values from files and NVRAM:
 - Save to File—Specifies the name of a file to which all current parameter settings should be written. A popup dialog box presents the default filename or the last filename entered during this session.
 - Read from File—Specifies a file from which all parameter settings should be read for display in the Change User Preferences window. Presents the default filename or the last filename entered during this session.
 - Connect to New Unit—Presents a popup box requesting a terminal name and the **config-pref-read-only-password** or **config-pref-read-write-password** required for configuration data access. Displays that terminal's Change User Preferences window.
 - Close—Closes Change User Preferences.
- ❑ The Sections menu contains a listing of the Change User Preferences hide boxes, allowing you an alternative way to select one to open. You can also select a command to open or hide all hide boxes.



- ❑ The Messages area below the hide boxes displays Preferences daemon messages.
- ❑ The four buttons along the bottom of the window allow you to commit changes to the current X session or to the configuration database:
 - **Apply**—Applies current changes to the current X session. Applies changes to configuration files according to specifications set for the Auto Save feature. Parameters may take effect immediately after you click on **Apply**, at boot time, at session startup, or when a client is initialized. When you click on **Apply**, a message in the Messages area indicates when the change takes effect.
 - **Restart**—Removes changes that have not been applied.
 - **Defaults**—Loads parameter settings from the file defined in the **config-default-file** parameter. By default, the value in this parameter is the initial configuration file loaded at boot time.
 - **Cancel**—Removes changes that have not been applied and quits the Change User Preferences utility (closes the window).

Components of the Change User Preferences Hide Boxes

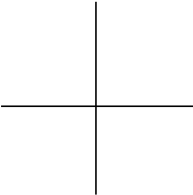
The following sections describe the Change User Preferences hide boxes and the fields in them. The tables describing the hide box contents include a description of each field and the name of the corresponding remote configuration parameter.

For more information about the preference parameters, see the *Remote Configuration Parameter Quick Reference*.

Audio Preferences

The Audio hide box affects the maximum volume of audio clients.

Audio Field	Description	Corresponding Parameter
Maximum Gain (percent)	Maximum volume of audio clients	pref-audio-maximum-gain



Bell Preferences

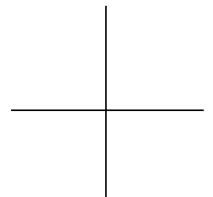
The parameters in the Bell hide box affect the terminal bell,

Bell Field	Description	Corresponding Parameter
Enable Bell	Turns bell on	pref-bell-enable
Bell Base Volume (percent)	Bell's base volume as a percentage of the maximum volume	pref-bell-volume
Bell Pitch (Hz)	Bell pitch	pref-bell-pitch
Bell Duration (milliseconds)	Bell duration	pref-bell-duration
Ring Bell	Rings the bell	none

Compatibility Preferences

The parameters in the Compatibility hide box ensure compatibility with older equipment or software.

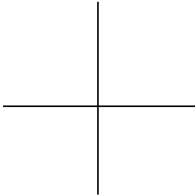
Compatibility Field	Description	Corresponding Parameter
Permit Old X Bugs	Bypasses error checks on requests that old X clients are not expected to fail	pref-compatibility-permit-old-x-bugs
Be Compatible With Old DECwindows Vendor String	Prefixes the display vendor string with DECwindows (for older DECwindows applications)	pref-compatibility-decwindows-vendor-string
Be Compatible With Old DECwindows Keyboards	Right modifiers mimic left modifiers (as with old DEC keyboards)	pref-compatibility-decwindows-keyboards
Be Compatible With Old DECwindows Images	Incoming X images are byte-swapped (not done by some old DECwindows applications)	pref-compatibility-decwindows-images



Console and Utilities Preferences

The parameters in the Console and Utilities hide box affect the Console, logout utility, screen lock utility and screen blank utility.

Console and Utilities Field	Description	Corresponding Parameter
Console Key Sequence	Non-standard key sequence for displaying the Console	pref-console-key-sequence
Automatic Logout After (minutes)	How long the terminal is idle before logging the user out	pref-console-auto-logout-idle-time
Automatic Logout Cancel Delay (seconds)	How long the terminal waits for the user to cancel an automatic logout	pref-console-auto-logout-cancel-delay
Automatic Lock Screen After (minutes)	How long the terminal is idle before automatically locking the screen	pref-console-auto-lock-idle-time
Lock Screen Default Password	Password for locking the screen	pref-console-lock-screen-default-password
Delay When Blanking Screen (milliseconds)	How long after the user selects Blank Screen before the screen goes blank	pref-console-blank-screen-delay
Show Console Message Timestamps	Timestamps are displayed with Console messages	pref-console-show-timestamps



Environment Variables Preferences

The Environment Variables hide box is used to set variables for certain local clients. If you are using the NCD Display Manager, user variables obtained from XDM (such as *HOME* and *USER*) appear in this field.

Environment Variables Field	Description	Corresponding Parameter
Environment Variables	Current environment variables for use by local clients	pref-environment

Font Preferences

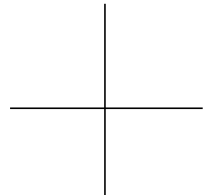
The parameters in the Font hide box affect font diagnostic messages and the directories in which the terminal searches for fonts.

Font Field	Description	Corresponding Parameter
Show Extended Font Diagnostics	All font actions that require file system or network access are reported	pref-font-extended-diagnostics
Current Font Path	Current font search path	pref-font-path

Keyboard Preferences

The parameters in the Keyboard hide box affect keyboard attributes.

Keyboard Preferences Field	Description	Corresponding Parameter
Function Key Style	How the X server interprets function keys	pref-keyboard-function-key-style
Enable Keyboard Autorepeat	Keys repeat automatically when held down	pref-keyboard-auto-repeat
Autorepeat Begin After (milliseconds)	How long a key must be held down before it starts repeating	pref-keyboard-auto-repeat-start

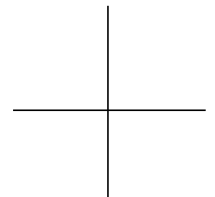


Keyboard Preferences Field	Description	Corresponding Parameter
Autorepeat Rate (keys per second)	How many times per second keys repeat when held down	pref-keyboard-auto-repeat-rate
Keyclick Volume (percent)	Volume of the keyclick (as a percentage of its maximum volume)	pref-keyboard-keyclick-volume
Led 1 Led 2 Led 3 Led 4 (on some keyboards)	The condition indicated by each keyboard LED	pref-keyboard-leds

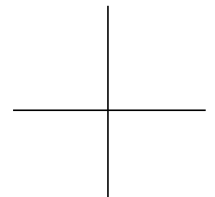
OpenGL Preferences

The parameters in the OpenGL hide box control graphics processing by applications that use OpenGL. This hide box appears on HMX and Explora 700 terminals only.

OpenGL Field	Description	Corresponding Parameter
Allow Dithering	Enables color dithering operations to improve color resolution when rendering to a visual with few color bit planes	pref-opengl-allow-dither
Allow Blending	Enables color blending control and operations for hidden surface elimination	pref-opengl-allow-depth
Allow Depth Test	Enables Z-buffering control and operations	pref-opengl-allow-depth
Allow Alpha Test	Enables alpha test control	pref-opengl-allow-alpha
Allow Scissor Test	Enables scissor test control and operation	pref-opengl-allow-scissor
Allow Stencil Test	Enables stencil test control and stenciling operation	pref-opengl-allow-stencil



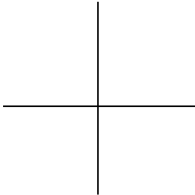
OpenGL Field	Description	Corresponding Parameter
Allow Polygon Stipple	Enables stippling operations	pref-opengl-allow-polygon-stipple
Allow Logical Operations	Bitwise logical operations are performed on pixels	pref-opengl-logic-operations
Fast Perspective Rendering	Enables fast perspective for rendering primitives in perspective viewing situations	pref-opengl-fast-perspective
Activate Alpha Buffer for RGBA Visuals	Allows built-in non-zero-depth alpha buffers to be used	pref-opengl-have-alpha-buffer
Enable 8-bit Color-Index double buffered Visual	Advertises 8-bit color-index double-buffered visual type to clients	pref-opengl-have-8cidb
Enable 8-bit Color-index single buffered visual	Advertises 8-bit color-index single-buffered visual type to clients	pref-opengl-have-8cisb
Enable 8-bit RGBA double buffered visual	Advertises 8-bit RGBA double-buffered visual type to clients	pref-opengl-have-8rgbdb
Enable 8-bit RGBA single buffered visual	Advertises 8-bit RGBA single-buffered visual type to clients	pref-opengl-have-8rgbsb
Enable 24-bit RGBA double buffered Visual	Advertises 24-bit RGBA double-buffered visual type to clients	pref-opengl-have-24rgbdb
Enable 24-bit RGBA single buffered Visual	Advertises 24-bit RGBA single-buffered visual type to clients	pref-opengl-have-24rgbdb



PEX Preferences

The parameters in the PEX hide box control certain aspects of applications that are based on the PEX extension. For descriptions of other PEX options, see “PEX Parameters” on page 9-33 and “PEX Color Parameters” on page 9-34. This hide box appears on HMX and Explora 700 terminals only.

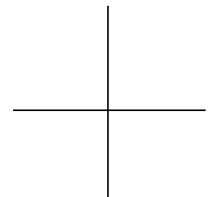
PEX Preferences Field	Description	Corresponding Parameter
Nominal Line Width (pixels)	Sets the standard width of lines and curves	pref-pex-nominal-line-width
Nominal Edge Width (pixels)	Sets the standard width of edges of surface primitives when displayed	pref-pex-nominal-edge-width
Nominal Marker Size (pixels)	Sets the standard size of marker primitives	pref-pex-nominal-marker-size
Dither Flat Shaded Surface	Enables dithering of flat shaded surfaces	pref-pex-dither-flat-shaded-surface
Dither Interpolated Surface	Enables dithering of Gouraud-shaded surfaces	pref-pex-dither-interpolated-surface
Surface Interior Style	Specifies the rendering style of surface interiors	pref-pex-surface-interior-style
Surface Interpolation Method	Specifies shading method for surface interiors	pref-pex-surface-interp-method
Surface Reflection Model	Specifies how to apply lighting effects to all surfaces	pref-pex-surface-reflect-model
Color Clipping Method	Specifies the method for correcting colors with RGB components outside the acceptable ranges	pref-pex-color-clipping-method



Pointing Devices Preferences

The parameters in the Pointing Devices hide box affect the mouse and other pointing devices.

Pointing Devices Field	Description	Corresponding Parameter
Current Pointing Device	Whether the pointer is a mouse or other device	pref-xserver-current-pointing-device
<i>Mouse section</i>		
Threshold Distance (pixels)	Number of pixels the mouse must be moved before the acceleration factor is applied	pref-mouse-threshold
Acceleration Ratio (percent)	Percentage by which the mouse motion threshold is multiplied to change the speed at which the pointer is moved	pref-mouse-acceleration
Button Arrangement	Right- or left-handed mouse button mapping	pref-mouse-arrangement
<i>Touchscreen section</i>		
Button Press Threshold	Relative force exerted on the touch screen before a button press event is generated	pref-xserver-touchscreen-button-press-threshold
Button Release Threshold	Relative force exerted on the touch screen before a button release event is generated	pref-xserver-touchscreen-button-release-threshold



Power Management Preferences

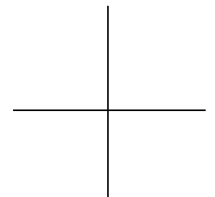
The parameters in the Power Management hide box affect power management on VESA-compliant monitors.

Power Management Field	Description	Corresponding Parameter
Enable VESA Monitor Power Management	Enables power management. WARNING: Enabling power management on equipment that is not VESA-compliant can cause serious risk of personal injury or equipment damage.	pref-power-manage-enable
Standby After (minutes)	How long the terminal is idle before the transition to the standby state	pref-power-manage-standby-time
Suspend After (minutes)	How long the terminal is idle before the transition to the suspend state	pref-power-manage-suspend-time
Powerdown After (minutes)	How long the terminal is idle before the transition to the power down state	pref-power-manage-powerdown-time

Screen Background Preferences

The parameters in the Screen Background hide box affect the screen background.

Screen Background Field	Description	Corresponding Parameter
Screen Background Type	Appearance of the screen background	pref-screen-background-type
Solid Color	Color if the screen background type is solid color	pref-screen-background-color
Bitmap File	Bitmap file if the screen background type is bitmap	pref-screen-background-bitmap-file

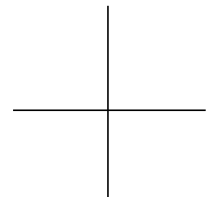


Screen Background Field	Description	Corresponding Parameter
Bitmap Foreground Color	Color of the foreground if the screen background type is bitmap	pref-screen-background-bitmap-foreground
Bitmap Background Color	Background color if the screen background type is bitmap	pref-screen-background-bitmap-background

Screen Saver Preferences

The parameters in the Screen Saver hide box affect the screen saver.

Screen Saver Field	Description	Corresponding Parameter
Enable Screen Saver	Turns on the screen saver	pref-screensaver-enable
Allow Exposures After Screen Saver	Causes clients to redraw themselves when the screen saver restores the screen	pref-screensaver-exposures
Save Screen After (seconds)	How long the terminal is idle before the screen saver starts	pref-screensaver-time
Change Screen Saver After (seconds)	How long the screen saver waits before modifying its pattern	pref-screensaver-interval
Screen Saver Style	Type of screen saver image	pref-screensaver-style
Screen Saver Bitmap File	Bitmap file if screen saver style is bitmap	pref-screensaver-bitmap-file



X, SIE, and Graphics Preferences

The parameters in the X, SIE, and Graphics hide box affect X graphics and performance attributes.

X, SIE, and Graphics Field	Description	Corresponding Parameter
Enable Benchmark Optimizations	Optimizes some graphics operations for benchmark testing	pref-xserver-benchmark-optimizations
Enable Graphics Optimizations	Optimizes some graphics operations with a possible loss in accuracy	pref-xserver-graphics-optimizations
Screen Resolution (dots per inch)	The resolution reported by the X server to clients and the font server	pref-xserver-screen-resolution
Use Backing Store	How backing store is provided to client windows	pref-xserver-backing-store
SIE Sampling Method	SIE sampling method used in scaling	pref-sie-sampling-method
SIE Contrast Threshold	Contrast value used in SIE scaling operations	pref-sie-contrast-threshold

