
**Network Administration Library
Library Directory**

Changes are periodically made to this document. Changes, technical inaccuracies, and typographic errors will be corrected in subsequent editions.

The content of this booklet is based on the Services 11.0 Release.

A Customer Comment Form is provided in this Network Administration Library. If this form has been removed, address comments to:

Xerox Corporation
Attn: Product Education (N1-12)
701 S. Aviation Blvd.
El Segundo, California 90245

Warning: As to equipment manufactured prior to October 1, 1983, such equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions manual, may cause interference to radio communications. As permitted by regulation, it had not been tested for compliance with the limits for Class A compliance with the limits for Class A computing devices pursuant to Subpart J of part 15 of FCC rules, which are designed to provide reasonable protection against such interference. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

As to equipment manufactured after October 1, 1983, such equipment complies with the requirements in Part 15 of FCC Rules for Class A computing devices. Such equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures may be required to correct the interference.

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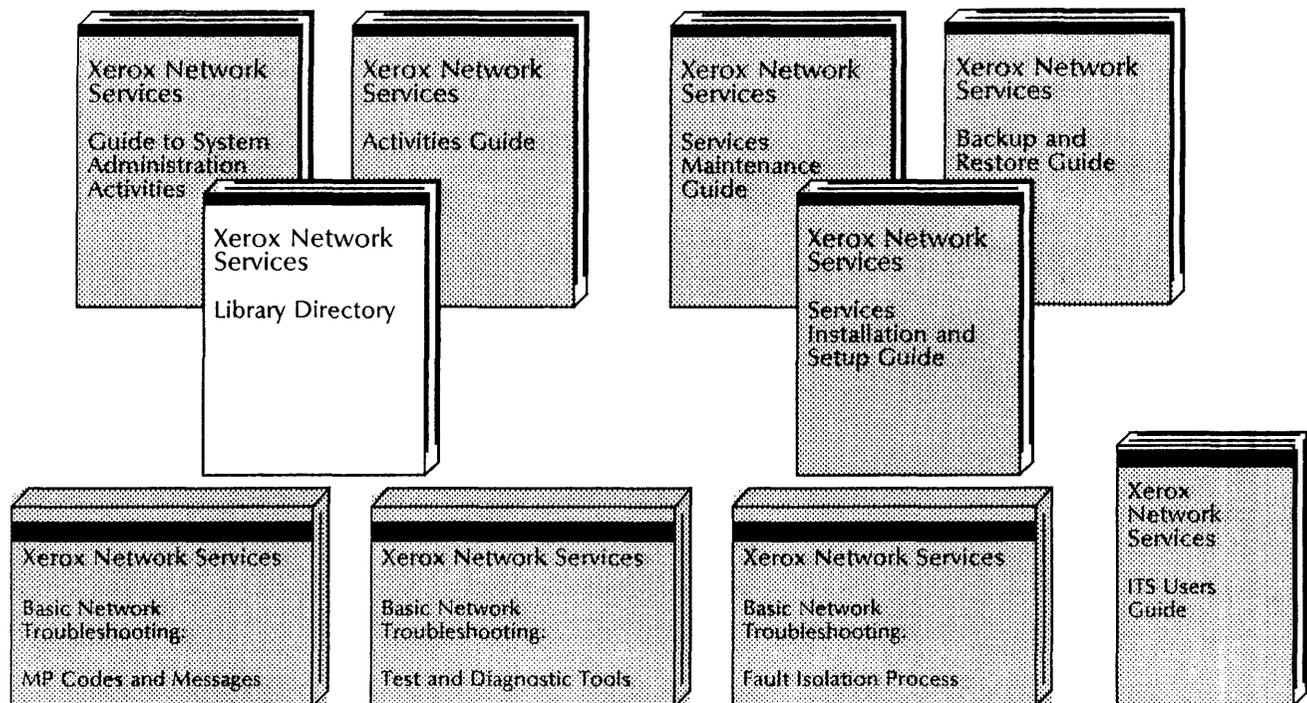
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The *Library Directory* is a quick reference tool you can use to locate information in the Network Administration Library.

Using the library

The *Library Directory* is one of the books that make up the Network Administration Library (Figure 1-1).

Figure 1-1. Network Administration Library structure



Reference books

These books contain information on network planning, network growth, and services.

- *Guide to System Administration Activities* - Helps you, the System Administrator, organize and control your installation, setup, and maintenance activities. This book is required reading for successful network administration.
- *Activities Guide* - An empty binder for storing your completed worksheets, and Remote System Administration logs.
- *Library Directory* - Contains the cumulative index for the Network Administration Library, a summary of services commands, a summary of services procedures, and a glossary.

Procedural books

These books contain complete procedures for the installation, setup, maintenance, backup, restore, and troubleshooting activities associated with each service.

- *Services Installation and Setup Guide* - Helps you install and set up your services.
- *Services Maintenance Guide* - Contains step-by-step procedures for maintenance tasks associated with your services.
- *Backup and Restore Guide* - Contains step-by-step procedures for your backup and restore tasks.
- *Basic Network Troubleshooting* - Contains step-by-step procedures and task-related information that help you identify, locate, describe, or solve a network services problem; or prepare to contact service or the System Customer Support Center. *Basic Network Troubleshooting* is composed of these three books:
 - *MP Codes and Messages* - Lists the problem messages and maintenance panel codes that display on your maintenance panel or server terminal. This book includes remedial steps for each problem code or message, and may direct you to one of the other books in the *Basic Network Troubleshooting* set.
 - *Fault Isolation Process* - Contains trouble isolation steps and remedial actions as directed from *MP Codes and Messages*.
 - *Test and Diagnostic Tools* - Contains diagnostic tests and recovery procedures as directed from *Fault Isolation Process* and *MP Codes and Messages*.

How to use this book

The *Library Directory* summarizes the network commands and procedures, and defines terms you need to know. The cumulative index directs you to other parts of the Network Administration Library.

Contents

Each chapter in this book has a slightly different presentation depending on the purpose it serves.

Command summary

This chapter provides an alphabetical listing of all network services commands.

Procedure summary

This chapter provides an alphabetical listing -- by service -- of all procedures.

Glossary

This chapter defines all unique terms.

Cumulative index

This chapter highlights significant information and concepts throughout the library.

This chapter lists the commands you use to set up and maintain your network. Each service requiring the use of the command is shown with the service context appearing first.

A

Name	Related service	Book
Activate Service	Services System Software	Services Maintenance Guide
Add Alias	Clearinghouse Service Boot Service	Services Maintenance Guide Services Installation and Setup Guide
Add Circuit	Internetwork Routing Service	Services Installation and Setup Guide
Add Communication Interface Unit	External Communication Service Services System Software	Services Installation and Setup Guide Services Installation and Setup Guide
Add Configuration	850/860 Gateway Service	Services Installation and Setup Guide
Add Controller	SNA Mail Relay (SNA Access))	Services Installation and Setup Guide Services Maintenance Guide
Add Directory	PC File Service	Services Installation and Setup Guide Services Maintenance Guide
Add Domain	Clearinghouse Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
Add File Drawer	File Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
	Boot Service Interactive Terminal Service Remote Batch Service	Services Installation and Setup Guide Services Installation and Setup Guide Services Installation and Setup Guide
Add Foreign Domain	Mail Service	Services Installation and Setup Guide Services Maintenance Guide
Add Foreign Gateway	Mail Service	Services Installation and Setup Guide Services Maintenance Guide
Add Foreign Gateway Mailbox	SNA Mail Relay (FGA)	Services Installation and Setup Guide Services Maintenance Guide
Add Group	Clearinghouse Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
	File Service Remote Batch Service	Backup and Restore Guide Services Installation and Setup Guide
Add IBM 3270 Host	External Communication Service	Services Installation and Setup Guide
Add Mailbox	Mail Service	Services Installation and Setup Guide Services Maintenance Guide
	850/860 Gateway Service	Services Installation and Setup Guide
Add Mail Link	SNA Mail Relay (SMR)	Services Installation and Setup Guide Services Maintenance Guide

Name	Related service	Book
Add Member	Clearinghouse Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
	File Service	Backup and Restore Guide
	Remote Batch Service	Services Installation and Setup Guide
Add Monitored Server	Server Monitor Service	Services Installation and Setup Guide Services Maintenance Guide
Add Net Share	PC File Service	Services Installation and Setup Guide Services Maintenance Guide
Add Partner	Remote Batch Service	Services Installation and Setup Guide
Add Port	Remote Batch Service	Services Installation and Setup Guide
Add Print Service	Clearinghouse Service	Services Maintenance Guide
Add RS232C Port	External Communication Service SNA Mail Relay (SNA Access))	Services Installation and Setup Guide Services Installation and Setup Guide Services Maintenance Guide
Add SNADS Network	SNA Mail Relay (SNA Access)	Services Installation and Setup Guide Services Maintenance Guide
Add User	Clearinghouse Service	Services Installation and Setup Guide Services Maintenance Guide
	850/860 Gateway Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
	Services System Software	Services Installation and Setup Guide
Add User Notification	Server Monitor Service	Services Maintenance Guide
Add XNS Domains	SNA Mail Relay (SMR)	Services Installation and Setup Guide Services Maintenance Guide
Add X25 Network	Internetwork Routing Service	Services Installation and Setup Guide Services Maintenance Guide
	Services System Software	Services Installation and Setup Guide
Assign IBM 3270 Default Host	External Communication Service	Services Installation and Setup Guide Services Maintenance Guide
Assign IBM 3270 Host	External Communication Service	Services Installation and Setup Guide

B

Backup	Clearinghouse Service	Backup and Restore Guide
Backup Database	SNA Mail Relay (SMR)	Services Maintenance Guide
Backup Databases	Librarian Service	Backup and Restore Guide Services Maintenance Guide
	SNA Mail Relay	Services Maintenance Guide
Backup File System	File Service	Backup and Restore Guide
Backup Server Monitor	Server Monitor Service	Backup and Restore Guide

C

Cancel All Documents	Print Service	Services Maintenance Guide
Cancel Document	Print Service	Services Maintenance Guide
Cartridge Tape	Test	Test and Diagnostic Tools
Change Circuit	Internetwork Routing Service	Services Maintenance Guide

Name	Related service	Book
Change Communication Interface Unit	External Communication Service	Services Maintenance Guide
Change Configuration	850/860 Gateway Service	Services Maintenance Guide
Change Controller	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Change Database	SNA Mail Relay (SMR)	Services Maintenance Guide
Change Default	Clearinghouse Service	Services Maintenance Guide
Change Domain Access	Clearinghouse Service	Backup and Restore Guide
		Services Installation and Setup Guide
	File Service	Services Maintenance Guide
	Services System Software	Backup and Restore Guide
Change File Drawer	File Service	Services Installation and Setup Guide
	Interactive Terminal Service	Services Maintenance Guide
Change Foreign Gateway	Mail Service	Services Maintenance Guide
Change Group Access	Clearinghouse Service	Services Maintenance Guide
		Services Installation and Setup Guide
Change IBM 3270 Host	External Communication Service	Services Maintenance Guide
Change Mail Link	SNA Mail Relay (SMR)	Services Maintenance Guide
Change Net Share	PC File Service	Services Maintenance Guide
Change Organization Access	Clearinghouse Service	Backup and Restore Guide
		Services Installation and Setup Guide
	Services System Software	Services Maintenance Guide
Change Partner	Remote Batch Service	Services Installation and Setup Guide
Change Password	Clearinghouse Service	Services Maintenance Guide
Change Port	Remote Batch Service	Services Maintenance Guide
Change Print Service	Clearinghouse Service	Services Maintenance Guide
Change Profile	Services System Software	Services Maintenance Guide
	Boot Service	Services Maintenance Guide
	File Service	Services Maintenance Guide
Change RS232C Port	External Communication Service	Services Maintenance Guide
	Mail Service	Services Maintenance Guide
	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Change Sampling Rate	Server Monitor Service	Services Maintenance Guide
Change SNADS Network	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Change User	Clearinghouse Service	Services Maintenance Guide
	File Service	Services Maintenance Guide
Change Volume	Services System Software	Services Maintenance Guide
	File Service	Backup and Restore Guide
Change X25 Network	Internetwork Routing Service	Services Maintenance Guide
Checkin Libject	Librarian Service	Services Maintenance Guide
CIU	Test	Test and Diagnostic Tools
Clear Problems	SNA Mail Relay (FGA)	Services Maintenance Guide
Close File	PC File Service	Services Maintenance Guide
Close Volume	Services System Software	Services Maintenance Guide
	File Service	Backup and Restore Guide
Compare Databases	Clearinghouse Service	Backup and Restore Guide
		Services Maintenance Guide
Copy Container	File Service	Backup and Restore Guide
		Services Maintenance Guide
	PC File Service	Services Maintenance Guide
Copy Volume	File Service	Backup and Restore Guide
Create Database	Librarian Service	Backup and Restore Guide
		Services Maintenance Guide
		Services Installation and Setup Guide

Name	Related service	Book
Create Volume	Services System Software File Service	Services Maintenance Guide Services Installation and Setup Guide
<hr/>		
D		
Deactivate Service	Services System Software	Services Maintenance Guide
Delete	Clearinghouse Service File Service	Services Maintenance Guide Services Maintenance Guide
Delete Alias	Clearinghouse Service	Services Maintenance Guide
Delete Circuit	Internetwork Routing Service	Services Maintenance Guide
Delete Communication Interface Unit	External Communication Service	Services Maintenance Guide
Delete Configuration	850/860 Gateway Service	Services Maintenance Guide
Delete Controller	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Delete Desktop	File Service	Services Maintenance Guide
Delete Directory	PC File Service	Services Maintenance Guide
Delete Domain	Clearinghouse Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
Delete Files	Services System Software	Backup and Restore Guide Services Maintenance Guide
	Boot Service	Services Maintenance Guide
Delete File Drawer	File Service	Services Maintenance Guide
Delete Font	Print Service	Services Maintenance Guide
Delete Foreign Domain	Mail Service	Services Maintenance Guide
Delete Foreign Gateway	Mail Service	Services Maintenance Guide
Delete IBM 3270 Host	External Communication Service	Services Maintenance Guide
Delete Mailbox	Mail Service	Services Maintenance Guide
Delete Mail Link	SNA Mail Relay (SMR)	Services Maintenance Guide
Delete Member	Clearinghouse Service	Services Maintenance Guide
Delete Obsolete Backup Increments	File Service	Backup and Restore Guide
Delete Old Versions	File Service	Services Maintenance Guide
Delete Partner	Remote Batch Service	Services Maintenance Guide
Delete Port	Remote Batch Service	Services Maintenance Guide
Delete Remote Files	Services System Software	Services Maintenance Guide
Delete RS232C Port	External Communication Service SNA Mail Relay (SNA Access)	Services Maintenance Guide Services Maintenance Guide
Delete SNADS Network	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Delete Test Pattern	Print Service	Services Maintenance Guide
Delete XNS Domains	SNA Mail Relay (SMR)	Services Maintenance Guide
Delete X25 Network	Internetwork Routing Service	Services Maintenance Guide
Describe RS232C Port	External Communication Service	Services Maintenance Guide
Destroy Database	Librarian Service	Backup and Restore Guide Services Maintenance Guide
Dialer	Test	Test and Diagnostic Tools
Disable	Services System Software	Services Maintenance Guide

E

Echo	Test	Test and Diagnostic Tools
-------------	-------------	----------------------------------

Name	Related service	Book
Enable	Services System Software	Services Installation and Setup Guide Services Maintenance Guide
Enable Manual Registration	Clearinghouse Service	Services Maintenance Guide
Expunge Mail Gateway	Mail Service	Services Maintenance Guide
Expunge Service	Services System Software	Services Maintenance Guide
	Clearinghouse Service	Backup and Restore Guide
	File Service	Backup and Restore Guide
	Internetwork Routing Service	Services Maintenance Guide Services Maintenance Guide
<hr/>		
F		
Floppy	Test	Test and Diagnostic Tools
Force Backup	Mail Service	Backup and Restore Guide
<hr/>		
H		
Help CMS	Communications Monitoring Service	Services Maintenance Guide
High Capacity Tape	Test	Test and Diagnostic Tools
<hr/>		
I		
Install Etherboot Files	Boot Service	Services Installation and Setup Guide Services Maintenance Guide
Install Fonts and Test Patterns	Print Service	Services Installation and Setup Guide
Install From Floppy	Print Service	Services Installation and Setup Guide
Install Service	Services System Software	Services Installation and Setup Guide Services Maintenance Guide
<hr/>		
L		
List All RS232C Ports	Services System Software	Services Maintenance Guide
List Boot Statistics	Boot Service	Services Maintenance Guide
List Circuits	Internetwork Routing Service	Services Maintenance Guide
List Communication Interface Units	External Communication Service	Services Maintenance Guide
List Configuration	850/860 Gateway Service	Services Maintenance Guide
List Contents	Remote Batch Service	Services Maintenance Guide
List Databases	Librarian Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
List Desktops	File Service	Backup and Restore Guide Services Maintenance Guide
List Directory	PC File Service	Services Maintenance Guide
List Documents	Print Service	Services Maintenance Guide
List Etherboot Files	Boot Service	Services Maintenance Guide
List Event Loggers	SNA Mail Relay (SNA Access)	Services Maintenance Guide
List Executives	Services System Software	Services Maintenance Guide

Name	Related service	Book
List Files	Services System Software Boot Service	Services Maintenance Guide Services Maintenance Guide
List File Drawers	File Service	Backup and Restore Guide Services Maintenance Guide
List Floppy Files	Boot Service	Services Maintenance Guide
List Fonts	Print Service	Services Maintenance Guide
List Foreign Domains	Mail Service	Services Maintenance Guide
List Foreign Gateways	Mail Service	Services Maintenance Guide
List IBM 3270 Host	External Communication Service	Services Maintenance Guide
List < object >	Clearinghouse Service	Services Maintenance Guide
List Mailboxes	Mail Service	Services Maintenance Guide
List Mail Links	SNA Mail Relay (SMR)	Services Maintenance Guide
List Maps	SNA Mail Relay (FGA)	Services Maintenance Guide
List Monitored Servers	Server Monitor Service	Backup and Restore Guide Services Maintenance Guide
List Net Shares	PC File Service	Services Maintenance Guide
List Open Files	PC File Service	Services Maintenance Guide
List Problems	SNA Mail Relay (FGA)	Services Maintenance Guide
List Remote Files	Services System Software	Services Maintenance Guide
List Remote Server's Event Recipients	Server Monitor Service	Services Maintenance Guide
List Routes	Internetwork Routing Service Clearinghouse Service	Services Maintenance Guide Services Maintenance Guide
List RS232C Ports	External Communication Service	Services Maintenance Guide
List Servers	Test	Test and Diagnostic Tools
List Services	Services System Software Clearinghouse Service	Services Maintenance Guide Backup and Restore Guide
List Software Options	Services System Software	Services Maintenance Guide
List SNADS Networks	SNA Mail Relay (SNA Access)	Services Maintenance Guide
List Test Patterns	Print Service	Services Maintenance Guide
List Users	File Service Interactive Terminal Service	Services Maintenance Guide Services Maintenance Guide
List User Notifications	Server Monitor Service	Services Maintenance Guide
List Volumes	Services System Software File Service Print Service	Services Maintenance Guide Backup and Restore Guide Services Maintenance Guide
List XNS Domains	SNA Mail Relay (SMR)	Services Maintenance Guide
List X25 Network	Internetwork Routing Service	Services Maintenance Guide
Logoff	Services System Software	Services Maintenance Guide
Logon	Services System Software	Services Installation and Setup Guide Services Maintenance Guide

O

Offline Volume	File Service	Backup and Restore Guide Services Maintenance Guide
Online Volume	File Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
Open Volume	Services System Software File Service	Services Maintenance Guide Backup and Restore Guide Services Maintenance Guide

Name	Related service	Book
P		
Print Test Pattern Proceed	Print Service Services System Software	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
	Clearinghouse Service File Service	Backup and Restore Guide Backup and Restore Guide
Proceed (Genesis)	Services System Software	Services Maintenance Guide
Q		
Query Target Print Service	Print Service	Services Maintenance Guide
Quit Connection	Services System Software	Services Maintenance Guide
Quit Connection (remote)	Services System Software	Services Maintenance Guide
R		
Recover Database	Librarian Service	Backup and Restore Guide Services Maintenance Guide
Register	Internetwork Routing Service Services System Software	Services Installation and Setup Guide Services Installation and Setup Guide
Register Communications Monitoring Service	Communications Monitoring Service	Services Installation and Setup Guide
Register Database	Librarian Service	Services Installation and Setup Guide Services Maintenance Guide
Register Server	Services System Software	Services Installation and Setup Guide Services Maintenance Guide
Remove Monitored Server	Server Monitor Service	Services Maintenance Guide
Remove Net Share	PC File Service	Services Maintenance Guide
Remove User Notification	Server Monitor Service	Services Maintenance Guide
Rename	Internetwork Routing Service Interactive Terminal Service	Services Maintenance Guide Services Maintenance Guide
Rename Communications Monitoring Service	Communications Monitoring Service	Services Maintenance Guide
Rename Print Service	Print Service	Services Maintenance Guide
Rename Service	External Communication Service Remote Batch Service	Services Maintenance Guide Services Maintenance Guide
Report Disk Usage	File Service	Services Maintenance Guide
Reset Context	Services System Software	Services Maintenance Guide
Reset History	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Reset Statistics	File Service PC File Service Print Service	Services Maintenance Guide Services Maintenance Guide Services Maintenance Guide
Restore	Clearinghouse Service	Backup and Restore Guide
Restore Container	File Service	Backup and Restore Guide Services Maintenance Guide
	PC File Service	Services Maintenance Guide
Restore Database	SNA Mail Relay (SMR)	Services Maintenance Guide
Restore File System	File Service	Backup and Restore Guide

Name	Related service	Book
Retrieve Files	Services System Software	Backup and Restore Guide Services Maintenance Guide
Retrieve Floppy Files	Boot Service	Services Installation and Setup Guide Services Maintenance Guide
RS232C	Clearinghouse Service	Services Installation and Setup Guide
Run Service	Test	Test and Diagnostic Tools
	Services System Software	Services Installation and Setup Guide Services Maintenance Guide
	Clearinghouse Service	Services Maintenance Guide Services Installation and Setup Guide
	Mail Service	Backup and Restore Guide

S

Save Log	Communications Monitoring Service	Services Maintenance Guide
Set Authentication Level	Librarian Service	Services Installation and Setup Guide Services Maintenance Guide
Set Backup Path	Librarian Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
Set Backup Parameters	File Service	Backup and Restore Guide
	Mail Service	Backup and Restore Guide
Set Banner	Print Service	Services Maintenance Guide
Set Default Substitution Font	Print Service	Services Maintenance Guide
Set Interpretation	Remote Batch Service	Services Maintenance Guide
Set Log Attributes	Communications Monitoring Service	Services Maintenance Guide
Set Log Name	Communications Monitoring Service	Services Maintenance Guide
Set Monitoring Profile	Communications Monitoring Service	Services Installation and Setup Guide Services Maintenance Guide
Set Parameters	Print Service	Services Maintenance Guide
Set Protocol	Communications Monitoring Service	Services Maintenance Guide
Set Readers	Librarian Service	Services Installation and Setup Guide Services Maintenance Guide
Set Remote Directory	Services System Software	Backup and Restore Guide Services Maintenance Guide
Set Remote Log Handling	Communications Monitoring Service	Services Installation and Setup Guide Services Maintenance Guide
Set Writers	Librarian Service	Services Installation and Setup Guide Services Maintenance Guide
Set Software Options	Services System Software	Services Maintenance Guide
Set Target Print Service	Print Service	Services Installation and Setup Guide Services Maintenance Guide
Set Tracing	Interactive Terminal Service	Services Maintenance Guide
Show Active Log	Communications Monitoring Service	Services Maintenance Guide
Show Activity	File Service	Services Maintenance Guide Backup and Restore Guide
	PC File Service	Services Maintenance Guide

Name	Related service	Book
Show Backup Index	Mail Service	Services Maintenance Guide
Show Backup Parameters	File Service	Backup and Restore Guide
	File Service	Backup and Restore Guide
	Mail Service	Backup and Restore Guide
Show Controller	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Show Default	Clearinghouse Service	Services Maintenance Guide
Show Delays	Mail Service	Services Maintenance Guide
Show Domain	Clearinghouse Service	Backup and Restore Guide
		Services Installation and Setup Guide
		Services Maintenance Guide
Show Ethernet Statistics	Test	Test and Diagnostic Tools
Show Files	Services System Software	Services Maintenance Guide
Show Foreign Gateway	Mail Service	Services Maintenance Guide
Show Group Access	Clearinghouse Service	Services Maintenance Guide
Show History	Mail Service	Services Maintenance Guide
	SNA Mail Relay (SMR)	Services Maintenance Guide
	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Show Interpretation	Remote Batch Service	Services Maintenance Guide
Show Log	Communications Monitoring Service	Services Maintenance Guide
Show Logged On User	Services System Software	Services Installation and Setup Guide
		Services Maintenance Guide
Show Mail Link Parameters	SNA Mail Relay (SMR)	Services Maintenance Guide
Show Message Lengths	Mail Service	Services Maintenance Guide
Show Monitored Server Statistics	Server Monitor Service	Services Maintenance Guide
Show Name Translation	PC File Service	Services Maintenance Guide
Show Monitoring Profile	Communications Monitoring Service	Services Maintenance Guide
	Clearinghouse Service	Services Maintenance Guide
Show <object>	Mail Service	Services Maintenance Guide
Show Other Servers	Remote Batch Service	Services Maintenance Guide
Show Partner	Remote Batch Service	Services Maintenance Guide
Show Port	Remote Batch Service	Services Maintenance Guide
Show Profile	Services System Software	Services Maintenance Guide
Show RS232C Ports	SNA Mail Relay (SNA Access)	Services Maintenance Guide
Show RS232C Port Statistics	External Communication Service	Services Maintenance Guide
	Mail Service	Services Maintenance Guide
Show Server Monitor Configuration	Server Monitor Service	Services Installation and Setup Guide
	Services Maintenance Guide	
Show Statistics	Communications Monitoring Service	Services Installation and Setup Guide
		Services Maintenance Guide
	File Service	Backup and Restore Guide
		Services Maintenance Guide
	Internetwork Routing Service	Services Maintenance Guide
	PC File Service	Services Maintenance Guide
	Remote Batch Service	Services Maintenance Guide
Show Status	Clearinghouse Service	Services Maintenance Guide
	File Service	Backup and Restore Guide
	Print Service	Services Maintenance Guide
	Mail Service	Services Maintenance Guide
	SNA Mail Relay (SMR)	Services Maintenance Guide
	SNA Mail Relay (SNA Access)	Services Maintenance Guide
	SNA Mail Relay (FGA)	Services Maintenance Guide

Name	Related service	Book
Show SNADS Network Parameters Show Time Show Usage Show User Shutdown Mail Relay Shutdown Mail Service Shutdown Printer Start	SNA Mail Relay (SNA Access) Services System Software Mail Service Clearinghouse Service SNA Mail Relay (SMR) Mail Service Print Service Internetwork Routing Service 850/860 Gateway Service External Communication Service Print Service Server Monitor Service	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide Services Maintenance Guide Backup and Restore Guide Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Start Circuit	Internetwork Routing Service Services System Software	Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Start Communications Monitoring Service Start Controller	Communications Monitoring Service SNA Mail Relay (SNA Access))	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
Start Diagnostic	Print Service	Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Start Event Logging	SNA Mail Relay (SNA Access)	Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Start IBM 3270 Emulation	External Communication Service	Services Installation and Setup Guide Services Maintenance Guide
Start Logging	Communications Monitoring Service	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
Start Printing	Print Service	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
Start Queuing Start Service	Print Service Services System Software Boot Service	Services Maintenance Guide Services Installation and Setup Guide Services Installation and Setup Guide Services Maintenance Guide
	Clearinghouse Service	Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide
	Communications Monitoring Service Interactive Terminal Service Librarian Service	Services Installation and Setup Guide Services Maintenance Guide Backup and Restore Guide
	Remote Batch Service	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
Stop	Internetwork Routing Service 850/860 Gateway Service External Communication Service	Services Maintenance Guide Services Installation and Setup Guide Services Installation and Setup Guide Services Maintenance Guide
	Print Service Server Monitor Service	Services Maintenance Guide Backup and Restore Guide

Name	Related service	Book
Stop Backup Stop Circuit	File Service Internetwork Routing Service External Communication Service Remote Batch Service	Services Maintenance Guide Backup and Restore Guide Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Stop Communications Monitoring Service	Communications Monitoring Service	Services Maintenance Guide
Stop Controller Stop Event Logging Stop IBM 3270 Emulation	SNA Mail Relay (SNA Access) SNA Mail Relay (SNA Access)) External Communication Service	Services Maintenance Guide Services Maintenance Guide Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide
Stop Logging	Communications Monitoring Service	Services Maintenance Guide
Stop Printing	Print Service	Services Installation and Setup Guide Services Maintenance Guide
Stop Queuing Stop Service	Print Service Services System Software Boot Service Clearinghouse Service Communications Monitoring Service File Service Interactive Terminal Service Librarian Service Mail Service Remote Batch Service	Services Maintenance Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide Services Installation and Setup Guide Backup and Restore Guide Services Maintenance Guide Services Maintenance Guide Backup and Restore Guide Services Maintenance Guide Backup and Restore Guide Services Installation and Setup Guide Services Maintenance Guide Services Installation and Setup Guide
Store Files	Services System Software	Services Installation and Setup Guide Backup and Restore Guide Services Maintenance Guide

T

Toggle Tracing	Librarian Service	Services Maintenance Guide
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U

Unregister Database	Librarian Service	Services Maintenance Guide
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V

Verify Clearinghouse Entries	Services System Software External Communication Service	Services Installation and Setup Guide Services Installation and Setup Guide Services Maintenance Guide
Verify Monitored Server	Server Monitor Service	Services Maintenance Guide

Name

Related service

Book

W

Wakeup Printer

Print Service

Services Maintenance Guide

Boot Service

Name and description

Book

Initializing the Boot Service

Names the service and registers it in the Clearinghouse

Services Installation and Setup Guide

Installing the Boot Service database

Installs the Etherboot files in the server's working directory

Services Installation and Setup Guide

Listing boot files in the Boot Service database

Lists the Etherboot and Boot Service profile files in the server's working directory

Services Maintenance Guide

Listing boot statistics

Lists boot file activity and monitors the network load

Services Maintenance Guide

Listing files on the installation media

Lists the Etherboot and Boot Service profile files on the installation media

Services Maintenance Guide

Preparing for network installation of workstation software

Sets up an alias at the Clearinghouse and two file drawers at the File Service for loading workstation software over the network

Services Installation and Setup Guide

Reconfiguring the Boot Service database

Deletes Etherboot and Boot Service profile files from the server's working directory, and installs new ones

Services Maintenance Guide

Clearinghouse Service

Adding a copy of a domain (replicating)

Copies a Clearinghouse Service domain in a multiple-CHS network

Backup and Restore Guide
Services Maintenance Guide

Adding users

Adds users to the Clearinghouse database

Services Installation and Setup Guide
Services Maintenance Guide

Adding user groups

Adds user groups to the Clearinghouse database

Services Installation and Setup Guide

Adding user groups and members

Adds user groups and group members to the Clearinghouse

Services Maintenance Guide

Backing up a single Clearinghouse Service

Backs up a Clearinghouse Service in a single-CHS network

Backup and Restore Guide

Changing and showing the default domain

Changes the default domain for the Clearinghouse Service

Services Maintenance Guide

Changing a user's alias

Adds or changes aliases for a user

Services Maintenance Guide

Changing a user's password

Changes a user's password

Services Maintenance Guide

Name and description	Book
Changing a user's registered name Changes the name registered in the Clearinghouse database	Services Maintenance Guide
Changing domain access Adds, changes, or removes user or group domain access controls	Services Maintenance Guide
Changing group access Sets user group access privileges	Services Maintenance Guide
Changing organization access Changes access privileges for an organization	Services Maintenance Guide
Changing user information Changes a user's description and home File Service	Services Maintenance Guide
Correcting domain inconsistency Corrects inconsistencies between domains	Services Maintenance Guide
Creating domains Adds a new domain, or shares domains between networks	Services Maintenance Guide
Deleting a domain Deletes the last or next-to-last domain copy	Services Maintenance Guide
Deleting a group Deletes user groups from a domain	Services Maintenance Guide
Deleting a member from a group Deletes a member from a group	Services Maintenance Guide
Deleting a registered object Deletes a user or object in the Clearinghouse database	Services Maintenance Guide
Enabling manual registration for Print Services Registers a printing option in the Clearinghouse database	Services Maintenance Guide
Expanding the Clearinghouse database Increases the disk page size in the Clearinghouse database	Services Maintenance Guide
Initializing the second or a subsequent Clearinghouse Initializes the second or subsequent Clearinghouse	Services Installation and Setup Guide
Listing objects registered in a domain Lists the different objects registered in a domain	Services Maintenance Guide
Manually updating Clearinghouses connected by dial-up links Ensures the consistency among Clearinghouses	Services Maintenance Guide
Merging internetworks Merges two Clearinghouses on two networks	Services Maintenance Guide
Removing the Clearinghouse Service from a server Permanently deletes the Clearinghouse Service database	Services Maintenance Guide
Replicating domains Replicates a Clearinghouse domain to other Clearinghouses	Services Installation and Setup Guide
Restoring a single Clearinghouse database Restores a Clearinghouse Service in a single-CHS network	Backup and Restore Guide
Restoring replicated domains Restores a Clearinghouse database in a multiple-CHS network	Backup and Restore Guide
Showing the Clearinghouse status Displays the status of the Clearinghouse Service	Services Maintenance Guide
Showing domains Shows the access and replication status for a domain	Services Maintenance Guide
Showing group access Shows the access controls for a group	Services Maintenance Guide
Showing user information Shows a description for a user	Services Maintenance Guide
Showing objects registered in a domain Shows a description of objects in a domain	Services Maintenance Guide

Name and description	Book
Communications Monitoring Service	
Changing log attributes	
Changes the attributes of the working log	Services Maintenance Guide
Changing remote log handling	
Changes the parameters for remote log handling	Services Maintenance Guide
Changing the log name	
Renames the working log	Services Maintenance Guide
Changing the monitoring profile	
Changes parameters in the monitoring profile; starts and stops auto-logging	Services Maintenance Guide
Changing the protocol	
Changes the type of protocol monitoring	Services Maintenance Guide
Displaying a log	
Shows the working log	Services Maintenance Guide
Getting on-line help	
Displays the service help information	Services Maintenance Guide
Initializing the Communications Monitoring Service	
Registers the Communications Monitoring Service	Services Installation and Setup Guide
Manually registering the Communications Monitoring Service	
Manually registers the service in the Clearinghouse Service	Services Installation and Setup Guide
Monitoring SNA communications	
Sets up the profile for monitoring SNA communications	Services Installation and Setup Guide
Monitoring X.25 communications	
Sets up the profile for monitoring X.25 communications	Services Installation and Setup Guide
Monitoring RS232C communications	
Sets up the profile for monitoring RS232C communications	Services Installation and Setup Guide
Renaming the Communications Monitoring Service	
Changes the name of the service	Services Maintenance Guide
Saving a working log file	
Saves a working log to a File Service	Services Maintenance Guide
Setting up auto-logging	
Sets up the monitoring profile for auto-logging	Services Installation and Setup Guide
Showing an active log	
Shows one of the active logs	Services Maintenance Guide
Showing the monitoring profile	
Displays the setup of the monitoring profile	Services Maintenance Guide
Showing the statistics	
Displays the service statistics	Services Maintenance Guide
Starting the logging process	
Starts the Communications Monitoring Service logging	Services Maintenance Guide
Stopping the logging process	
Stops the Communications Monitoring Service logging	Services Maintenance Guide
850/860 Gateway Service	
Adding a mail clerk	
Adds the mail clerk as a user to the Clearinghouse Service	Services Installation and Setup Guide
Changing the 850/860 Gateway Service configuration	
Changes the description of the Gateway Service	Services Maintenance Guide

Name and description

Book

Checking for mail

Forwards mail to other users on the network

Services Maintenance Guide

Configuring a local port

Identifies the mail clerk and defines the data transmission equipment connected to the local port

Services Installation and Setup Guide

Deleting the 850/860 Gateway Service configuration

Deletes local service information so you can change the configuration

Services Maintenance Guide

Giving your clerk a mailbox

Assigns a mailbox to the clerk through the Mail Service

Services Installation and Setup Guide

Initializing the 850/860 Gateway Service

Names and describes the Gateway Service and registers it in the Clearinghouse

Services Installation and Setup Guide

Listing the 850/860 Gateway Service configuration

Describes the port, identifies the mail clerk, and provides statistics for current activity

Services Maintenance Guide

External Communication Service

Adding a Communication Interface Unit

Names and registers a Communication Interface Unit

Services Installation and Setup Guide

Adding and assigning an IBM 3270 BSC host

Adds and assigns an IBM host for 3270 BSC emulation

Services Installation and Setup Guide

Adding and assigning an IBM 3270 SNA host

Adds and assigns an IBM 3270 SNA host

Services Installation and Setup Guide

Assigning a different IBM 3270 host

Assigns a different IBM 3270 host to a configured port

Services Maintenance Guide

Changing an asynchronous CIU port configuration

Changes CIU information for an asynchronous port

Services Maintenance Guide

Changing an IBM 3270 SNA CIU port configuration

Changes CIU information for an IBM 3270 SNA port

Services Maintenance Guide

Changing an asynchronous server port or Multiport configuration

Changes information for an asynchronous server port

Services Maintenance Guide

Changing an IBM 3270 BSC server port configuration

Changes information for an IBM 3270 BSC server port

Services Maintenance Guide

Changing an IBM 3270 SNA server port or Multiport configuration

Changes information for an IBM 3270 SNA server port

Services Maintenance Guide

Changing an IBM 3270 BSC host configuration

Changes the information for an IBM 3270 BSC host

Services Maintenance Guide

Changing an IBM 3270 SNA host configuration

Changes an IBM 3270 SNA host configuration

Services Maintenance Guide

Configuring a CIU port for asynchronous terminal emulation and dial-in

Configures and registers a CIU port for asynchronous terminal emulation and/or dial-in

Services Installation and Setup Guide

Configuring a CIU port for IBM 3270 SNA terminal emulation

Configures and registers a CIU for IBM 3270 SNA terminal emulation

Services Installation and Setup Guide

Configuring the server port for IBM 3270 BSC terminal emulation

Configures and registers the server port for IBM 3270 BSC emulation

Services Installation and Setup Guide

Configuring the server port or a Multiport for asynchronous terminal emulation and dial-in

Configures and registers the server port or Multiport Option

Name and description

Kit for asynchronous terminal emulation and/or dial-in
Configuring the server port or a Multiport for IBM 3270 SNA terminal emulation

Configures and registers the server port or the Multiport Option Kit for IBM 3270 SNA terminal emulation

Deleting an IBM 3270 host configuration

Removes an assigned IBM 3270 host configuration

Deleting an RS232C port or CIU configuration

Removes an RS232C port or CIU

Describing RS232C ports

Lists the line speed, duplexity, and other port information

Initializing the External Communication Service

Names and registers the External Communication Service

Listing External Communication Service information

Lists configured ports, hosts and CIUs

Renaming the External Communication Service

Changes the name of the service

Showing RS232C port statistics

Shows RS232C port information

Verifying Clearinghouse entries

Reregisters port information

Book

Services Installation and Setup Guide

 Services Installation and Setup Guide

 Services Maintenance Guide

 Services Maintenance Guide

 Services Maintenance Guide

 Services Installation and Setup Guide

 Services Maintenance Guide

 Services Maintenance Guide

 Services Maintenance Guide

 Services Installation and Setup Guide
 Services Maintenance Guide

File Service

Adding a backup volume group and a backup user

Adds a group and user to the Clearinghouse

Backup and Restore Guide

Backing up the file system--cartridge tape

Incrementally backs up a volume onto cartridge tape

Backup and Restore Guide

Backing up the file system--floppy disk

Incrementally backs up a volume onto floppy disk

Backup and Restore Guide

Backing up the file system--high-capacity cartridge tape

Incrementally backs up a volume onto high-capacity cartridge tape

Backup and Restore Guide

Backing up the file system--rigid disk

Incrementally backs up a volume onto rigid disk

Backup and Restore Guide

Changing file drawer information

Changes the file drawer name, owner, page limit, or access list

Services Maintenance Guide

Copying a primary volume to an auxiliary volume

Makes a copy of a primary volume onto another volume

Backup and Restore Guide

Copying an auxiliary volume to an auxiliary volume

Makes a copy of an auxiliary volume onto another volume

Backup and Restore Guide

Creating a backup file drawer

Adds a backup file drawer on a backup volume

Backup and Restore Guide

Creating private file drawers for users

Creates private file drawers for individual users

Services Installation and Setup Guide
 Services Maintenance Guide

Creating public file drawers for users

Creates public file drawers for users to share

Services Installation and Setup Guide
 Services Maintenance Guide

Deleting file drawers

Deletes unwanted file drawers from the File Service

Services Maintenance Guide

Deleting obsolete backup increments

Deletes backup increments from the backup volume

Backup and Restore Guide

Name and description**Expunging a File Service**

Deletes a File Service from the server

Formatting and partitioning a removable disk pack

Prepares a removable disk pack for use

Formatting a cartridge tape

Formats cartridge tapes for use

Initializing secondary volumes

Names secondary volumes on multiple-drive servers

Initializing the primary volume

Names and describes the primary volume on a server

Listing file drawers

Lists the names and attributes of all file drawers

Monitoring file drawer disk usage

Creates a disk usage report showing use of file drawer space

Monitoring File Service activity

Monitors the status and use of the File Service

Moving a File Service volume

Moves a File Service volume from one removable disk pack to another

Recovering file drawer space by deleting old file versions

Increases file drawer disk space by deleting old file versions

Recovering File Service disk space by deleting obsolete desktops

Increases File Service disk space by deleting obsolete desktops

Recovering File Service disk space by moving file drawers

Increases File Service disk space by moving file drawers to another volume

Restoring a container--cartridge tape or high-capacity cartridge tape

Restores objects backed up to a cartridge tape or high-capacity cartridge tape

Restoring a container--floppy disk

Restores objects backed up to a floppy disk

Restoring a container--rigid disk

Restores objects backed up to a rigid disk

Restoring the file system--cartridge tape or high-capacity cartridge tape

Restores data backed up on a cartridge tape or high-capacity cartridge tape

Restoring the file system--floppy disk

Restores data backed up on a floppy disk

Restoring the file system--rigid disk

Restores data backed up on a rigid disk

Selective backup: copying a container

Copies objects in a container

Setting backup parameters

Sets the parameters that control incremental backup

Showing the backup index

Locates files before you restore them

Stopping backup

Stops a manual or automatic backup

Using Copy Volume with incremental backup

Copies a volume and generates incremental file backups

Validating desktops

Ensures that all desktops are intact and usable

Book

Services Maintenance Guide

Backup and Restore Guide

Backup and Restore Guide

Services Installation and Setup Guide

Services Installation and Setup Guide

Services Maintenance Guide

Backup and Restore Guide

Services Maintenance Guide

Name and description	Book
<hr/> Interactive Terminal Service <hr/>	
Changing the ITS User Profiles drawer Changes the owner, the page limit, or the access privileges for a specific user or group	Services Maintenance Guide
Creating the ITS User Profiles drawer Adds an ITS User Profiles drawer to each File Service supporting ITS users	Services Installation and Setup Guide
Initializing the Interactive Terminal Service Defines the number of users and file pages per user; names and describes the ITS and registers it in the Clearinghouse	Services Installation and Setup Guide
Listing user activity Lists current Interactive Terminal Service activity	Services Maintenance Guide
Monitoring Interactive Terminal Service sessions Provides an ongoing record of ITS activity	Services Maintenance Guide
Reconfiguring Interactive Terminal Service resources Changes the number of users that can access the ITS at the same time and the page limit for each user	Services Maintenance Guide
Renaming the Interactive Terminal Service Changes the name and description of an existing ITS	Services Maintenance Guide
<hr/> Internetwork Routing Service <hr/>	
Adding a manually dialed or a dedicated circuit Defines manually dialed or dedicated circuits for the IRS	Services Installation and Setup Guide
Adding an auto-dialed circuit Defines auto-dialed circuits for the IRS	Services Installation and Setup Guide
Adding an X.25 network Defines the X.25 high-level data link control (HDLC) protocol	Services Installation and Setup Guide
Adding an X.25 switched virtual circuit Defines X.25 circuits for the IRS	Services Installation and Setup Guide
Changing circuit parameters Changes the configuration of an existing circuit	Services Maintenance Guide
Changing the X.25 network location Changes the location of an X.25 network	Services Maintenance Guide
Changing the X.25 network parameters Changes the HDLC parameters of an existing X.25 network	Services Maintenance Guide
Deleting circuits and the X.25 network Removes circuits and the X.25 network	Services Maintenance Guide
Initializing the Internetwork Routing Service Identifies the service name and description	Services Installation and Setup Guide
Listing circuits, X.25 networks, and routes Displays information about the IRS circuits and networks	Services Maintenance Guide
Removing the Internetwork Routing Service Deletes the IRS after you stop and delete all circuits and the X.25 network	Services Maintenance Guide
Renaming the Internetwork Routing Service Changes the name of an existing IRS	Services Maintenance Guide

Name and description

Book

Showing the Internetwork Routing Service statistics

Lists phone line data for active circuits since the last reboot, resets the statistics counter, and shows incremental statistics since the last reset

Services Maintenance Guide

Starting and stopping circuits

Removes circuits from and restores them to service

Services Maintenance Guide

Librarian Service

Backing up the Librarian Service manually

Forces a manual backup of the Librarian Service databases

Backup and Restore Guide

Changing the Librarian Service backup parameters

Changes the parameters for backup

Backup and Restore Guide

Checking in a library object

Returns a library object to the database, making it available to other users

Services Maintenance Guide

Creating a Librarian Service database

Names a database and registers it in the Clearinghouse

Services Installation and Setup Guide

Deleting a database

Deletes the database from the Librarian Service and removes its name from the Clearinghouse

Services Maintenance Guide

Initializing the Librarian Service

Names and describes the service, and registers it in the Clearinghouse

Services Installation and Setup Guide

Listing database names and parameters

Lists the database names, readers, writers, authentication level, and backup location

Services Installation and Setup Guide

Listing database names and parameters

Lists the database names, size of each database file, creation date, and the parameters of the database file

Services Installation and Setup Guide
Services Maintenance Guide

Monitoring session activity

Turns the tracing feature on or off

Services Maintenance Guide

Moving a database

Moves a database from one server to another

Services Maintenance Guide

Restoring a Librarian Service database

Restores the most recent backup versions

Backup and Restore Guide

Restoring a Librarian Service database from an earlier version

Restores an earlier backup version of the database

Backup and Restore Guide

Setting database parameters

Defines the authentication levels, identifies readers and writers, and specifies the pathname to the remote backup location

Services Installation and Setup Guide

Mail Service

Backing up the Mail Service manually

Backs up the Mail Service manually

Backup and Restore Guide

Creating a Postmaster mailbox

Sets up a mailbox for undeliverable messages

Services Installation and Setup Guide

Creating mailboxes

Sets up mailboxes for authorized users

Services Installation and Setup Guide

Name and description

Book

Enabling outbound mail transmission

Establishes a foreign gateway and foreign domain used by the External Mail Gateway

Services Installation and Setup Guide

Expanding the Mail Service database

Increases the space available for the Mail Service database

Services Maintenance Guide

Initializing the Mail Service

Starts the Mail Service and initializes the RS232C port

Services Installation and Setup Guide

Monitoring Mail Service activity

Displays information on the status of Mail Service users

Services Maintenance Guide

Monitoring user activity

Displays information on the status of Mail Service users

Services Maintenance Guide

Moving mailboxes

Moves mailboxes to a different Mail Service

Services Maintenance Guide

Moving the Mail Service

Moves the Mail Service to a different server

Services Maintenance Guide

Removing a mailbox

Deletes a mailbox from the Mail Service database

Services Maintenance Guide

Removing the Mail Service

Deletes the Mail Service from a server

Services Maintenance Guide

Restoring the Mail Service

Restores a damaged Mail Service database

Backup and Restore Guide

Setting Mail Service backup parameters

Sets the parameters for automatic and manual backup

Backup and Restore Guide

External Mail Gateway

Changing a foreign gateway phone number

Changes the phone number for a foreign gateway

Services Maintenance Guide

Changing a local gateway's line speed or phone number

Changes the modem line speed or phone number for a local gateway

Services Maintenance Guide

Deleting a foreign gateway

Deletes a foreign gateway

Services Maintenance Guide

Deleting the Mail Gateway option

Deletes an External Mail Gateway option from a Mail Service

Services Maintenance Guide

Monitoring foreign gateway and domain activity

Monitors foreign gateway and foreign domain activity

Services Maintenance Guide

Moving a foreign domain

Moves a foreign domain to a different Mail Service

Services Maintenance Guide

Moving a foreign gateway

Moves a foreign Mail Gateway (and associated domains) to different Mail Service

Services Maintenance Guide

Updating foreign gateway calling intervals

Updates calling intervals on a foreign gateway

Services Maintenance Guide

PC File Service

Adding network resources

Adds filing resources to the network

Services Installation and Setup Guide

Changing network resources

Changes the password and access rights for any resource in use by PC clients

Services Maintenance Guide

Name and description**Book****Creating directories and adding network resources**

Creates a directory and adds it to the resources available to PC clients

Services Maintenance Guide

Creating directories for PC clients

Creates parent and descendent directories

Services Installation and Setup Guide

Initializing secondary volumes

Initializes secondary volumes assigned to the PC File Service

Services Installation and Setup Guide

Initializing the primary volume

Initializes the volume that runs the PC File Service

Services Installation and Setup Guide

Listing directories and network resources

Lists exiting directories available to PC clients

Services Maintenance Guide

Listing and closing open files

Lists any files currently open; closes open files

Services Maintenance Guide

Moving directories to another volume

Copies and restore network resources from one volume to another

Services Maintenance Guide

Removing network resources and deleting directories

Removes and deletes a directory from the list of resources available to PC clients

Services Maintenance Guide

Showing activity and statistics

Displays activity, shows statistics, and resets counters to zero

Services Maintenance Guide

Showing name translation

Shows the translated names of files and directory paths

Services Maintenance Guide

Print Service

Canceling a document sent to the Print Service

(versions 10.0 through 10.3 only)

Cancel the printing of a document sent to the Print Service

Services Maintenance Guide

Canceling a specific document sent to the Print Service

(version 11.0 only)

Cancel the printing of a document sent to the Print Service

Services Maintenance Guide

Canceling all documents sent to the Print Service

(version 11.0 only)

Cancel all documents in the Print Service queue

Services Maintenance Guide

Changing paper handling and transmission options

Changes the paper handling and transmission options on a Telecopier 495-1 Printer

Services Maintenance Guide

Changing paper handling options

Changes the paper size, feed, banner, and stacking options on an 8040 Series Electronic Printer

Services Maintenance Guide

Changing the banner option

Changes the printing of banner pages from a Laser CP Electronic Printer

Services Maintenance Guide

Changing the default substitution font (version 11.0 only)

Specifies a different default substitution font

Services Maintenance Guide

Changing the printing option

Changes your configuration to support a different type of printer

Services Installation and Setup Guide

Changing the Target Print Service

Changes the Target Print Service that prints your documents

Services Installation and Setup Guide

Checking Print Service operation

Prints a test pattern to check Print Service operation

Services Maintenance Guide

Name and description	Book
Checking printer image alignment Checks the alignment of images on the paper from a Laser CP Electronic Printer	Services Maintenance Guide
Checking the status of documents received by the Print Service Checks the status of documents sent to the Print Service	Services Maintenance Guide
Controlling the power mode of a B2 printer Puts a B2 printer in low or full power mode	Services Maintenance Guide
Correcting a P4 error code Corrects a printer, cable, or server processor problem	Services Maintenance Guide
Correcting an L2 error code Runs the Image Test to correct an L2 failure for the 8040 Series Electronic Printer	Services Maintenance Guide
Correcting an L4 error code Corrects an L4 error code for the 8040 Series Electronic Printer	Services Maintenance Guide
Correcting P1, P2, and P3 error codes Runs the Image Test to correct P1, P2, and P3 failures	Services Maintenance Guide
Correcting printer image alignment Corrects the alignment of images on the paper from an 8040 Series Electronic Printer	Services Maintenance Guide
Deleting fonts Deletes unused fonts to increase the space on the server volume	Services Maintenance Guide
Deleting test patterns Deletes test patterns	Services Maintenance Guide
Initializing the 8040 Series Electronic Printer, the Laser CP Electronic Printer, or the Formatting Print Service Names and selects the desired printing option	Services Installation and Setup Guide
Initializing the Telecopier 495-1 Printer (versions 10.0 through 10.3 only) Names and selects the Telecopier 495-1 printing option	Services Installation and Setup Guide
Listing fonts or test patterns Lists all fonts or test patterns installed on the Print Service	Services Maintenance Guide
Loading fonts and test patterns onto the Print Service Loads fonts and test patterns onto the Print Service	Services Installation and Setup Guide
Printing documents with complex pages (version 11.0 only) Prints documents with complex graphics, large numbers of graphics, or large bitmap images	Services Maintenance Guide
Recovering from a Print Service crash after startup completes Cancels a document that might be causing the crash	Services Maintenance Guide
Recovering from a Print Service crash during startup Recovers from a crash during initialization, before cataloging fonts, or while cataloging fonts	Services Maintenance Guide
Renaming the Print Service Changes the name of the Print Service	Services Maintenance Guide
Resetting statistics Resets the counters that accumulate service statistics	Services Maintenance Guide
Restarting the processing of documents Restarts the processing of documents for printing	Services Maintenance Guide
Setting the switches on the Telecopier 495-1 (versions 10.0 through 10.3 only) Configures the RS232C interface	Services Installation and Setup Guide
Setting the Target Print Service (versions 10.0 through 10.3 only) Specifies the Target Print Service to print your documents	Services Installation and Setup Guide

Name and description

Book

Setting the Telecopier 495-1 clock (versions 10.0 through 10.3 only)

Sets the internal clock to the current time of the server

Services Installation and Setup Guide
Services Maintenance Guide

Showing Print Service status

Monitors Print Service status

Services Maintenance Guide

Stopping the processing of documents

Stops processing documents while you install fonts or service the printer

Services Maintenance Guide

Testing communication from the server to the printer (versions 10.0 through 10.3 only)

Verifies communication from the server to the printer

Services Installation and Setup Guide

Updating paper handling options

Updates Formatting Print Service paper handling options to those of the Target Print Service

Services Maintenance Guide

Remote Batch Service

Adding a communication partner

Adds and defines the RBS communication partners

Services Installation and Setup Guide

Adding the port for the Remote Batch Service

Defines the communication parameters of the RS232C port

Services Installation and Setup Guide

Changing communication partner information

Changes information for an RBS communication partner

Services Maintenance Guide

Changing RS232C port information

Changes information for an RS232C port

Services Maintenance Guide

Creating a group for the Remote Batch Service

Adds a group to the Clearinghouse Service

Services Installation and Setup Guide

Creating file drawers for the communication partner

Creates two file drawers for each communication partner

Services Installation and Setup Guide

Deleting a communication partner

Removes a partner's name from the Remote Batch Service

Services Maintenance Guide

Deleting an RS232C port

Removes an RS232C port

Services Maintenance Guide

Describing the contents of active file drawers

Lists the contents of file drawers the Remote Batch Service is using

Services Maintenance Guide

Displaying a communication partner definition

Shows details about a defined communication partner

Services Maintenance Guide

Displaying RS232C port information

Lists the name, description, and configuration for an RS232C port

Services Maintenance Guide

Initializing the Remote Batch Service

Names and describes the RBS and registers it in the Clearinghouse

Services Installation and Setup Guide

Renaming the Remote Batch Service

Changes the name of a Remote Batch Service

Services Maintenance Guide

Setting and displaying data interpretation

Defines and lists the interpretation of data received

Services Maintenance Guide

Showing Remote Batch Service statistics

Lists data collection statistics for the Remote Batch Service

Services Maintenance Guide

Starting the Remote Batch Service

Restarts the service after you define the port and partner

Services Installation and Setup Guide

Name and description	Book
Server Monitor Service	
Adding, listing, and verifying monitored servers Adds servers to be monitored, lists the servers being monitored, and verifies the monitored servers	Services Maintenance Guide
Adding users for notification, and listing user notifications Adds and displays users to be notified of the availability of the monitored server	Services Maintenance Guide
Backing up a Server Monitor Service database Backs up the Server Monitor Service database	Backup and Restore Guide
Changing sampling rates Changes the sampling rate for a server	Services Maintenance Guide
Configuring the Server Monitor Service database Creates a database that the SMS will use to monitor servers	Services Installation and Setup Guide
Initializing the Server Monitor Service Starts the Server Monitor Service for the first time	Services Installation and Setup Guide
Listing remote server event recipients Lists the server monitors to which a remote server reports	Services Maintenance Guide
Removing monitored servers Stops a server from being monitored	Services Maintenance Guide
Removing users from a monitoring server notification list Removes users from a notification list	Services Maintenance Guide
Restoring a Server Monitor Service database Restores a Server Monitor Service database	Backup and Restore Guide
Showing monitored server statistics Displays statistics about a monitored server or servers	Services Maintenance Guide
Showing the server monitor configuration Lists the servers being monitored and the users on the notification list	Services Maintenance Guide
Starting and stopping the Server Monitor Service Starts or stops the Server Monitor Service	Services Maintenance Guide
Services System Software	
Activating and deactivating services Adds or removes a service from the Active Services list	Services Maintenance Guide
Backing up the server profile Makes a backup copy of the server profile	Backup and Restore Guide
Booting the server Boots the server and selects startup	Services Maintenance Guide
Changing the server profile Changes the server name, description, and other values	Services Maintenance Guide
Changing the volume name Changes the name of an open volume	Services Maintenance Guide
Creating a services volume on a secondary drive Creates a new volume on a multiple-drive server	Services Maintenance Guide
Expunging a service Removes a service from a server	Services Maintenance Guide
Installing additional services Installs new services on your server	Services Maintenance Guide

Name and description

Listing executives

Displays executive information

Listing files

Lists files in the working directory

Listing all RS232C port information

Displays port statistics for your server

Listing services

Lists the services on your server

Logging off and logging on

Logs you on and off the server or remote executive

Monitoring your services volume

Monitors the services volume on a server

Moving a service to another server

Moves a service between servers

Powering the server up or down

Turns the server on or off

Registering a server

Updates or checks the Clearinghouse entry

Replacing a disk pack

Replaces a disk pack on a multiple-drive server

Resetting the server context

Resets the server context to Services System Software

Restoring the server profile

Restores a backup copy of the server profile

Running a service manually

Runs a service in a non-normal startup

Setting time

Sets the server time to current time

Showing a logged-on user

Displays the name and status of the logged-on users

Showing the server profile

Lists the information in the server profile

Starting and stopping services

Starts or stops a service running on the server

Step 1. Booting the Services Installer Utility

Boots the installer and the server

Step 2. Setting the time and date

Sets the current time and date on the server

Step 3. Partitioning the server disk

Partitions the server disk for software installation

Step 4. Installing system software

Installs the system software on your server

Step 5. Starting the system

Starts for the first time the system installed on your server

Step 6. Setting software options

Sets the software options for the services

Step 7. Entering your network number and server name

Enters or confirms the network number and server name

Step 8. Installing the services

Installs the services on your server

Step 9. Running the Clearinghouse Service

Runs the first Clearinghouse Service on your server

Step 10. Running the Internetwork Routing Service

Runs the Internetwork Routing Service

Book

Services Maintenance Guide

Backup and Restore Guide

Services Maintenance Guide

Services Installation and Setup Guide

Name and description

Book

Step 11. Running the External Communication Service

Runs the External Communication Service

Services Installation and Setup Guide

Step 12. Adding a Communication Interface Unit

Configures a Communication Interface Unit

Services Installation and Setup Guide

Step 13. Adding an X.25 network

Configures an X.25 link on the Internetwork Routing Service

Services Installation and Setup Guide

Step 14. Adding an Internetwork Routing Service circuit

Configures Internetwork Routing Service circuits

Services Installation and Setup Guide

Step 15. Starting the Internetwork Routing Service

Connects to the remote network

Services Installation and Setup Guide

Step 16. Completing the installation

Proceeds the initialization and setup of all services

Services Installation and Setup Guide

Working with remote files

Lists, deletes, stores, and retrieves remote files

Services Maintenance Guide

SNA Mail Relay

Adding the foreign gateway, mailbox, and foreign domain

Adds foreign gateway, mailbox, and domain information

Services Installation and Setup Guide

Adding the mail link and XNS domain-to-DGN mappings

Adds mail link and XNS domain-to-DGN mapping information

Services Installation and Setup Guide

Adding the port, controller, and SNADS network

Adds RS232C port, controller, and SNADS information

Services Installation and Setup Guide

Changing the RS232C port

Changes the port number, description, phone line access, encoding protocol, or duplexity

Services Maintenance Guide

Changing the controller

Changes the name and description of the controller, updates the changes in port information, host number, station address and number of logical units

Services Maintenance Guide

Changing the SNADS network

Changes the RGN and REN of the host and server; updates the changes made to the controller, logical units, hop counts, and connecting intervals

Services Maintenance Guide

Changing XNS domain-to-DGN mappings

Changes the mappings between XNS domains and SNADS DGNs

Services Maintenance Guide

Changing XNS file-to-IBM document mappings

Changes the XNS file types mapped to IBM document types

Services Maintenance Guide

Deleting the controller and RS232C port

Deletes the controller and port information

Services Maintenance Guide

Deleting the SNADS network and mail link

Deletes the foreign domain, the mail link, and the SNADS network

Services Maintenance Guide

Deleting XNS domain-to-DGN mappings

Deletes mappings between XNS domains and SNADS DGNs

Services Maintenance Guide

Displaying mail links, XNS domains, and SNADS network

Displays configuration information

Services Maintenance Guide

Expunging the SNA Mail Relay

Removes the SNA Mail Relay from a server

Services Maintenance Guide

Initializing the SNA Mail Relay

Identifies the service name, description, and validates the Clearinghouse entry

Services Installation and Setup Guide

Monitoring SNA Mail Relay activity

Shows current activity and status of the SNA Mail Relay

Services Maintenance Guide

Name and description

Book

Monitoring SNA Mail Relay events

Establishes a baseline of SNA Mail Relay activity

Services Maintenance Guide

Moving the SNA Mail Relay

Moves the SNA Mail Relay from one server to another

Services Maintenance Guide

Foreign Gateway Assistant

Changing the foreign gateway and foreign domain

Changes the phone number and foreign domain name for the foreign gateway

Services Maintenance Guide

Deleting the foreign gateway and foreign domain

Deletes the foreign gateway and foreign domain

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Test and Diagnostics

Accessing cartridge tape utilities

Accesses the Cartridge Tape Online Utility menu

Test and Diagnostic Tools

Accessing floppy disk drive diagnostics

Accesses comprehensive online tests of the floppy disk drive

Test and Diagnostic Tools

Accessing high capacity cartridge tape utilities

Accesses the online High Capacity Cartridge Tape menu

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Accessing large capacity disk diagnostics

Accesses the 8000 large capacity offline diagnostics

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Accessing low capacity disk diagnostics

Accesses the 8090 low capacity offline diagnostics

Test and Diagnostic Tools

Accessing medium capacity disk diagnostics

Accesses the commands for the 8000 medium capacity offline diagnostics

Test and Diagnostic Tools

Accessing online diagnostics

Accesses all available **Test** commands

Test and Diagnostic Tools

Accessing the cartridge tape display options

Accesses the Display Options menu for the cartridge tape drive (offline)

Test and Diagnostic Tools

Accessing the cartridge tape utilities

Accesses the various utilities for cartridge tapes (offline)

Test and Diagnostic Tools

Accessing the communication display options

Accesses the Display Options menu for the RS232C and RS366 ports (offline)

Test and Diagnostic Tools

Accessing the high capacity cartridge tape display options

Accesses the Display Options menu for the high capacity cartridge tape drive (offline)

Test and Diagnostic Tools

Accessing the high capacity drive display options

Accesses the Display Options menu for the high capacity fixed disk drive (offline)

Test and Diagnostic Tools

Accessing the RS232C and RS366 diagnostics

Accesses the RS232C and RS366 diagnostics (offline)

Test and Diagnostic Tools

Name and description	Book
Accessing 8090 offline diagnostics	
Accesses the first diagnostics menu which provides access to Help, Low Capacity Disk Diagnostics, Cartridge Tape Diagnostics and Utilities, and High Capacity Diagnostics and Utilities	Test and Diagnostic Tools
Displaying a disk configuration	
Displays the configuration of a removable disk drive (offline)	Test and Diagnostic Tools
Displaying cartridge tape statistics	
Accesses the various display options for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying communication statistics	
Displays various communication statistics for the RS232C and RS366 ports (offline)	Test and Diagnostic Tools
Displaying hard read errors	
Displays hard read errors for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying hard read errors	
Displays hard read errors for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying hard read errors	
Displays hard read errors for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying high capacity cartridge tape statistics	
Accesses the various display options for the high capacity cartridge tape (offline)	Test and Diagnostic Tools
Displaying high capacity drive statistics	
Accesses the various display options for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying soft read errors	
Displays soft read errors for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying soft read errors	
Displays soft read errors for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying soft read errors	
Displays soft read errors for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying the bad page table	
Checks the number of bad pages on a cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying the bad page table	
Checks the number of bad pages on a removable disk pack (offline)	Test and Diagnostic Tools
Displaying the bad page utility	
Updates the bad page table for a removable disk drive (offline)	Test and Diagnostic Tools
Displaying the bad sector table	
Checks the number of bad sectors on a tape (online)	Test and Diagnostic Tools
Displaying the error log	
Displays the most recently recorded hardware errors for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying the error log	
Displays the most recently recorded hardware errors for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying the error log	
Displays the most recently recorded hardware errors for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying the error log	
Displays the most recently recorded hardware errors for the RS232C or RS366 ports (offline)	Test and Diagnostic Tools
Displaying the info buffer	
Displays the most recently read or written information for the high capacity disk drive (offline)	Test and Diagnostic Tools

Name and description	Book
Displaying the physical volume bad page table Checks the number of bad pages on a physical volume disk drive (offline)	Test and Diagnostic Tools
Displaying the read buffer Displays the data most recently read for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying the read buffer Displays the data most recently read for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying the read buffer Displays the data most recently read for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying the read id buffer Displays the id most recently read for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying the receive buffer Displays the most recently received data for the RS232C or RS366 ports (offline)	Test and Diagnostic Tools
Displaying the summary log Displays a summary of RS232C hardware errors (offline)	Test and Diagnostic Tools
Displaying the summary error log Displays the results of the most recent standard test or exercise of the floppy disk unit (online)	Test and Diagnostic Tools
Displaying the trace table Displays the most recently entered commands for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying the trace table Displays the most recently entered commands for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying the trace table Displays the most recently entered commands for the high capacity disk drive (offline)	Test and Diagnostic Tools
Displaying the trace table Displays the most recently executed input/output commands for the RS232C or RS366 ports (offline)	Test and Diagnostic Tools
Displaying the transmit buffer Displays the most recently transmitted data for the RS232C or RS366 ports (offline)	Test and Diagnostic Tools
Displaying the write buffer Displays the data most recently written for the cartridge tape (offline)	Test and Diagnostic Tools
Displaying the write buffer Displays the data most recently written for the high capacity cartridge tape drive (offline)	Test and Diagnostic Tools
Displaying the write buffer Displays the data most recently written for the high capacity disk drive (offline)	Test and Diagnostic Tools
Erasing a cartridge tape Deletes all data from a cartridge tape (online)	Test and Diagnostic Tools
Erasing a high capacity cartridge tape Deletes all data from a high capacity cartridge tape (online)	Test and Diagnostic Tools
Exercising the floppy disk unit Tests the floppy disk by randomly reading, writing, and verifying data (online)	Test and Diagnostic Tools
Formatting a cartridge tape Prepares a cartridge tape for use (offline)	Test and Diagnostic Tools
Formatting a cartridge tape Prepares a cartridge tape for use (online)	Test and Diagnostic Tools

Name and description	Book
Formatting a disk pack Prepares a removable disk pack for use (offline)	Test and Diagnostic Tools
Formatting a floppy disk Prepares a floppy disk for use (online)	Test and Diagnostic Tools
Initializing a high capacity cartridge tape Initializes a high capacity cartridge tape (online)	Test and Diagnostic Tools
Listing bad pages Lists pages already logged in the Bad Page Table (offline)	Test and Diagnostic Tools
Listing registered servers Lists all servers registered in the Clearinghouse (online)	Test and Diagnostic Tools
Logging a bad page for a cartridge tape drive Records the number of a bad page in the Bad Page Table for the cartridge tape (offline)	Test and Diagnostic Tools
Logging a bad page for a high capacity disk drive Records the number of a bad page in the Bad Page Table for high capacity disk (offline)	Test and Diagnostic Tools
Logging bad pages manually Manually logs bad pages into the Bad Page Table (offline)	Test and Diagnostic Tools
Logging on as System Administrator to access cartridge tape diagnostics Logs on and allows access to Cartridge Tape Diagnostics	Test and Diagnostic Tools
Logging on as System Administrator to access high capacity diagnostics Logs on and allows access to High Capacity Diagnostics and Utilities	Test and Diagnostic Tools
Recovering from a power failure Makes a network operational after a power failure	Test and Diagnostic Tools
Repairing damaged service software Repairs damaged service software	Test and Diagnostic Tools
Repairing the Mail Service database Repairs damage to the Mail Service database	Test and Diagnostic Tools
Retensioning a cartridge tape Adjusts a cartridge tape to the proper tension (offline)	Test and Diagnostic Tools
Retensioning a cartridge tape Adjusts a cartridge tape to the proper tension (online)	Test and Diagnostic Tools
Running boot diagnostics Verifies the operation of the maintenance panel functions, server components, and fixed disk drives (online)	Test and Diagnostic Tools
Running the bad page utility Checks the number of bad pages on a removable disk drive (offline)	Test and Diagnostic Tools
Running the confidence test Discriminates problems caused by the media from those caused by the drive for the cartridge tape and high capacity cartridge tape, and for the high capacity disk drive (offline)	Test and Diagnostic Tools
Running the confidence test Discriminates problems caused by the tape media from those caused by the tape drive (online)	Test and Diagnostic Tools
Running the confidence test to verify a single drive Verifies the operation of a single removable disk drive attached to the server (offline)	Test and Diagnostic Tools
Running the confidence test to verify several drives Verifies the operation of several removable disk drives attached to the server (offline)	Test and Diagnostic Tools

Name and description**Book****Verifying a read operation**

Discriminates problems caused by the tape media from those caused by the tape drive (online)

Test and Diagnostic Tools

A

access control groups	User groups categorized by the type of access controls assigned to them; categories include open groups, closed groups, and controlled groups.
access controls	Restrictions applied to network resources to control access to them. Protected resources include mailboxes, file drawers, PC File Service directories, Clearinghouse database objects, and ports connecting to remote hosts.
access list	A list of users or groups of users given access to specific services and other network objects.
access rights	Privilege levels assigned to protect network objects. Objects that have access rights associated with them are domains, organizations, user names, user group names, file drawers, PC File Service directories, and ports used in conjunction with outgoing gateways. Privileges are: read, write, add, remove, and change access list.
ACP	See asynchronous communications protocol .
activate	To specify that a service should automatically load and run each time the server is restarted. An activated service appears on the active services list.
active	The service state that exists when the service determines that all configuration information is available and validated.
active services	The services that load and run automatically during server initialization.
active working log	The working Communications Monitoring Service file that stores monitored data.
administrative access	An access right assigned to system administrators or other users responsible for network management. Users with this access right can perform functions that affect objects in the Clearinghouse database. Objects include organizations, domains, and groups.
administrator list	A list of fully qualified names associated with a Clearinghouse object. The Clearinghouse uses this list to verify access requests.
alias	An alternative to the local name; often used for quicker logon to workstations and for quicker mailing.

American Standard Code for Information Interchange

	(ASCII) An 8-bit digital code set; 7 bits provide 128 characters of the standard typewriter keyboard; the eighth bit provides error checking. The code is used for information interchange among data processing systems, data communication systems, and associated equipment. Xerox provides workstation and services software that converts between ASCII and the Xerox Character Code.
analog transmission	The transmission of data using a varying signal or tone. Voice-grade telephone lines provide analog transmission.
anti-entropy	An operation automatically run by the Clearinghouse during non-peak hours to verify database validity. It performs the same function as the Compare Database command.
application	A software program that performs specialized tasks; server applications are called services.
architecture	The design or structure of a program or network.
archive	The process of storing an exact copy of data. A backup copy of data recorded on portable or remote media. Also a file transfer mode the Remote Batch Service uses to store data.
ASCII	See American Standard Code for Information Interchange .
ASCIIZ	A subset of ASCII which contains the letters A through Z, the numbers 0 through 9, and these characters: !@#\$%^&()-_{}`~` Spaces are not valid ASCIIZ characters.
asynchronous	Transmission of data in which time intervals (synchronization) between successive bits can vary. Transmission is sent a character at a time, and is controlled by start and stop bits at the beginning and end of each character.
asynchronous communication protocol	(ACP) Optional software that allows compatible information exchange between workstations using emulation software and a remote host; runs with the External Communication Service.
asynchronous message	A Services Executive message announcing an error or status condition caused by a background or automatic operation. The message appears on all active executives.
asynchronous terminal	Refers to a type of terminal that communicates asynchronously across an RS232C connection.
attachment	Part or all of the message content of an XNS message. The SNA Mail Relay converts between XNS attachments and SNADS distribution objects.
attribute	A quality that describes an object or part of an object. In the Clearinghouse Service, attributes are fields in a record such as a user's alias. In the File Service, attributes are characteristics of a file such as its name, size, and date of creation.
authentication	The verification of user identification and access rights based on the information in the Clearinghouse database.

autodial	The capability of a modem and a port to dial a number automatically.
autodialer	The hardware installed at the port to allow automatic dialing.
auto-logging	A process that automatically copies the log file to a File Service file drawer. Auto-logging is enabled in the Communications Monitoring Service monitoring profile.
automatic backup	An operation run automatically at the time and with the frequency you select; available with rigid disk and cartridge tape systems.
automatic recovery facility	See backstop software .
autostart circuit	A circuit that is automatically started with the Internetwork Routing Service.
availability	The accessibility of a Clearinghouse domain throughout the network. With multiple Clearinghouses, each domain is replicated on two or more servers so that in the event of server failure, the domain is still available. Also refers to the state of a server monitored by the Server Monitor Service.

B

background	Refers to a function the system performs without the need of user input.
backstop log	The record of causes for system failure.
backstop software	The automatic recovery software that records the reason for system failure, reboots the server, and loads all services that were active before the failure occurred.
backstop volume	One of the three logical volumes on a server's physical volume. This volume is used for holding files related to backstop.
backup	The act of making remote copies of data in case the original data is lost or unusable.
backup cycle	A period of time expressed as a number of days during which a complete snapshot of a File Service volume is made. The length of the cycle determines the type of media used, the amount of time required, and the size of a single backup increment.
backup epoch	The point in time after which only new and changed files must be backed up incrementally.
backup file drawer	A file drawer created to store the data produced by a volume backup.
backup frequency	The number of days that should pass before backup is run again.
backup increment	A partial snapshot of the volume produced during a single backup. Each time backup is executed, a backup increment or set of increments is created. If backup is performed often, the size of each increment is smaller and takes less space on the backup media (fewer floppy disks if backing up to a floppy). The

	set of increments produced during a given cycle constitutes a complete snapshot of the volume.
backup increments log	A record on the source volume that identifies the backup volume and the start time for each increment.
backup index	A list of files backed up in a given increment.
backup medium	The material used for storing backup data. The material may be floppy disks, cartridge tape, or a rigid disk. A rigid disk can be remote (another server on the network) or local (another File Service volume on the same multiple-drive server).
backup parameters	The set of variables defining the backup process. These parameters include the type of media used, the backup cycle and frequency, the start and stop times, and other variables related to the backup medium.
backup start time	The time to automatically start backup (applies only to rigid disk backup).
backup user/password	The name and password of the user whose identity is used for backup (rigid disk backup only). The backup user's identity allows access to the local or remote File Service during volume backup. The backup user must have full access to the backup file drawer.
backup volume	A volume used to store File Service backup information. Each backup volume has one File Service backup file drawer.
backup volume group	A group of File Service volumes used for backup. The group name is used to locate an accessible backup volume. The system examines volumes in the group in alphabetical order and uses the first available volume to store the data.
bad page	An area on the server's disk containing damaged or marginally usable media. The table records (automatically or manually) the addresses of the disk pages to prevent the system from using them. Pages known to be bad when the manufacturer releases the disc drive are recorded in the Manufacturer's Bad Page Table.
bad page table	A list of bad pages located on each disk drive connected to a server. The bad page table records the addresses of the damaged or marginally usable disk pages.
bad sector table	A list of bad sectors on the cartridge tape drive. The bad sector table records the addresses of damaged or marginally usable sectors.
banner sheet	A page produced by the Print Service containing information about the associated print request. Also referred to as the <i>banner page</i> or the <i>break page</i> .
basic services	The fundamental network services including Services System Software, Clearinghouse Service, Mail Service, File Service, PC File Service, and Print Service.
batch processing	A type of processing in which similar tasks are grouped and handled sequentially.

baud rate	The speed at which a computer transmits data (in bits per second). Two communicating terminals must use the same baud rates.
binary synchronous communication	(BSC) A byte synchronous data link control protocol developed by IBM that includes specific characters and procedures to control the connection. Also called <i>bisynchronous</i> and <i>bisync</i> . Xerox provides workstation and service software (the Remote Batch Service and the External Communication Service) to convert various terminal-specific BSC protocols to protocols that can be understood by Xerox workstations, servers, and printers.
bit	A binary digit; a unit of data which can have the value of 0 or 1. These units are combined into 8-bit bytes; each byte equals one character.
bits per second	The speed at which a device (modem) transmits a character.
bit synchronous	A type of synchronous data communications protocol in which data is synchronized by bit instead of by byte. Refers to optional software available with the ECS to support information exchange between workstations and a remote host. Synchronous point-to-point and synchronous data link control (SDLC) protocols are examples of bit synchronous protocols.
block	A group of characters or words transmitted as a single unit.
boot	To start or restart a server or workstation. Also the act of causing the server to clear its main memory and reload the operating system and the server software. The server automatic recovery mechanism (backstop software) boots the server automatically after a system failure.
boot diagnostics	A series of diagnostics run from a floppy disk or cartridge tape when the Boot Reset (B RESET) and Alternate B (ALT B) buttons are simultaneously pressed and the Alternate B button is released at maintenance panel code 0005.
boot file	Part of the Services System Software that contains the Pilot operating system and the server software. Also a Boot Service file that provides the bootable system for either the diagnostic or installation utility.
boot diagnostics	A series of diagnostics run from a floppy disk or cartridge tape when the Boot Reset (B RESET) and Alternate B (ALT B) buttons are simultaneously pressed and the Alternate B button is released at maintenance panel code 0005.
Boot Service	(BS) Software that provides the facility for etherbooting a diagnostics utility or a installation utility; lets users boot software over the network.
boot switches	Numbers that identify the type of boot to perform.
bridge	A link between two compatible networks.
broadcast	A transmission that all stations receive. Directed and expanding ring broadcasts reach all stations on the specified Ethernet

networks or those stations within a certain number of internetwork hops.

BSC See **binary synchronous communication**.

byte A unit of measurement regarding computer storage and files. A byte is equal to eight bits, and represents a character, symbol, or operation.

byte synchronous A type of protocol in which a sequence of successive 8-bit characters (bytes) are transmitted as a unit. Any single character is transmitted in an increment no smaller than a byte. Each byte is interpreted individually, and control characters can be sent at any point during the transmission. The protocol is available through the 8000/8090 port configuration.

C

calling intervals Periods during which the External Mail Gateway can send mail to the specified domain.

cartridge tape A type of magnetic material used for data storage and loading software onto the 8090 server.

cartridge tape drive The 8090 server's built-in tape drive used for installing server software, services applications, Boot Service data files, and Print Service fonts. It is also used for File Service backup operations and various server offline diagnostics.

central processing unit (**CPU**) The basic unit of a computer that interprets and executes instructions to control the computer's operation.

checksum A check in which groups of digits are summed and the total is compared to a previously computed sum to verify if a change occurred during transmission or conversion.

circuit A connection between two Internetwork Routing Services forming an internetwork link.

citizens Servers and workstations that are directly compatible with the Xerox Network System protocols.

CIU See **Communication Interface Unit**.

Clearinghouse database The specialized database maintained by the Clearinghouse Service that serves as a global directory for the entire internetwork. The database is composed of the organization and one or more domains, which can consist of 200 to 300 users resident in the same geographical location. A domain can reside in several Clearinghouse databases, and each Clearinghouse database can hold multiple domains. See **domain**.

Clearinghouse Service (**CHS**) Software that contains information about the network community. It is a lookup directory service that maintains a database of all network objects including users, services, and servers.

	All system components use this system-wide directory to locate resources and registered objects. The Clearinghouse authenticates users when they access the network.
Clearinghouse system	Multiple Clearinghouses that communicate with each other to maintain accurate information about network resources.
client	Refers to a PC user who can access the server to store and retrieve files, and to share files with other network users through the PC File Service.
closed group	A user group that current members can leave; only Group Administrators can add members to this group.
closed volume	A File Service volume containing files that are not available to local or remote users.
cluster controller	A node in an SNA network that controls multiple devices, such as 3270 series terminals, letting them share a single phone line. A cluster controller is a physical unit (PU) type 2.
Clusternet Communications	An Internetwork Routing Service option that lets remote workstations access each other and other network services using voice-grade, dialed phone lines.
clusternet router	Part of the Internetwork Routing Service that provides routing information to the clusternet. The router uses the clusternetwork number and the host numbers of the remote workstation to route information to and from the clusternetwork ports.
clusternetwork	A collection of one or more RS232C ports assigned a network number to allow remote workstations access to the rest of the internetwork.
coaxial cable	A type of two-conductor cable used to link devices together; each conductor within the cable is insulated from the other.
communication	Refers to data transfer between devices and to activities that services carry out for their clients.
communication interface	The port or point of connection between a device and the medium which is to carry data between the device and another device. Examples of communications interfaces are RS232C, RS366, and parallel ports.
Communication Interface Unit	(CIU) The 873 Communication Interface Unit increases the number of RS232C ports on a network without requiring the addition of a server. The 873 CIU adds four external ports; the 873 CIU Extension Kit adds four more. The CIU attaches directly to the network, and can be configured for either asynchronous or bit synchronous communication (TTY, 3270 SNA, or IRS-to-IRS phone communications).
communication partner	A device (mainframe or word processor) with which the Remote Batch Service communicates.
communication services	The services that allow communications in the internetwork, between networks, and between networked and non-networked devices.

These include the External Communications Service, the Internetwork Routing Service, the Interactive Terminal Service, the Remote Batch Service, and the 850/860 Gateway Service.

Communications Monitoring Service

(CMS) Software that monitors the communication services and the Mail Service. The CMS keeps log files of service performance to support troubleshooting. The CMS provides three types of protocol monitoring: X.25, RS232C, and SNA.

compatibility services

Describes network services that act as gateways between networked and non-networked mainframe and personal computers. Compatibility services provide terminal emulation, document transfer, and network access functions. There are two compatibility services: the 850/860 Gateway Service and the Interactive Terminal Service.

complexity

A measure of the difficulty of printing a page or an entire document related to the image defined in an Interpress master. Several factors affect complexity, including the number of characters and fonts referenced; the number of graphic operations; the layers of objects on a page to produce the image; and the density of the image.

complex printing

A Print Service feature that enables the printing of more complex graphics. This feature is necessary for the printing of scanned images.

confidence test

An offline diagnostic test that determines if the magnetic media or the drive hardware is causing a problem.

configuration

See **setup**.

congestion

A condition that develops when the number of incoming calls exceeds the network or service capacity.

connection

The joining of two machines to allow information transfer; a virtual connection between two machines to deliver all parts of a message.

connection window

The parameters that control the hours of operation of the Remote Batch Service with respect to a particular communication partner.

Consultative Committee for International Telephone and Telegraph

(CCITT) An international group that creates recommendations for international telecommunications standards.

container

A file in the hierarchical file system which has other files associated with it and which logically contains those associated files. Files, file folders, file drawers, canvases, and desktops are examples of containers. Also referred to as a *directory*.

context

An operating level that, combined with the current logged on user status and the state of the server and service, determines the available commands.

controlled group

A user group that has controlled access; only the Group Administrator can add or remove members.

controller	In the context of the SNA or BSC Access, an SNA or BSC network node that the host expects at the far end of a telephone line. A controller consists of a set of logical units, plus low-level SNA or BSC communication software. Each controller communicates through a single RS232C port and telephone line.
conversion	The ability to change information from one format to another for data transmission; the translation between two formats or protocols that are foreign to each other but accomplish similar functions. Usually, gateways translate between foreign transmission protocols and the XNS low-level transmission protocols. Sometimes gateways convert foreign character sets to the XNS character set and visa versa.
copy volume	Refers to a backup operation in which the File Service volume is completely copied in 45 minutes to four hours depending on the volume size; also called a <i>complete backup</i> .
coresidency	A condition where two or more services are installed and activated on the same server. The 8000 and 8090 servers support multiple services running on the same server at the same time. Some services cannot coreside.
cover sheet	A mail note that accompanies a document.
credentials	A network entity name and password supplied to workstations during logon. The workstation validates the credentials through the CHS and presents them to other services to allow access to protected resources.
CRC	See cyclic redundancy check .
CRT	An abbreviation for cathode ray tube; describes a type of display monitor.
current log file	A working file to which captured data is written during logging. If logging is stopped, the current log file is the one to which data was last written. When logging is started again, the other working log file will become the current log file. The current log file is said to be active during logging and not active if logging is stopped.
cyclic redundancy check	(CRC) A method of error detection the Internetwork Routing Service uses to determine the number of packets not received because of errors in transmission.

D

data bits	The bits that make up a character in asynchronous transmission. Each transmitted character is preceded by a start bit and followed by a stop bit.
Data Circuit Terminal Equipment	(DCE) Part of the data communications structure, called the DTE/DCE interface, in which both ends of the communication path can send and receive.

data files	Files that provide the configuration parameters to one or more services or to the server profile.
data set ready	(DSR) Refers to the operational condition of the modem (data set).
Data Terminal Equipment	(DTE) Part of the data communications structure, called the DTE/DCE interface, in which both ends of the communication path can send and receive.
database	A file or collection of files containing system parameters or a statistical log of activities. The system constantly updates the contents of this file.
database structure	Refers to the hierarchical organization of the CHS database. The top-most level contains an organization and its associated data, such as the administrator list. Each organization contains domains and their associated data. Each domain contains network objects and associated information, such as aliases, passwords, and network addresses.
DCA	See Document Content Architecture .
DDXF (DECnet/SNA DISOSS Document Exchange Facility)	A VMS-based tool that lets VAX mail system users exchange mail with DISOSS users. DDXF implements DIA (Document Interchange Architecture) for this mail exchange. The Xerox DEC/SNA Mail Tool communicates with DDXF to allow XNS users to exchange mail with DISOSS users.
decomposing	Interpreting the information in the Interpress document and referencing the fonts. Rotation, scaling, or conversion of fonts may be performed during this phase. Also called <i>formatting</i> .
dedicated line	A type of communication circuit, such as a leased line, that remains connected and does not have to be dialed. Often used for internetwork links and mainframe connections for 3270 emulation.
default	A preset value supplied by the software.
default host	The emulated cluster controller activated when the External Communication Service starts. The default host is associated with and named after a specific remote host that supports 3270 communication. The ECS host entry and the RS232C port entry together define the default host.
default substitution font	The font supplied by the Print Service when a specified font is not available. The default substitution font may be from either the Modern or the Classic family.
degradation	Describes the reduced performance of a server caused by an increase or change in use.
DEN	See Distribution Element Name .
dependency	See interservice dependency .

descendant	A file or directory that is directly or indirectly contained by a given directory in a hierarchical file structure.
desktop	Describes the ViewPoint working environment which provides the user interface and the filing hierarchy of a directory. The desktop directory includes icons representing documents, folders, file drawers, printers, inbaskets, outbaskets, and terminal-emulation (TTY) devices. Users can store desktops on a File Service volume and later retrieve them.
desktop area	A location in the Services Volume where ViewPoint copies desktops during a desktop backup operation.
destination drive	The rigid disk drive containing the filing volume that will receive information from the source drive during a File Service copy volume backup.
DGN	See Distribution Group Name .
DIA	See Document Interchange Architecture .
diagnostics	Programs that test server hardware. Diagnostics are available through an external magnetic media (offline diagnostics) through the server rigid disk as part of the Services System Software (online diagnostics).
diagnostics utility	Programs supplied by the Boot Service that provide diagnostic procedures for workstations, and servers with rigid disk and with large-capacity secondary rigid disks.
dialer	See autodialer .
dial-up	Refers to the ability of an external device to use a phone link to communicate with a network service.
digital transmission	A form of data transmission in which characters and words are represented by numbers. The numbers are expressed in the form of on/off electronic pulses.
directory	An object in the hierarchical file system containing any number of files or any number of nested subdirectories. Directories can be direct descendants of file drawers or of other directories. Also referred to as a <i>container</i> .
directory name	See filename .
disk diagnostics	A set of tests used to troubleshoot server hardware.
disk drive	See drive .
disk exerciser test	A diagnostic test for medium or large capacity drives on the 8000 server. This test provides statistics indicating how usable the drive is.
disk pack	The removable magnetic storage medium used in a large capacity 8000 server configuration. On a removable disk server, a disk pack may be inserted or removed from the disk drive. On a fixed disk server, the disk is permanently mounted.

disk page	A unit of measurement which defines disk storage and file size; a disk page equals 512 bytes.
distinguished name	First part of the three-part fully qualified name; see local name .
distributed	Describes the cooperative environment of the XNS architecture, where system elements work together to share server and service resources and data from different computers. Refers to the logical interconnection of multiple, separate networks into a single network.
distributed database	A shared and automatically updated file of information that exists in internetworks involving two or more Clearinghouse Services. The file contains information regarding network objects.
Distributed Information Service Office Support System	(DISOSS) The IBM host application with which SNA Access communicates.
distributed processing	Refers to network resources that can be shared between many users, including users at remote sites.
Distribution Element Name	(DEN) An individual SNADS user. Also referred to as a user ID.
Distribution Group Name	(DGN) A group of SNADS mail users. Also referred to as user set. The SNA Mail Relay maintains a set of DGN-to-XNS domain mappings for relaying mail from SNADS to XNS networks.
Distribution Interchange Unit	(DIU) An entire SNADS mail object. The DIU consists of a prefix, suffix, control information, and the distribution object itself. Control information includes the source and destination DUNs, service level indicators, a message field for memos, and other data to process the mail. The SNA Mail Relay converts between XNS envelopes and SNADS control information.
distribution list	A user group registered in the Clearinghouse, listing recipients for electronic mail.
distribution object	The mailed document in a SNADS-based mail system. The distribution object becomes part of the DIU. The SNA Mail Relay converts between the distribution object and the message without modifying the document contents.
Distribution Service Unit	(DSU) A node in a SNADS network.
Distribution User Name	(DUN) The combination of DGN and DEN that uniquely identifies a SNADS user. Equivalent of the XNS fully qualified name. When an XNS user sends mail to a SNADS user, the DUN--with a percent sign between DGN and DEN--becomes the first component of the SNADS recipient's fully qualified name.
DIU	See Distribution Interchange Unit .
document	A non-directory file, usually created at a workstation, containing text and graphics.
Document Content Architecture	(DCA) The IBM definition of a document's format.

document format	The structure of a document as it is stored in computer memory and interpreted by software. Document formats can differ in character codes, such as ASCII or EBCDIC, and in control codes for page formatting. Documents of one format cannot be directly interpreted by software that creates documents of a different format. The Remote Batch Service provides document interchange between XNS users and IBM users.
document interchange	A mode the Remote Batch Service uses to provide document format and structure compatibility between the network and the communication partners.
Document Interchange Architecture	(DIA) The IBM protocol defining a document's structure as it is packaged for electronic mail.
document profile	A DIA-specified header that accompanies a file and defines its format. In the SNADS-to-XNS direction, the SNA Mail Relay builds XNS file attributes from document profiles; for XNS-to-SNA, the SNA Mail Relay uses XNS filing attributes to create document profiles.
domain	A logical grouping (usually geographical) of objects registered in the Clearinghouse database. The data maintained for a particular domain includes the list of Domain Administrators, plus the names of and data describing the objects registered in the domain.
Domain Administrator	A user with specific privileges, responsible for setting up and maintaining entries within a given domain. Only the Organization Administrator can create a domain.
domain name	The second part of the fully qualified name. The domain names must be unique within an organization.
dots per inch	(DPI) Also referred to as <i>spots per inch (SPI)</i> . See resolution .
drive	The physical device used to access the storage or installation medium. The medium may be a floppy disk, cartridge tape, or disk pack. Each server has one fixed disk drive and a floppy disk drive or a cartridge tape drive.
drop cable	The cable used to connect the transceiver to a workstation, server, or other device on the network.
DSU	See Distribution Service Unit .
DUN	See Distribution User Name .
duplexity	The mode of two-way transmission over a single communication path. See full duplex and half duplex .

E

850/860 Information Processing System	Workstations that can use a Shared Interface Unit to connect to the network or a phone link to access the 850/860 Gateway Service.
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850/860 Gateway Service	(GWS) Software that lets non-networked 850 and 860 Information Processing Systems use the Mail Service to exchange information with other workstations on the network.
electronic printer	A device that transfers a digital image to the printing medium (usually plain paper). See laser printer .
Electronic Printing System (4050/9700/8700)	The family of high-speed Xerox printing systems that are available to support XNS print services.
emulation	Imitation of one system by another to exchange data. Emulation provides access to a host system in a way familiar to the host system.
enabled	The user status that provides administrative access to all service commands. This status is only granted to administrators of the server's Clearinghouse domain.
ENQs	Enquiries sent by the 850/860 Gateway Service requesting that data be sent again.
envelope	The control information portion of a mail message or of a packet sent over the Internetwork Routing Service.
epoch	The point in time after which only new and changed files must be backed up incrementally.
erasing	To use an online cartridge tape or high capacity cartridge tape utility to delete existing data from a tape.
error log	A list of recorded hardware errors.
etherbooting	The process of booting software over the Ethernet.
Ethernet	Refers to the high-speed local area network (LAN) that carries information to workstations and servers attached to it. The Ethernet standard specifies the two lowest layers of a network architecture: a Data Link Layer and a Physical Layer. Developed by Xerox Corporation, Intel Corporation, and Digital Equipment Corporation.
Ethernet network	The cable, network stations, transceivers, repeaters (if necessary), and all other components that comprise a single network site as specified by the Ethernet Standard. An XNS network comprises one or more Ethernet networks, each of which has at least one server running Services System Software and various services. Each site also has a number of network workstations using communications software to send client requests to XNS servers.
Ethernet number	The unique number associated with each Ethernet network. No two Ethernet networks that are a part of a single, multinet configuration have the same Ethernet number.
event	A condition that represents a change in availability of a server.
event log	A file that the SNA Access creates on a server's rigid disk to record events, such as the starting and stopping of a controller, and error messages.

event recipient	A monitoring server that is registered with a monitored server to receive event information.
event site	A server that is monitored using the Server Monitor Service.
Event Site Reporting	(ESR) An option that enables the Server Monitor Service to monitor leased or dial-up circuits controlled by the Internetwork Routing Service.
executive	A program that supports interactive access to server functions to analyze server performance or change server configuration. The server terminal provides the local executive. ViewPoint Remote System Administration provides a remote executive interface.
exercise floppy test	A diagnostic test that creates a diagnostic floppy disk for testing the floppy disk drive. The test randomly writes, reads, and verifies data.
expunging a service	An operation that removes a service from a server, deletes any files created during or after service installation, and removes any Clearinghouse entries associated with the service.
extended binary coded decimal interchange code	(EBCDIC) An eight-bit computer code representing 256 unique letters, numbers, and special characters.
extended language fonts	Refers to the Xerox Japanese Modern Fonts and the Xerox Japanese Classic Fonts. Chinese fonts are incorporated into the Japanese font sets.
extension	A one to three character string placed after the period in a filename or directory name.
External Communication Service	(ECS) Software that supports information exchange between XNS devices and non-XNS devices. The ECS enables network workstation access to mainframe computers through terminal emulation by emulating three kinds of terminals: 3270 BSC and 3270 SNA synchronous terminals, and standard asynchronous-type terminals. The ECS also manages Communication Interface Units used for Internetwork Routing Service circuits.
External Mail Gateway	(EMG) An optional feature of the Mail Service which enables mail exchange between two mail systems residing in separate networks.

F

facsimile	(FAX) A system of communications in which a document, photograph, map, or other fixed graphic material is scanned. The information is converted into signal waves for transmission by wire or radio to a facsimile receiver at a remote point. Then the image is scanned and reconstructed at the receiving station, and duplicated onto paper.
fault analysis test	A diagnostic test for the 8000 medium capacity or 8090 low capacity drives that reports errors with the fixed disk.

file	Any object stored in the XNS file system including documents, file drawers, and folders. A file is made up of two parts: its attributes and its content.
file attributes	Values that define the format of a file.
file drawer	A directory defined and maintained by the File Service and associated with a user (owner) on the network. File drawers act as containers where users store and retrieve files. File drawer access can be limited to a single user (private) or open to a group (public). The System Administrator limits the size of the file drawer, but there are no limits on the number of file folders within this size.
filename	The name of a file or directory. An MS-DOS file or directory name consists of a one to eight character ASCII filename, optionally followed by an ASCII period and a one to three character ASCII extension.
filename translation	A background function performed by the PC File Service to convert names of files from the XNS filename structure to the MS-DOS filename structure.
File Service	(FS) Software that acts as a centralized storage and organization service for files. It lets users share files produced at any networked or non-networked workstation. The File Service is also used to back up the Clearinghouse Service, Mail Service, Librarian Service, and Server Monitor Service.
file subtree	A directory and all of its descendants.
file system	Refers to a structured collection of files, or to the software that defines and maintains the files and their structure. The XNS file system provides a tree-structured hierarchy of files, all contained on a single volume managed by the File Service.
file system root	See volume root .
file type	A file attribute field that refers to the structure and format of a file. Examples of file types include ViewPoint, ViewPoint folder, 860, or Unspecified.
filing object attributes	Values associated with a filing object.
filing objects	File drawers, folders (directories), and documents (files) in the filing hierarchy.
filing object names	Names users give to files, directories, file drawers, and volume roots. The volume root name is equivalent to a File Service volume or File Service name.
filing session	An extended connection during which a user can access a specified filing object and perform several filing tasks.
filing threshold	Refers to a maximum number of files which can be stored in a specific location. In addition to File Service limits, the Communications Monitoring Service monitoring profile controls the maximum number of log files that can be stored to a remote directory.

filing volume	The Services Volume on a server's rigid disk.
firmware	Programs, usually operating systems, that are stored in ROM (read-only memory) and cannot be changed in any way.
fixed	Describes the disk medium that cannot be removed from the drive.
floppy disk	A flexible, removable magnetic disk medium used for data storage and loading software onto the workstation and server.
floppy disk drive	A peripheral in an 8000 series server used to access floppy disks.
flow control	A method by which two communicating devices adjust the data flow between them to maximize the communication channel and prevent overloading the receiving device with incoming data.
folder	A directory that contains other files (documents and folders) created at a workstation. A folder stored on a File Service may be contained within a file drawer or a folder.
font	Typographical design applied to a collection of letters and graphic symbols that share certain characteristics such as style, weight, and stress.
font rotation	To turn fonts to a required angle to print a document.
font substitution	To use another font in place of the specified (and presumably unavailable) font. For the Print Service, the default substitution font is either from the Modern or the Classic family.
foreign	Describes devices that are not compatible with the XNS communication protocol standards such as personal computers, IBM mainframes, and non-networked VAX systems.
foreign domain	A domain in a foreign internetwork that is accessed using the External Mail Gateway option of the Mail Service.
Foreign Gateway Assistant	(FGA) An installable option that coresides with the Mail Service External Mail Gateway option. The FGA is an extension of a mail relay gateway. The FGA extracts mail from the External Mail Gateway forwarding queue and places it in a mailbox. The mail relay service retrieves the mail and then processes it for transfer to a foreign gateway.
foreign internetwork	A Xerox internetwork that is separate from your internetwork.
format	The arrangement or layout of data on magnetic media.
formatting	Refers to an online floppy disk or cartridge tape utility that prepares the magnetic media to receive data. Also describes the interpretation of the information in the Interpress master which includes referencing the fonts. Rotation, scaling, or conversion of fonts may be performed during this phase. The term also refers to formatting done by the Formatting Print Service. Also called <i>decomposing</i> .

Formatting Print Service	(FPS) Software that provides printing of detailed graphics, equations and text on Xerox production printers. It converts Interpress masters containing Interpress vector graphics into the proper format for printing on a 4050, 8700, or 9700 printer.
4050, 8700, or 9700 Electronic Printing System	The family of high-speed Xerox printing systems that are available to support XNS print services.
forwarder	The part of the Formatting Print Service that causes the transfer of the interleaved Interpress master to the Target Print Service.
forwarding	To transfer a message from one Mail Service to another to deliver it to the mailbox of its intended recipient.
forward queue	A temporary holding place for mail waiting to be forwarded to another Mail Service.
frame	A preset number of data bits transmitted as a unit.
FS volume	A filing volume that is registered in the Clearinghouse Service so it can be accessed over the network.
FS volume access	Privileges that allow users to copy files from the working directory of a server to an FS volume and retrieve files from an FS volume to the working directory.
full access	Describes all types of access to a file drawer: read, write, add, remove, and change access list.
full duplex	Describes a type of communication protocol that permits transmission of a signal in two directions at the same time.
fully qualified name	The name of an object or an individual registered in the Clearinghouse. A fully qualified name contains three parts: the local name or alias; the domain name; and the organization name.

G

gateway	A node shared by two or more networks through which data flows from network to network. Also describes services that transform communication protocols and information formats between systems with different architectures. See compatibility services .
gateway queue	A temporary holding place for mail leaving a Mail Service using the External Mail Gateway option. The External Mail Gateway Foreign Gateway Assistant moves the mail from the gateway queue to the SNA Mail Relay mailbox.
Gateway Service	(GWS) Provides non-networked 850/860 workstations access to the Mail Service to exchange information with other workstations on the network.
Genesis installation	Installing server and services software on the first server on an Ethernet network.

Genesis Internetwork Routing Service installation

Installing server or services software on a server to be connected to another network using an Internetwork Routing Service link.

Genesis Mode

A state that occurs on a multiple-server network during the installation of the first server, and on a single-server network after a non-normal server startup at interrupt point 2 or 3. This mode also acts as a booting facility when the server is restarted non-normally and when a Clearinghouse is not available for validation. In all cases, access is given to a limited set of commands that would normally be restricted.

germ file

A Boot Service file that loads a boot file into memory and starts its execution.

global

Describes the portion of each CHS database that is identical to that of all other Clearinghouse databases in the same internetwork. Also describes an External Mail Gateway that spans multiple Mail Services.

Greeter

An External Communication Service function that displays a menu to remote personal computer or other terminal users accessing Remote System Administration or connecting to the Interactive Terminal Service.

group

See **user group**.

group access

Privilege levels assigned to all members of a group. Access levels categorize the groups as open, closed, or controlled.

Group Administrator

The user who can determine group membership and assign privilege levels; each group should have two group administrators.

group list

A list of users with specific access rights maintained by the Clearinghouse.

H

half duplex

Describes a type of communication protocol that permits transmission of a signal in two directions, but not at the same time.

hard read errors

Errors reading a magnetic media that are not correctable.

hard-wired

Refers to the physical wiring of devices or circuits to perform a particular function.

HashTable file

One of the three files of a Librarian Service database; contains an index of the Records file.

hexadecimal

A number system with a base of 16; digits range from 0 through 9 and A through F.

hierarchical structure

Describes the XNS file system structure which offers an infinite nesting capability. There are no constraints on the levels of

- directories that can descend from the root, the length of a filing object name, or the pathname leading to an object.
- hierarchy** A specified rank or order; refers to the file system structure.
- high-capacity cartridge tape** A portable magnetic storage medium used in a 8090 high-capacity cartridge tape drive.
- high-level data link control** (**HDLC**) A set of procedures specified by the International Organization for Standardization (ISO) defining link access across the DTE/DCE interface; the functional layer within the X.25 protocol that controls the flow of data on a communication line.
- home File Service** The File Service assigned to an individual to access or store user-related data. The home File Service assignment is part of the user information maintained by the Clearinghouse.
- hops** The number of Internetwork Routing Services a packet encounters during transmission from one network to another within an internetwork; same as *steps*.
- host** A mainframe computer (either an IBM 3270 BSC or 3270 SNA) that is accessed by network users. Describes a communication partner for sending and receiving files.
- host element** A synonym for a device that has been assigned a 48-bit ID and can function as both the source and destination of packets. Servers, workstations, 860 Information Processing Systems, 820-II Personal Computers, and PCs are all host elements. Also referred to as system elements.
- host entry** Information stored in the local External Communication Service and in the Clearinghouse database that describes an emulated cluster controller (default host). The controller is associated with and named after a specific remote host that supports 3270 communication. The host entry and the RS232C port entry define the default host.
-

- I**
-
- icons** Graphic symbols representing all of the objects in ViewPoint software such as files, file drawers, inbaskets, outbaskets, printers, and terminal-emulation (TTY) devices.
- idle** The state that exists when the service attempts to start and the configuration information is either not available or not validated.
- image gaps** The blank strips running horizontally across a page of an 8040 Series printout, or vertically across a page of an NS 8000 Laser CP printout. Image gaps usually occur when generation of complex images or graphics cannot keep up with the speed of the printer.
- inbound list** A list of mail gateways that receive incoming mail from users in foreign domains. The list includes the phone number and geographic location of the gateway along with the names of the local domains receiving mail.
-

inbound mail gateway	An External Mail Gateway which handles incoming mail from foreign internetworks for a selected set of domains in its own internetwork.
increment	Data stored on a File Service that represents changes or additions since the last incremental backup.
incremental backup	A partial snapshot of the volume.
information buffer	A temporary storage place containing a list of data last read or written.
initialization	Actions performed after a service is first installed on a server; the actions include naming the service, ensuring it registers itself with the Clearinghouse, and supplying configuration information specific to that service. Also the process of naming a floppy disk, cartridge tape, or high-capacity cartridge tape prior to its use.
initialize	To use a high capacity cartridge tape utility to prepare a new or used tape for receive data.
input file drawer	A file drawer assigned exclusively to the Remote Batch Service to store jobs or documents for transmission to the communication partner.
input queue	A temporary holding place for mail posted to a local Mail Service or forwarded from another Mail Service.
installation utility	A program supplied by the Boot Service that lets users configure, install, and upgrade workstation software over the network.
installer utility	The utility program used to initialize a server's clock/calendar card, partition a rigid disk into three logical volumes, install Services System Software, and select the desired recovery option.
integration	Refers to the network's ability to resolve hardware and software incompatibilities so network users can access information from non-Xerox computers and other networks.
interactive	Describes a program that elicits a user's response by presenting an on-screen prompt and then reacts immediately to the user's input.
Interactive Terminal Service	(ITS) Software that provides access to the Mail Service, Print Service, and File Service for non-networked users of TTY-like terminals or personal computers emulating teletypewriters. The remote user communicates with the ITS through a modem and phone line, and is validated through the Clearinghouse Service. The ITS requires the ECS be installed with the Asynchronous Protocol option.
interconnectivity	Refers to the ability of multiple networks to act as a single, logical network.
interleaved Interpress master	An Interpress master which contains text and graphic elements. It refers to the converted master produced by the Print Service when it is configured as a Formatting Print Service.
internal loopback test	A diagnostic test that checks out the RS232C port hardware.

International Organization for Standardization	(ISO) An industry organization that standardizes codes representing alphabetic, numeric, and special characters.
internetwork	A composite of interconnected networks in which network resources are shared. A network can have multiple connections to other networks. Same as <i>internet</i> .
internetwork communication path	Any communication path between networks, including servers, CIU's, networked workstations, and telephone lines.
internetwork link	An IRS circuit joining two networks making them logically a part of the same internetwork.
Internetwork Routing Service	(IRS) Software that provides network users access to all services and the ability to communicate with other networks. An IRS is installed on each connected network. Changes to an IRS are automatically broadcast throughout the internetwork. The IRS provides the X.25 Communication Protocol option and the Clusternet Communication option.
interpress	A Xerox standard which defines the digital representation of files that are printed using the Print Service.
interpreted	A file transfer mode the Remote Batch Service uses. To transfer a document, the RBS translates it from a format it understands to a format understood by non-Xerox systems (EBCDIC DP or EBCDIC WP). To receive a document, it converts the data to its own format.
interrupt point	A stopping point in the server initialization sequence that gives the System Administrator access to administrative commands. Activities that can be performed after the interrupt include scavenging, or copying volumes, examining the backstop log, installing or upgrading services, changing software options or profile values, and activating, deactivating, or expunging services. These interrupt points are available after a non-normal server startup: <ul style="list-style-type: none">• Interrupt before opening primary volume• Interrupt before processing profile• Interrupt before running services
interservice dependency	A condition that exists when one service cannot perform a particular function without the help of another service.

J

job	See task .
Job Control Language	In the Remote Batch Service, the instructions to the communication partner regarding how to perform the job and the type of output expected.

K

key The password associated with each registered object.

L

large capacity drive A removable rigid disk drive for the 8000 server. Available in 80 Mb or 300 Mb drive configurations.

laser printer A device that transfers a digital image to the printing medium (usually plain paper). Xerographic laser printers cast pulses of light onto an electrically charged photoreceptor. The digital image controls the pulses to produce the desired output. Where light strikes the photoreceptor, the electrical charge is neutralized. The photoreceptor then passes through toner which attaches to the remaining electrically charged areas. The resulting image is transferred to and fused onto the medium to produce the output. Also referred to as an *electronic printer*.

leased line A communication line leased for dedicated use.

libject The library objects the Librarian Service uses to keep track of shared data.

Librarian Service (LS) Software that works together with the File Service to control access to shared data.

Librarian Service database The database that contains the authentication level and the list of users with read and write access rights; used to control access to shared data. The database also contains information identifying the shared documents and tracking their availability.

line speed The rate at which a modem transmits data across an asynchronous communications link; measured in bits per second.

link The means of connecting one location to another in order to transmit information.

list bad pages A diagnostic utility for the 8000 server that enters the number of bad disk pages in the bad page table.

local Refers to a system element, such as a file, a database, or a physical component, that is attached to or stored at the computer.

local area network (LAN) A data communications network that allows computers, terminals, and other data processors to share resources and processing power.

local console The serial CRT directly connected to the server.

local log file A copy of the last full working log file stored in the working directory of the server containing the Communications Monitoring Service.

local name	The first part in the three-part fully qualified name.
local port	Describes the port installed at the server as compared to those accessible over the network.
log bad page	A diagnostic test for the 8090 server that records the number of a damaged or marginally usable page on the cartridge tape drive or high capacity disk drive in the bad page table.
log file	One of the three files of a Librarian Service database; records the transactions since the last database backup. Also the Communications Monitoring Service file that contains information regarding communication service performance.
logged on status	The user status that provides access to an added layer of service commands.
logical	Refers to a non-physical object within the network such as a file drawer, a domain, or a user mailbox.
logical unit	(LU) The means within the SNA environment through which a user or an application can access the network.
logoff	The process of stopping a session on a computer system.
logon	The process of starting a session on a computer system.
lookup service	Describes the ability of the Clearinghouse Service to locate the name of any object registered in its database.
low capacity drive	A series of fixed disk drives for the 8090 server. Available in 25 or 85 Mb configurations.

M

mail clerk	A user who checks the gateway mailbox and forwards 850/860 mail to network users.
mail form	A form used by 860 Information Processing System users to send plain text and graphic enhanced documents.
mail group	Groups used to create mail distribution lists.
mail note	A plain text message without graphics. ViewPoint software distinguishes a mail note from a document. When a mail note accompanies a document, it is referred to as a cover sheet. For SNADS-to-XNS mail, the SNA Mail Relay translates the contents of the DIU's message field into a mail note. For XNS-to-SNADS mail, the SNA Mail Relay converts a mail note into an DCA document.
Mail Service	(MS) Software that is directly accessible to all networked workstations, and to any non-networked device that can dial up the appropriate compatibility service. The Mail Service uses the Clearinghouse Service to provide addresses and distribution lists to deliver mail and the Internetwork Routing Service (IRS) to

- route messages to other networks. The Mail Service requires a File Service to back up its database.
- Mail Service database** The information stored by the Mail Service on the server disk, including mailboxes, their contents, and messages queued for forwarding and delivery.
- mail system** The union of all Mail Services in an internetwork to provide a single mail transport system.
- mailbox** A storage place for mail messages awaiting delivery to a client.
- mainframe** A computer system that supports a large number of devices, applications, and users, and is able to process jobs in batch mode.
- main memory** Typically, the fastest storage device of a computer; its main function is to execute instructions to the system.
- maintenance** Additions, modifications, or updates to network hardware and software to keep it functioning properly. Regularly backing up services is a critical aspect of network maintenance. Analyzing the statistics gathered by various services also aids in maintenance.
- maintenance panel code** A numeric code that displays on the server's front panel to indicate normal operation, a hardware problem, or a diagnostic test. Also called an *MP code*.
- mapping** In the server profile, the SNA Mail Relay maintains routes or mappings used to deliver mail. For XNS-to-SNADS mail, the routes are from foreign domains to DGNs. For SNADS-to-XNS mail, the routes are from DGNs to XNS domains. Both are also used to construct appropriate recipient names.
- marker** A term describing the part of the Print Service that causes the transfer of the image to the medium, as in placing marks on the paper. It is also referred to as the imaging subsystem.
- mass storage device** A high density disk drive.
- master** A file written according to the Xerox Interpress standard. It precisely describes the desired appearance of a page that has been completely composed by some other process. It is the Interpress master which, when executed by an Interpress printer, produces a printed image.
- media scan test** A test that scans a formatted rigid disk to identify physically damaged disk pages. This test reports the address of the bad pages so that they can be recorded in the bad page table.
- medium** The material or device used to store data; the type of interconnecting cable used in a network; or the type of material to which the print engine transfers the image such as thermal recording paper or plain paper.
- medium capacity drive** A series of rigid disk drives for the 8000 server that are fixed. They include 10, 29, or 42 Mb configurations.

merging internetworks	Combining one internetwork with another by establishing a link between a pair of Internetwork Routing Services (one on each internetwork). The Clearinghouse databases of each internetwork are also merged.
message	A file submitted to the Mail Service for delivery to one or more network objects. Also refers to a sequence of packets or datagrams that expresses a full request or reply to a network application.
message heading	The portion of a undelivered mail message returned to the sender or, if that fails, sent to the local Postmaster mailbox. The heading contains only the subject, recipient list, and other information to identify the message.
microcode file	A Boot Service file that provides the basic instructions to the hardware.
modem	Short for modulator/demodulator. At the sending end, a modem converts (modulates) digital information into analog signals, which can be sent over phone lines. At the receiving end, a modem converts (demodulates) the analog signals back into digital information, which can be understood by computers, workstations, or servers.
modem emulator	A device that enables local communication between devices without converting digital signals to analog signals.
modem loopback test	A diagnostic test that checks the operation of the RS232C synchronous functions.
monitored server	A server whose availability and performance is monitored by the Server Monitor Service.
monitoring profile	The set of parameters that describes the type of monitoring and logging you want the Communications Monitoring Service to perform. The monitoring profile is stored in the Communications Monitoring Service section of the server profile.
monitoring server	A server that is running the Server Monitor Service.
MP code	See maintenance panel code .
MPOK	See Multiport Options Kit .
multi-drop	A leased communications channel that accommodates multiple devices.
multi-net	Refers to configurations comprised of several Ethernet networks.
multi-tasking	A feature of the XNS operating system and of the server environment that makes it possible for multiple services to run concurrently.
multilingual support software	The mapping capability that supports input and output in several languages.
multiple-drive server	Describes a server that is configured with multiple drives containing the primary and secondary volumes.

multiple-server network	Refers to an interconnected network containing several servers each of which is running Services System Software.
multiplexing	The ability of many circuits to share a single physical link. The circuits appear to be using the link at the same time although only one circuit is actually enabled at any instant.
Multiport Option Kit	(MPOK) The Multiport Option Kit extends the local port to four ports. It can be configured to run a synchronous or bi-synchronous communication protocols (IRS, Clusternet, 3270 SNA, External Mail Gateway, and X.25).

N

NAK	Negatively acknowledged; a signal sent during data transmission indicating data was not received.
net share	The act of offering a filing or printing resource to the network through the PC File Service.
network	The physical and logical connection of system elements. A network allows information exchange between workstations and servers.
network address	The address of a computer on the network; consists of a network number and processor ID number.
network architecture	The organizational concept and physical structure that lets devices at multiple locations communicate over common carrier transmission facilities. The network architecture specifies the processors, workstations, and terminals, and defines the protocols and software to accomplish data communications.
network community	Refers to the elements that communicate on the same network or on another network in the internetwork; see organization .
network entity	Another term for object .
network name	The name that identifies a filing or printing resource on the server.
network number	See Ethernet number .
network object	Another term for object .
network resource	See resource .
network server	A server running the Services System Software and one or more services.
networked workstation	A computer that can access the resources of the network.
node	Describes a computer attached to a network.

non-Genesis installation	Installing server and services software on a server connected to an existing network. An existing network includes other services that are running a Clearinghouse Service.
non-normal startup	An optional startup mode that allows access to commands that affect server configuration.
non-transparent	A mode of transmission in BSC protocol used to transmit textual information.
normal startup	An automatic or user-specified startup mode that allows server initialization.
NRZ, NRZI	Abbreviations for non-return to zero and non-return to zero, inverted. Methods used by port hardware to encode ones and zeros for transmission. The single-port RS232C Communication Kit supports only NRZ encoding. The Multiport Option Kit supports both NRZ and NRZI.

O

object	An item registered in the Clearinghouse database. Each object has a property ID and a set of attributes. Objects include: organizations, domains, user names, group names, and services.
object-level access controls	Refers to the ability of an object contained in a larger object to have its own access controls.
octal	Refers to a number system using base 8.
offer	A PC File Service resource made available to the network as a net share.
offline diagnostics	Programs stored on a magnetic media to check the server hardware. See diagnostics .
offline volume	A state of a File Service volume which makes the volume inaccessible to users.
offset	The difference between Greenwich mean time and the local time; required to answer the time facility prompts.
online diagnostics	Programs stored on the server rigid disk to check the server hardware. See diagnostics .
online volume	A state of a File Service volume which makes the volume accessible to users if the File Service is started.
open group	A user group that individuals can join or leave at will.
open volume	A state of a File Service volume. A volume that is open and offline is only available for local System Administrator activities. A volume that is open and online is available to all network users.
organization	A high-level logical grouping of domains in the Clearinghouse database (usually corresponding to an entire company or equivalent). Most internetworks contain only a single organization. A Clearinghouse Service maintains the following

	data for each organization it serves: the list of organization administrators, the list of its domains, and the names of all Clearinghouse Services that serve each of these domains.
Organization Administrator	The user (or members of a group) with administrative access rights to set up and maintain an organization. Tasks include creating and maintaining the Organization Administrator's list of users, creating new domains, deleting obsolete domains, and deleting the last instance of the only domain in a given organization.
organization name	The third part of the fully qualified name which identifies the top level in the Clearinghouse database hierarchy.
outbound mail gateway	A Mail Service gateway that handles outgoing mail from its own internetwork for a selected set of domains in a foreign internetwork.
output file drawer	A file drawer assigned exclusively to the RBS to receive jobs or documents from the communication partner.
owner	An internetwork user associated with a file drawer; an owner has full access rights to the file drawer.

P

packet	A block of data for transmission. Packets include control characters to provide routing and error checking. Large amounts of data are divided into smaller packets for transmission.
packet switching	Refers to the technique used by packet switched data networks to transfer data in a series of fixed-length blocks from one location to another.
packet switched data network	(PSDN) A public network accessed through the X.25 protocol which is implemented by the Internetwork Routing Service. Telenet, Tymnet, and Japan's DDX are all examples of PSDNs.
page	A unit of measurement Xerox applies to rigid disk storage and files; a page equals 512 bytes.
parameter	Any definable characteristic of the system.
parity	A process to check the accuracy of data transmission. The process verifies the transmitted and received data by comparing the bit totals. Parity can be odd, even, or none.
parity bit	A bit used to check the accuracy of data transmission; a parity bit is added to a group of bits to make the total always odd or always even.
parity checking	The addition of non-information bits to transmitted data to make the numbers of bits either even or odd; verifies that a character has been transmitted correctly.
partitioning	Dividing a rigid disk's space into three storage areas: two for system software and one for services software.

partner	See communication partner .
password	The unique character string users must enter to successfully complete logon. To protect network security, asterisks appear instead of actual characters.
path	The syntax for identifying a specific file or directory in a hierarchical file structure.
path control	The functional layer within SNA that controls the routing of messages.
pathname	The route to objects that are nested within other objects. The format for a pathname is: (fileservice:domain:organization)filedrawer/filefolder/filename
pattern	The use of wildcards in place of some or all of the characters in a filename, or in place of one or more parts of a fully qualified name; used to list or display objects of a particular type.
PC File Service	Software that lets PC users access files on a network File Service.
PCFS directories	A collection of files maintained by the PC File Service and stored on a File Service.
pending queue	A temporary holding place for mail messages waiting to be forwarded.
permanent virtual circuit	(PVC) A circuit supported by X.25 networks which are set up during network subscription and do not require call establishment before use. PVCs are used for applications that would normally use leased lines on non-X.25 networks.
photoreceptor	A device that transfers information in the form of an image.
physical unit	(PU) A device within SNA that provides network administrative services for its node. There are five PU types; each type is associated with a different class of devices: <ul style="list-style-type: none">• PU Type 1 - dumb terminals• PU Type 2 - cluster controllers• PU Type 2.1 - advanced cluster controllers• PU Type 4 - communications controllers• PU Type 5 - hosts
physical volume	A formatted, permanent storage space available on rigid disk drives.
physical volume bad page table	A list of damaged or marginally usable disk pages on the physical volume.
pica	A unit of measurement equal to 0.166 inch or 12 points.
Pilot Operating System	(Pilot OS) The basic operating system included with the Services System Software. Pilot OS manages server memory, files, and network communication.

pitch	A unit of measure applied to fonts; identifies horizontal character spacing by defining the number of characters per inch. A 10 pitch font contains 10 characters per inch. Fixed pitch means that all of the similarly-sized characters in that font have the same width.
pixel	A picture element; a small discrete element, a group of which constitutes an image. The 8040 Series printer and the NS 8000 Laser CP print 300 pixels per inch. The Telecopier 495-1 prints 200 pixels per inch.
point	A unit of type measurement equal to 0.139 inch; used to describe the height or size of a set of characters within a font. There are 12 points in a pica and 72 points in an inch.
poll	To check the availability of a monitored server. Also to check a queue for messages waiting to be sent.
port	A data passage into and out of a computer or other device. Computers transmit and receive data through ports. Other devices, such as printers, receive data through ports. RS232C is a commonly used standard for computer ports.
port entry	Describes the RS232C port to the ECS. The port entry along with the host entry define the default host that is activated when the ECS starts.
primary drive	The virtual and physical components of the drive from which the server normally loads the Services System Software and other service software.
primary volume	The services volume on drive one from which the server boots the Services System Software and loads the services. Also one of two types of filing volumes used by the File Service.
Print Service	(PS) Software that provides the resource for obtaining printed output of documents to clients accessing the network; options include electronic and facsimile printers that can produce text integrated with graphics, equations, and multiple fonts.
printer	The device that transfers the image, produced by executing the Interpress master, to the medium. Also referred to as a <i>print device</i> or <i>engine</i> .
printing option	Determines how the printed documents are produced by the Print Service. Each instance of the PS is configured to provide one printing option. Printing options are the 8040 Series Electronic Printer, the Laser CP Electronic Printer, the Telecopier 495-1, and the Formatting Print Service.
processor ID	A number contained within ROM (read-only memory) in the Ethernet interface card; essential to the network addressing scheme.
profile file	The record of configuration information. See server profile .
propagation	The method by which common information travels throughout the Clearinghouse databases to maintain consistency; occurs each

	time an object is updated and each time a new Clearinghouse Service is added to the network.
protocol	A formal set of rules that govern the format of data and control the exchange of information between communicating devices.
protocol conversion	A function that allows two or more incompatible devices to communicate. The ECS 3270 BSC, 3270 SNA, and Asynchronous Communication options use a form of protocol conversion called device presentation emulation or datastream conversion.
public data network	A privately-owned or government-owned subscription service that provides network interconnection to the public. See packet switched data network .

Q

queue	A temporary holding place for documents waiting to be printed.
queuing	The process of storing and tracking documents processed by the Print Service. Also referred to as <i>spooling</i> .

R

random access memory	(RAM) Refers to the type of memory that is available to perform service functions; contents stored in RAM can be altered.
read buffer	A temporary storage place containing a list of the most recently read data.
read errors	Errors occurring during the reading of a magnetic media.
read-only memory	(ROM) Refers to the type of memory that is always needed by the central processing unit; contents stored in ROM cannot be altered.
real memory	Volatile or changeable memory as opposed to permanent, on-disk memory. Servers must have a minimum of 512 Kb of real memory.
reboot	To restart the server or workstation. This process clears memory and reloads software.
receive buffer	A temporary storage place containing a list of the most recently received data.
record	A collection of fields in the Clearinghouse database describing a specific network object, its attributes, and values.
Records file	One of the three files of a Librarian Service database; contains the libjects.
registered object	See object .

registered user	A person who has been added as a user within a specific domain. The user object in the Clearinghouse database has the following attributes: password, aliases, home File Service name, and Mail Service name.
registration	Service initialization that creates a Clearinghouse entry and validates the entry each time the service restarts.
registration validation	The operation performed by the server registration facility when restarting a registered service. The facility verifies that the service has a valid Clearinghouse record and that the parameters in the record match those in the server profile.
remote	Not a part of the local hardware or software. Also refers to other devices or networks accessed by a communication link.
Remote Batch Service	(RBS) Software that provides document exchange with devices and systems implementing the IBM 3270 Binary Synchronous Communications (BSC) protocols. 2770, 2780, and 3780 remote batch terminals use this protocol; other data and word processing devices emulate it. The RBS uses the File Service to store documents to be transmitted to, and received from, the remote devices.
remote connection	An association created within a remote session between a remote client and a single resource on a PC File Service.
remote log file	A copy of the local log file stored in a File Service by auto-logging.
remote session	A single communication link between a remote user and the PC File Service.
Remote System Administration	(RSA) A feature of the server software that enables multiple concurrent Services Executive sessions. Available from networked workstations and remote dial-in devices to perform most administrative network tasks.
remote workstation	A workstation attached to an internetwork using an RS232C port, a modem, and leased or manually dialed lines.
removable disk	See disk pack .
removable disk drive	A type of drive that can be used in the server and that supports one removable disk pack at a time. Each server can support up to four of these drives at one time.
repeater	A device that retransmits packets from one segment to another; used when long lengths of cable are required to boost the signal on the network.
replication	Refers to the duplication of a domain, or a domain and an organization, from one Clearinghouse database to another; occurs each time a change or update occurs. Replication provides the means for domain and organization backup when multiple Clearinghouses exist in an internetwork.
resolution	The dots per inch (DPI) that a printer is capable of producing when rendering an image. The resolution is 300 DPI for the 8040 Series Electronic Printer and the NS 8000 Laser CP Electronic

- Printer. The resolution is 200 DPI for the Telecopier 495-1. The quality of the printed image increases with the number of DPI. Dots per inch are also referred to as spots per inch (SPI).
- resource** An individual file subtree or printer offered to the network.
- restart** The act of causing initialization to occur.
- restore** To recover information from a remote backup location.
- retensioning** An online cartridge tape utility that sets the tape to the proper operating tension; often used to correct read errors.
- rigid disk** A hard disk medium used as the main storage device for software and data on the workstations and servers.
- rigid disk drive with removable media** A hard disk, physically separate from the main computer, that uses removable disk packs.
- rigid disk drive, Winchester** A rigid disk that is normally contained within the main computer unit. Also referred to as a fixed disk.
- root** The first directory in the filing hierarchy. On servers, the root has file drawers as its immediate descendants. On a server, there are up to four filing volumes, each with its own root.
- route** The path that a packet travels between the originating computer or network and the ultimate destination.
- routing table** The map of the internetwork the Internetwork Routing Service maintains. The table lists each destination network and provides the route using a step or hop count.
- RS232C** Describes the interface between a modem and its associated data terminal equipment. Based on the Electronic Institute of America (EIA) specification of a standard electrical interface for the serial transmission of digital data.
- RS232C Communications Kit** The option that adds one external RS232C port to the server; supports byte-synchronous communications.
- RS232C option (CIU)** See **Communications Interface Unit**.
- RS232C option (MPOK)** See **Multipoint Option Kit**.
- RS366** The standard for achieving autodialing over a serial port; included on the local port and on the Multipoint Option Kit.

S

- sampling rate** The frequency at which the SMS instructs the monitoring server to check the availability of the monitored server.
- sans serif font** A font in which the characters do not have short lines stemming from each letter; Modern is a sans serif font.

scan conversion	Refers to the complete digitization of an image. A scan-converted image consists entirely of binary ones and zeros, with each digit representing a pixel.
scan direction	The description, in relationship to the medium, of the way the spots which make up the image are transferred to the medium. The fast scan direction is the orientation of the scan lines which are fed directly to the electromechanical imaging system. The slow scan direction is the direction that the fast scan lines move across the medium.
scavenging	The process of repairing the filing system after a system failure; determines the location and cause of the problem.
SDLC	See synchronous data link control .
secondary drive	A disk drive other than the primary drive that contains secondary or auxiliary volumes.
secondary volume	The Services volumes on drives 2 through 4 on the server. They are optional and used only as File Service volumes.
segment	A length of coaxial cable.
self access	An access right that lets users add themselves to, or remove themselves from, user groups.
self-registration	A function performed as part of initialization and each restart during which a service registers itself and any other resources it may control in the Clearinghouse database.
serial CRT	The teletype operator terminal directly connected to the 8000/8090 series computer when it is used as a server.
serif font	A font in which the characters have short lines stemming from each letter; Classic is a serif font.
server	A processor dedicated to running the Services System Software and one or more server applications (called services).
server access controls	Restrictions applied to Services System Software commands and other service commands based on a user's status. Users given System Administrator privileges can access all commands including those that can impact the current configuration or the state of the server or its services. Other users are given access to subsets of these commands.
server application	Same as service .
Server Monitor Service	(SMS) Software designed to monitor a group of servers from one location, check their availability and performance, and report problems by sending mail messages to the System Administrator or other designated users. The SMS requires a File Service to back up its database.
server profile	A file that stores information describing the server and its resident services.
service	Software running on a server that performs a specific function, such as printing, filing, or managing a shared network resource.

	XNS provides three types of services: basic, communication, and utilities.
Services Executive	The software that lets users install, setup, maintain, and troubleshoot the server and services. A user can access it from a remote workstation or directly at the attached server console.
services options control	A password that acts as a control mechanism to let the system software determine the service options you purchased.
Services System Software	Software that runs the server and provides an environment in which one or more network services can operate and communicate with each other.
services volume	The largest of the three logical volumes on a rigid disk into which a physical volume is partitioned. This volume is the total amount of space allocated to the file system. When this volume is the primary services volume on a server, it contains all of the services code and database files. A services volume is the primary volume if it is the only rigid disk on a server, or if it is the disk from which a multi-drive server normally loads software. It is also called the <i>filig volume</i> or <i>user volume</i> .
session	An extended connection between a network user and a service during which several tasks are performed.
setup	Performing procedures to configure services for the first time.
Shared Books	A feature of the Viewpoint software that lets users share data.
Shared Interface Unit	(SIU) A device which lets one or two remote workstations access the internetwork through its RS232C ports. The SIU itself is directly attached to an Ethernet. The SIU ports use synchronous point-to-point protocol. Each SIU has two RS232C ports and is not expandable. Workstations can attach directly to the SIU's ports or can use dial-up or leased line modems. The 860 Information Processing System, and the 820-II and 16/8 Personal Computers, can be attached to an SIU.
shortname	A one to eight character ASCII string used as an alias for a PC File Service resource. If defined, the alias is used as the network name.
simplex	Describes a circuit capable of one-way transmission only.
single-drive server	A server with only one volume, the primary volume.
single-net	Refers to a network configuration that contains only one Ethernet network.
site	A building or campus which has one or more networks.
slow page printing	A Print Service feature that allows more time to process a page with complex graphics and corrects image gaps before printing the page.
SMR	An abbreviation for SNA Mail Relay.

SMR database	Describes the SNA Mail Relay storage which is maintained by the SNA Access to protect mail in the event of a hardware or software failure.
SNA	See systems network architecture .
SNA Access	(SNA) Software installed with the SNA Mail Relay (SMR) that supports the SMR and other SNA applications by performing low-level protocol conversions and transmission. SNA Access provides a set of commands available in its own Services Executive context (SNA).
SNA Access application	A service, such as the SNA Mail Relay, that uses the communications and other resources of SNA Access.
SNA Mail Relay	(SMR) Software that provides mail exchange between XNS and DISOSS. For XNS-to-IBM mail, the SNA Mail Relay relies on the External Mail Gateway and Foreign Gateway Assistant. For IBM-to-XNS mail, the SMR posts mail received from DISOSS just like a workstation user does.
SNA network	A network in which the computers exchange data using SNA protocols.
SNADS	An abbreviation for SNA Distribution Services.
SNADS component	The part of the SNA Access that implements the SNADS protocols. On the XNS network, the SNADS component supports the SNA Mail Relay, an SNA Access application.
SNADS network	An SNA network in which the computers are running software that implements the SNA Distribution Services (SNADS) protocols for document distribution.
SNADS network name	In the SNA Mail Relay context, the name of the SNADS network with which an XNS network exchanges mail.
snapshot	The set of increments produced during a given backup cycle.
soft read errors	Errors reading a magnetic media that are correctable.
Software Control Center	The Xerox office that provides passwords and software serial numbers.
software serial numbers	(SSN) The numbers identifying product options to be enabled during server configuration.
source drive	The rigid disk drive containing the filing volume that sends information to the destination drive during a File Service copy volume backup.
source drive	The rigid disk drive containing the filing volume that sends information to the destination drive during a File Service copy volume backup.
split increment	A backup increment that is created in parts. Each split increment contains a list, called a split increment index, of all files considered for backup.

split increment index	A list of the files that existed on the volume when backup was run.
spooling	The process storing and tracking documents processed by the Print Service. Also referred to as <i>queuing</i> .
SSN	An abbreviation for software serial number .
Standard Etherboot Files	The Boot Service files containing the network diagnostics and installation utilities.
Standard Services Software	The software package containing the basic server operating system and the Services System Software, the Clearinghouse Service, the External Communication Service, the Server Monitor Service, and Online diagnostics.
started	The service state which determines the available resources. The available commands depend on the existing configuration information and the user's status.
station	Refers to a computer, workstation, or server.
status distribution	A Distribution Interface Unit (DIU) that SNADS applications use to display error messages and to confirm delivery.
step count	A measurement used by the Internetwork Routing Service to determine the number of Internetwork Routing Services a packet will encounter during transmission from one network to another; also known as a hop count.
stop bit(s)	One or two bits at the end of a character in asynchronous transmissions; used to signal the beginning of the next character.
stopped	The service state in which only the Start Service command is available.
storage device	A medium (floppy disk, cartridge tape, disk pack or disk drive) used to store data and programs.
store frequency	The parameter in the Communication Monitoring Service monitoring profile that identifies the number of times to store log files to a File Service during auto-logging.
subdirectory	A file folder containing other folders and documents.
summary error log	A list of errors found on the floppy disk drive hardware through various diagnostic tests.
summary log	A list of RS232C hardware errors.
switched line	A dial-up phone connection; not leased. This connection allows the sharing of resources and switching from one resource to another.
switched virtual circuit	(SVC) A circuit supported by X.25 networks that gives the illusion of providing a point-to-point connection to the X.25 network. SVCs are set up at call establishment time and are used for applications that would normally use dial-up and dial-out lines on non-X.25 networks.

synchronous	Transmission of data in which the time interval between successive bits is constant. Differs from the asynchronous protocols in which the receiver and sender synchronize on the start and stop bits associated with each character.
synchronous data link control	(SDLC) A bit-oriented protocol for data transfer between devices using synchronous data transmission techniques; defines the data link control layer associated with SNA.
synchronous message	A message the server displays in response to a user action.
synchronous modem	A modem that generates pulses to synchronize with the modem at the other end of the phone line. Differs from an asynchronous modem, which transmits start and stop bits for synchronization.
SYSGEN	The configuration or system generation of a processor in the IBM environment, which allows communication with connected computers, controllers, and terminals.
System Administrator	A user with specific responsibilities for setting up and maintaining the network services. In each domain of an internetwork, there is at least one System Administrator.
Systems Analyst	A Xerox employee available to assist System Administrator with network tasks.
system volume	One of the three logical volumes created by partitioning the hard disk. On the primary drive, it is used to store database and files; it can also be used for shared filing. On a secondary drive, it may be used for shared filing and backup procedures.
systems network architecture	(SNA) Describes the logical structure, formats, and protocols used by data communication networks. Developed by IBM for distributed processing networks.

T

tap block	The device that makes the physical connection between the transceiver and the coaxial cable.
Target Print Service	The printer to which a Formatting Print Service sends documents.
task	A unit of work to be performed by the Remote Batch Service; also called a <i>job</i> .
task folder	A folder used by the Remote Batch Service to transport tasks.
teletype protocols	The communication standards used by remote terminals and the Interactive Terminal Service to allow information exchange on the network.
terminal	An input and output device, consisting of a keyboard and video display, that is attached to a server. Also refers to a device being emulated by ViewPoint.
terminal emulation (3278, VT100, TTY)	Options that let the 6085, 8010, 860, and IBM PC workstations act like (emulate) terminals that are able to communicate with

- mainframe or minicomputer hosts. See **3278 Terminal Emulation software**.
- terminals (2770, 2780, 3780)** The family of IBM Remote Batch Terminals with which the Remote Batch Service communicates.
- terminator** A cap placed on each end of a coaxial cable segment to terminate a signal.
- test bad pages** A diagnostic for the 8000 server medium capacity disk that attempts to repair bad pages and records their numbers in the bad page table.
- test patterns** Interpress masters stored on the Print Service which are used to identify problems with print quality. Some print engines with noticeable tolerances in their paper path need an alignment pattern to aid in the adjustment of digital timing to coincide with the paper path.
- 3270 Communications Protocol** A software option that supports compatible information exchange between workstations emulating 3270 terminals and an IBM host; used with the External Communication Service (ECS); supports both IBM 3270 Binary Synchronous Communication (BSC) and IBM 3270 System Network Architecture (SNA) protocols.
- 3270 SDLC/SNA Communication Protocol option** Optional software that enables users to communicate interactively with hosts in the SNA environment using SDLC protocol.
- 3270 series terminals** Refers to a series of IBM display terminals that access mainframe application using cluster controllers. ViewPoint terminal emulation software emulates 3278-2, 3278-3, 3278-4, and 3278-5 series terminals.
- 3278 Terminal Emulation software** Optional software that enables workstations to emulate a 3278-2, 3278-3, 3278-4, or 3278-5 display terminal.
- throughput** Relates to the speed with which data transmission or other operations are performed; describes the total information communicated during a specific period of time.
- time stamp** The date and time a document or activity log was created or when an event occurred.
- top-level directory** A directory that is a descendant of the volume root.
- topology** The physical layout of a network.
- trace table** A list of the most recently entered commands.
- transceiver** The device between the networked computer interface card and the Ethernet cable. A transceiver sends signals to and receives signals from devices on the network. Also detects collisions on a channel or clear channel status. Each networked device has its own transceiver.
- transient link** A link between Clearinghouses that does not remain constant.
- transmission** The sending of data to one or more locations or recipients.

transmit buffer	A temporary storage place containing a list of the most recently transmitted data.
transparent transmission	A mode of transmission in BSC protocol where the data is permitted to have any value; used to transmit non-textual information.
TTY	An abbreviation for teletypewriter; refers to equipment with typewriter-like keyboards used in communication systems.
turnaround tool loopback test	A diagnostic test that checks the RS232C asynchronous functions.

U

uninterpreted	A file transfer mode the Remote Batch Service uses for interchanging documents without altering their content.
update propagation	An automatic activity the Clearinghouse Service performs when it receives an update to its database. See propagation .
user	A person who interacts with the software through a user interface at the server or the workstation.
user group	An object in a domain that contains a list of users; used instead of entering all user names when assigning access rights or sending messages to all members.
user interface	The interaction between a user and a server or workstation, including the messages and prompts that appear on the screen.
user name	The fully qualified name or the alias of a user registered in the Clearinghouse Service database.
user profile	A file maintained by the Interactive Terminal Service listing information such as the directory path, terminal options, and Print Service data in effect for each user when they logged off.
User Profiles drawer	A file drawer containing Interactive Terminal Service user profile information.
user volume	See services volume .
utilities services	The services that monitor server performance and communication activity; provide etherbooting of installation and diagnostic utility programs; and control access to a database of shared data. These services include: the Boot Service, the Communications Monitoring Service, the Librarian Service, and the Server Monitor Service.
utility	A kind of file which performs a single dedicated function, such as installing software or diagnosing hardware problems.

V

value	The information associated with an attribute.
verify disk surface	An offline diagnostic test for the 8000 server large capacity drive or the 8090 server high capacity disk drive that identifies the bad pages on the disk.
verify read operation	An online cartridge tape utility that determines whether a problem is caused by the tape media or the drive hardware.
verify tape surface	An offline diagnostic test for the 8090 server cartridge tape drive that identifies the bad pages on the tape surface.
virtual circuit	See permanent virtual circuit .
virtual memory	A technique that provides the illusion that main memory is unlimited; created by combining small memory with a large disk thus treating secondary storage as an extension of main memory.
voice-grade	A circuit or line capable of speech transmission.
volume	A logically distinct collection of files which can be made accessible or inaccessible at the same time. A disk pack contains one volume and each volume contains one file system. Volume names are registered in the Clearinghouse as a File Service.
volume root	A single directory which forms the base of a hierarchical file structure. The volume root is an ancestor of every file on the volume, and every file on the volume is a descendant of the volume root.
volume state	Refers to the various states of a server volume, which include: open, closed, online, and offline.
VT100	A type of serial CRT used with timesharing systems; can be emulated by ViewPoint so users can connect to remote hosts through the External Communication Service.

W

WAK	Wait acknowledgment; a signal sent during data transmission; usually means data was received and transfer cannot begin until the service responds.
wide area network	(WAN) A network comprised of several interconnected network sites.
wildcard	A symbol that stands for one or more characters in a filename or in place of one or more parts of a fully qualified name; used to specify many objects of a particular type. A wildcard symbol may be an asterisk (*) or a chart sign (#).

word processor	A single-user computer designed for word processing use; also refers to word processing software that runs on a general purpose computer.
working directory	The directory in the file system of the server where files can be stored for access by the System Administrator.
working log file	An array of log entries in virtual memory which contain data captured from the communication line being monitored by the CMS. There are two working log files.
workstation	A computer that directly or remotely connects to the network to access network services.
write buffer	A temporary storage place containing a list of the most recently written data.
write enable	To allow the read/write heads access to the storage device so that new information can be added and existing information to be changed.
write errors	Errors occurring when data is recorded on a magnetic media.
write protect	To prevent write access to the storage device; existing information may be viewed but not altered in any way.

X

Xerox Character Code	The 16-bit character code used by Xerox that is fully compatible with the 8-bit ASCII code set and the ISO 646 standard.
Xerox Network System	(XNS) A combination of hardware and software that unites specialized devices into a network where the capabilities of a variety of workstations are enhanced by distributed services.
XID	Stands for Exchange ID, which is a hexadecimal number that identifies the SNA Access to the host over the phone line.
XModem protocol	An asynchronous communication protocol that facilitates file transfer between personal and mainframe computers. The XModem protocol requires eight data bits, no parity, and one stop bit.
XOn/XOff	A flow control method used in asynchronous communication in which a receiving device sends an XOff character when it cannot receive any more data and sends on XOn character when it is able to receive more data.
X.25 Communications Protocol	An Internetwork Routing Service option that defines an interface between data terminal equipment (DTE) and data circuit terminating equipment (DCE) for terminals operating in the packet mode on public data networks. X.25 is structured to allow multiplexing, which lets many virtual circuits share a single physical link.

A

Item	Book	Page
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