
Overview

and

Installation



Novell®

Netscape® Collabra Server™
FOR NETWORK®

disclaimer

Novell, Inc. makes no representations or warranties with respect to the contents or use of this documentation, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Novell, Inc. reserves the right to revise this publication and to make changes to its content, at any time, without obligation to notify any person or entity of such revisions or changes.

Further, Novell, Inc. makes no representations or warranties with respect to any software, and specifically disclaims any express or implied warranties of merchantability or fitness for any particular purpose. Further, Novell, Inc. reserves the right to make changes to any and all parts of Novell software, at any time, without any obligation to notify any person or entity of such changes.

export notice

This product may require export authorization from the U.S. Department of Commerce prior to exporting from the U.S. or Canada.

trademarks

Novell and NetWare are registered trademarks of Novell, Inc. in the United States and other countries. IntranetWare is a trademark of Novell, Inc.; Novell Directory Services (NDS) and Network Support SEPro) are trademarks of Novell, Inc. Other product and brand names are trademarks of their respective owners.

Novonyx is a trademark of Novonyx, Inc.; Netscape and Netscape Navigator are registered trademarks of Netscape Communications Corporation; Netscape's logos and Netscape products (Netscape Enterprise Server, Netscape FastTrack Server, Netscape Collabra Server, Netscape Communicator) and service names are also trademarks of Netscape Communications Corporation, which may be registered in other countries.

Copyright © 1993-1999 Novell, Inc. All rights reserved. No part of this publication may be reproduced, photocopied, stored on a retrieval system, or transmitted without the express written consent of the publisher.

**U.S. Patent Nos. 5,157,663; 5,349,642; 5,455,932; 5,553,139; 5,553,143; 5,594,863; 5,608,903; 5,633,931; 5,652,854; 5,671,414; 5,677,851; 5,692,129.
U.S. and Foreign Patents Pending.**

**Novell, Inc.
122 East 1700 South
Provo, UT 84606
U.S.A.**

**Overview and Installation
January 1999
000-000000-000**

Contents

Welcome to Collabra Server

Finding the Information You Need	v
Using Online Help	v
Getting Help over the Web	vi
Features of the Collabra Server.	vi
Support for Standard Protocols	vii
Creation and Management of Discussion Groups.	vii
Searching Across Discussion Groups.	viii
Access Control	viii
Security	ix
Discussion Group Replication	ix

1 Installation

System Requirements.	1
Software Requirements	1
Hardware Requirements	2
Installing the Collabra Server	2
Installing LDAP	2

2 Configuring the Server

Determining Access Control and Security Requirements.	5
Managing Users and User Groups	6
Planning and Creating Discussion Groups	6
Planning Your Replication Sites.	6
Maintaining Your Server.	6
About Usenet Newsgroups	7

3 Getting Help

Novell Technical Support	9
------------------------------------	---

Index

Welcome to Collabra Server

Welcome to the Netscape® Collabra® Server™ for NetWare®. This guide introduces you to the Collabra Server, shows you how to install the server, and how to perform the most common tasks.

Finding the Information You Need

Using Online Help

Online Help is the primary source of information about the servers you will be using. Online Help describes the user interface for the Administration Server and Collabra Server and documents how to use the interface to configure the servers.

The servers are configured and managed using a browser, such as Netscape Communicator™. After installing the Netscape Collabra Server for NetWare and launching a browser to begin configuring the server, you will find a link to the online Help. To read the Help, click Help (in the top, right corner) on the Administration Server page.

The online Help contains two HTML guides:

- ◆ *Managing Netscape Servers*—Describes the Netscape Administration Server and covers basic concepts common to all Netscape servers.
- ◆ *Netscape Collabra Server for NetWare*—Contains information about administering the Collabra Server.

Context-sensitive Help can be accessed by clicking Help in the form for the specific action you are performing. The Help button appears at the bottom, right side of the screen.

Getting Help over the Web

If you are not able to find answers to your questions in the online documentation, you should look at the following tools available on the Novell® web site at

http://www.novell.com/products/netscape_servers/index.html

- ◆ Knowledgebase—Allows you to search Novell technical support documents, which contain solutions to previously encountered problems. The knowledgebase is maintained by Novell technical support engineers.
- ◆ File Finder—Provides a list of software patches, readme files, utilities, and updated files available for free download.
- ◆ Forums—Contain answers to many frequently asked questions and provide customers with an opportunity to submit their own technical support inquiries
- ◆ Site Assistant—Helps you find answers on how to use the Support Connection. Provides the most frequently asked questions to help you know what to look for on the web site.
- ◆ Electronic Incidents—Customers who have purchased a ten-incident pack may electronically submit questions or problems directly to our technical support team, with the assurance of a quick response. Using this electronic incident feature, customers can create, update, and check the status of support incidents. Visit our web site for more details about this feature.

Features of the Collabra Server

The Collabra Server provides the necessary features for enterprise discussion groups. These features include

- ◆ Support for standard protocols
- ◆ The ability to easily create and manage discussion groups
- ◆ The ability to search for information across multiple discussion groups

- ◆ The ability to specify access control at both the server level and at the discussion group level
- ◆ The ability to use SSL and client certificates that offer powerful security features
- ◆ The ability to replicate discussion groups with other news servers

Support for Standard Protocols

The Collabra Server supports the Network Collabra Transport Protocol (NNTP), which defines the mechanism for supporting discussions over TCP/IP networks, such as local intranets and the Internet.

Consequently, the Collabra Server provides a single infrastructure for communicating inside and outside the company. The server can be used to participate in Usenet discussions.

The NNTP protocol supports the following communications:

- ◆ NNTP-compliant clients (newsreaders) can connect to the Collabra Server to participate in discussion groups.
- ◆ NNTP-compliant servers can connect to the Collabra Server to send discussion groups.
- ◆ The Collabra server can connect to other NNTP-compliant servers to send discussion groups.

For directory services, the Collabra Server can connect to servers that support the Lightweight Directory Access Protocol (LDAP).

The Collabra Server can be part of a Simple Network Management Protocol (SNMP) network. SNMP is the protocol used to remotely monitor and manage IP devices across a network.

Creation and Management of Discussion Groups

You can easily create and manage discussion groups by using the discussion group management forms. These forms let you

- ◆ Create discussion groups

- ◆ View properties of discussion groups
- ◆ Specify access control for discussion groups
- ◆ Modify properties of discussion groups
- ◆ Remove discussion groups

Furthermore, these tasks are available to end users if you grant them the appropriate permissions. While end users manage discussion group content, you can focus more on managing the server.

Searching Across Discussion Groups

You can specify full-text indexing of discussion groups for searching purposes. End users can specify search profiles to more easily monitor and track discussions on a wide variety of topics across multiple discussion groups. Results of the search are stored in a “virtual” discussion group. The virtual discussion group is refreshed periodically with updated search results.

Access Control

Some discussion groups might be for private use only. For example, a discussion group that contains sensitive business information must be a private discussion group. Other discussion groups might be available to anyone with access to your server.

A discussion group can be one of the following:

- ◆ Private discussion groups—Accessed by a limited number of people. Private discussion groups use access control to determine who can read articles in and post articles to the discussion group.
- ◆ Public discussion groups—Available to anyone with access to your Collabra Server or to a news server that receives the discussion groups from your server. Public discussion groups don't use access control, so any user with access to your server can read and post to public discussion groups.

- ◆ Usenet newsgroups—Newsgroups that are part of the Usenet hierarchy. These newsgroups are sent all over the world. Your Collabra Server gets Usenet news from another news server.

The Collabra Server provides access control features that enable you to specify access control on the following:

- ◆ Your entire server
- ◆ Your entire server and on certain discussion groups that reside on your server
- ◆ Certain discussion groups that reside on your server

Access control features enable you to support both private and public discussion groups on the same Collabra Server.

Security

The Collabra Server uses a protocol called the Secure Sockets Layer (SSL) to ensure privacy when communicating with other SSL-enabled products. SSL provides authentication and encryption. Authentication verifies the identity of the client or server using a digital certificate. Encryption ensures that data cannot be deciphered if it is intercepted during transmission or if it is received by the wrong parties.

Discussion Group Replication

Articles are propagated from server to server through discussion group replication. A news server can accept articles, send articles, or both.

Discussion groups might be kept on several machines that send the discussion group articles to each other, for example, you could have servers in several different buildings that share discussion groups. This allows for fast response and high availability.

For Usenet particularly, articles are stored on thousands of computers instead of one computer.

As an administrator you can regulate access control to users in certain discussion groups. How you determine access control is influenced by which directory services you use. You can install Novell Directory Services® (NDS™), an LDAP server, or LDAP Services for NDS. All directory services must be installed and configured before you install your Netscape® Collabra® Server™ for NetWare®. For more information about configuring access control once you have installed the Collabra Server, see Chapter 2, “Configuring the Server.”

System Requirements

The Collabra Server requires certain software and hardware before it is installed in order for it to run according to specifications.

Software Requirements

The Collabra Server is a series of NetWare Loadable Modules™ (NLM™s) designed to run on NetWare network operating systems. The following are the software requirements running the Collabra Server:

- ◆ NetWare 4.11 or later used with Service Pack 5 or later. The Collabra Server is not processor or memory intensive and generally will run on most NetWare configurations without requiring additional memory.
- ◆ NDS.
- ◆ If you want to access an LDAP directory on your server, it must be installed prior to installing the Collabra Server.

Hardware Requirements

Since the Collabra Server is scalable the recommended use of memory and hard drive space varies according to your needs.

- ◆ 128 MB RAM recommended if using full Usenet feed (20,000 plus newsgroups)
- ◆ 10 G hard drive recommended if using full Usenet feed (20,000 plus newsgroups)

Installing the Collabra Server

To install the Collabra Server, run SETUP.EXE executable from the client.

When you install the Collabra Server, you automatically install the Administration Server. You use the Administration Server to configure all of your Netscape Servers for NetWare. For information about the Administration Server, see *Managing Netscape Servers*.

If you already have an Administration Server installed from another Netscape server, such as the Messaging Server™ or Enterprise Server™, the Collabra Server installation will only install the components applicable to the Collabra Server and will not alter existing files.

Installing LDAP

LDAP Services for NDS is a NetWare server application (nldap.nlm) that allows LDAP clients to access information stored in NDS. If you have chosen to run the Collabra Server on LDAP Services for NDS, LDAP must be installed according to NetWare 5 installation and configuration instructions before you can install the Collabra Server. Refer to NetWare 5 Overview and Installation for further information.

As you install the Collabra Server, you will be asked a series of questions you will need to answer in order to successfully install Collabra for LDAP.

1. Click OK when asked if you want to use LDAP Directory Services.

2. Type the server name.

This name may be pre-existing from other admin installs, or you may choose a new one.

3. Type the port number for Collabra Server.

4. Type the Base Directory name.

This directory name was specified when you installed LDAP. It is the name of the directory off which you will be working on the Collabra Server.

5. Click OK.

6. Type the username and passwords for the Collabra Server.

7. Click OK.

Follow the remaining installation instructions.

Determining Access Control and Security Requirements

You must first decide what type of access control your server requires by asking the following questions:

- ◆ What type of information will be stored on the server?
- ◆ How critical is the privacy of this information to your organization?
- ◆ Who requires access to this information? Who does not?
- ◆ Will some information be private while other information will be public?
- ◆ Will you be sharing information with people outside of your company or organization?

Your answers to these questions determine your access control and security requirements.

By default, when you first install your server, access control is off and any user can read and post to your server. If you require other access control, you must modify the access control settings. After you decide what type of access control your server requires, you can determine what tasks you must perform to provide the appropriate level of access control.

If your network communicates with networks outside of your company, depending on the sensitivity of the information you maintain, you might need to consider security requirements, such as authentication, encryption, and firewalls.

Managing Users and User Groups

Along with access control information, the directory service you choose stores information about users and user groups, including user IDs and passwords. You specify user IDs when creating access control rules.

You manage users and user groups through the Administration Server interface. For more information, see *Managing Netscape Servers*.

Planning and Creating Discussion Groups

After you have installed the Collabra® Server™, you can create the discussion groups that your business requires. First you must decide what discussion groups you want your Collabra Server to provide to your users. You might create the initial discussion groups on your server, then delegate management tasks to end users who can create further discussion groups.

Planning Your Replication Sites

Before you configure your server for discussion group replication, you need to ask yourself the following questions:

- ◆ What discussion groups you want to replicate with other sites?
Your answer depends on the content you want to provide your users.
- ◆ Are your replication sites internal to your organization or will you also be replicating discussion groups with sites external to your organization?

After you've decided what discussion groups you want to provide and who your replication sites will be, you must contact the administrators of any remote sites to set up the replication.

Maintaining Your Server

In general, your server will maintain itself. Each day, the server automatically runs the news.daily program, which performs necessary maintenance tasks and writes information to a set of log files.

If necessary, it is possible to tune your server to improve performance or to correct an error situation. See the Collara Server online help for more information.

About Usenet Newsgroups

The public collection of newsgroups is usually referred to as Usenet. These newsgroups are sent around the world, and their articles are stored on many servers. Note that not all news servers receive a full news feed; that is, they don't give you access to all Usenet newsgroups.

If you're new to the Internet or Usenet newsgroups, you might want to buy a book that lists and describes all the Usenet newsgroups. The list is very long. Or you can subscribe to one of the newsgroups that publishes lists (such as `news.announce.newgroups` and `news.announce.newusers`).

Usenet addresses look similar to Internet addresses, but the most general category appears first instead of last (for example, `rec.pets.cats` is about cats, but the general category is recreational).

Usenet newsgroups are organized into the following groups:

- ◆ The alt (alternative) group contains less formal topics.
- ◆ The comp (computer) group contains topics about computers.
- ◆ The misc (miscellaneous) group contains various topics.
- ◆ The news group contains topics about newsgroups.
- ◆ The rec (recreational) group contains topics about recreational activities (arts, hobbies, sports, and so on).
- ◆ The sci (science) group contains topics on science (biology, chemistry, physics, math).
- ◆ The soc (social) group contains topics on social issues.
- ◆ The talk group contains topics that are hotly debated (politics, religion).

When creating your own local discussion groups on a news server that also contains Usenet newsgroups, you shouldn't use any Usenet group names, but you should still keep naming the convention of general to specific. For example, if your company is called Royal, you might create discussion groups, such as

- ◆ royal.hr.benefits
- ◆ royal.hr.bulletins
- ◆ royal.pr.pressrelease
- ◆ royal.engr.specs
- ◆ royal.mktg.pricing

In these examples, the company name is always first, followed by a department name, and finally a topic name.

This chapter provides contact information for the Novell® Technical Support team.

Novell Technical Support

Novell offers several technical support options. Novell encourages customers to take the following steps in obtaining technical support:

1. Contact Novell Technical Support directly. This is a fee-based service. To purchase support on a pay-as-you-go basis, call 1-800-NETWARE or 1-800-429-5588 in the Americas, +49-211-5277-744 in Europe and the Middle East, and +61-2-925-3133 in Asia Pacific.
2. Use NetWire®, Novell's technical information forum that gives you access to the most up-to-date technical information about Novell products and technologies. When logged on to NetWire, you can search for and download information or troubleshoot your questions with help from other experienced users. Novell system operators (Sysops) monitor the CompuServe® forums and have direct access to Novell support engineers when necessary. The only fee for NetWire is the standard connect charge of the online service you use.

NetWire includes

- ◆ Downloadable files, patches, and drives
- ◆ Thousands of Technical Information Documents (TIDs)
- ◆ Product documentation
- ◆ NetWare® Application Notes™
- ◆ GroupWare Professional's Guide

- ◆ Novell Labs certification bulletins.

You can visit NetWire at one of the following locations:

World Wide Web	http://netwire.novell.com or http://netwire.de
FTP	ftp://ftp.novell.com or ftp://ftp.novell.de
Gopher	gopher://novell.com or gopher://gopher.novell.de
CompuServe	Enter GO NETWIRE at the CompuServe prompt

3. Use the Network Support Encyclopedia Professional Volume™ (NSEPro). The Network Support Encyclopedia is knowledge-based Novell technical information on CD-ROM. Updated and delivered twelve times a year, this extensive collection provides you with a convenient, hands-on information source and is accessible through Windows*, DOS, and Macintosh*.

The NSEPro includes

- ◆ Downloadable files, patches, and drivers
- ◆ Thousands of Technical Information Documents (TIDs)
- ◆ Product documentation
- ◆ Novell Application Notes
- ◆ GroupWare Professional's Guide
- ◆ Novell Labs certification bulletins

To order your NSEPro annual subscription directly from Novell, call 1-800-377-4136 in the United States and Canada.

The NSEPro is also available from any Novell Authorized Reseller representative. For more information, call 1-800-828-3362.

Index

A

access control viii, 5

C

configuration, server 5
creating discussion groups vii

D

discussion groups
 creating vii, 6
 managing vii, 6
 planning 6
 private viii
 public viii
 replication ix
 searching viii

F

features, server vi
file finder vi
forums vi

H

hardware requirements 2

help 9
 online v
 website vi

I

installation
 Collabra Server 2
 LDAP 2
internet help vi

K

knowledgebase vi

L

LDAP, installation 2

M

managing discussion groups vii

N

NetWire 9
 locations 10
Network Collabra Transport Protocol
 (NNTP) vii

Network Support Encyclopedia Professional
Volume (NSEPro) 10

news.daily 6

newsgroups, Usenet ix, 7

NNTP vii

Novell support

authorized reseller representative 10

file finder vi

forums vi

knowledgebase vi

site assistant vi

technical 9

NSEPro 10

O

online help v

P

private discussion groups viii

public discussion groups viii

R

replication ix, 6

requirements

hardware 2

security 5

software 1

system 1

S

search viii

security

access control viii

requirements 5

server ix

server

configuration 5

features vi

hardware requirements 2

installation 2

maintaining 6

security viii, ix

software requirements 1

system requirements 1

site assistant vi

software requirements 1

system requirements 1

T

technical support 9

U

Usenet

categories 7

naming discussion groups 8

newsgroups ix, 7

users, managing 6

W

web help vi