ConnectNow
User's Guide

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Chapter 1

Introduction

Welcome

Congratulations on your purchase of ConnectNow connectivity software. We at NOW Corporation are glad to have you as our customer. We are confident that you will be pleased with ConnectNow.

ConnectNow enables you to access an IBM AS/400 from your NeXTSTEP terminal with the same functionality as an IBM 3477 terminal.

Although in it's first release, ConnectNow has already proven to be a stable product with rich functionality. This is because we do not solely develop software for our customers, but also use it ourselves extensively.

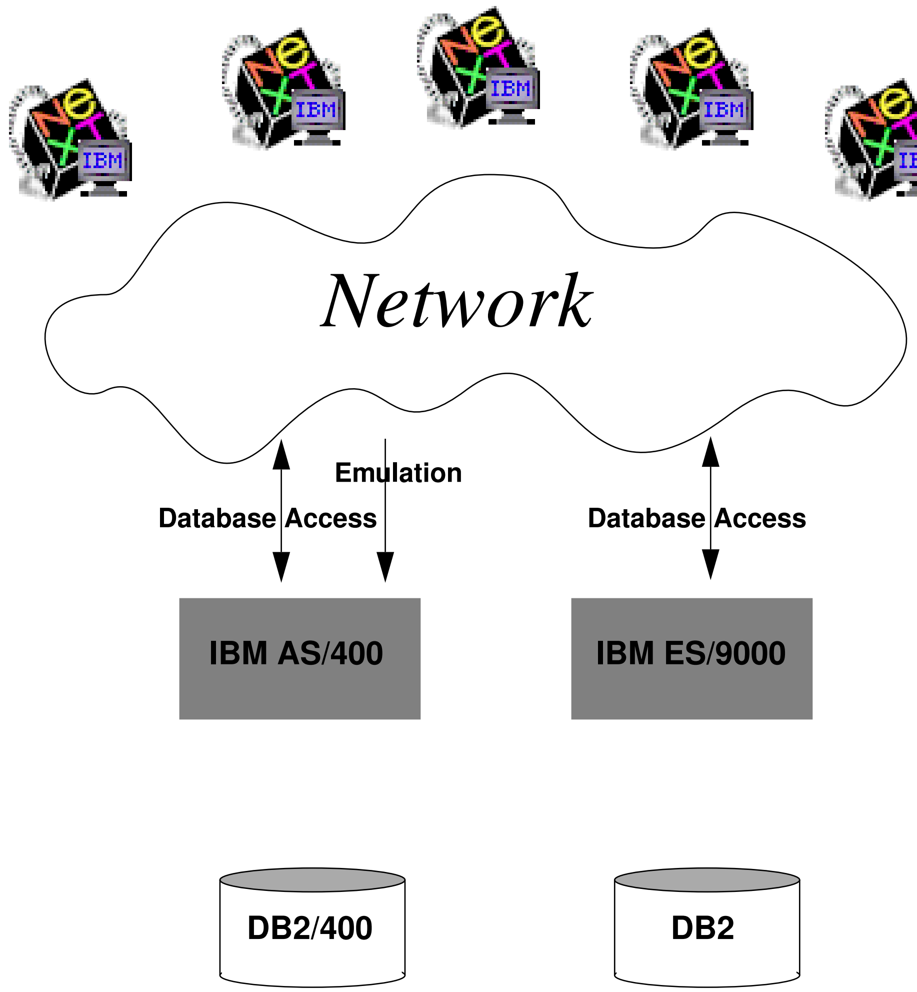
We are committed to our users, because we think that they are the key for us to provide superior software. Although we have spend all our efforts to provide a comprehensive solution that fulfills the needs of our users, we would like to request you to give us a feedback. This enables us to provide the kind of applications that you, the user, would like to see from us.

Chapter 1 *Introduction*

The IBM Connectivity

In near future look out for our Enterprise Objects Framework Adapter that uses Distributed Relational Database Access (DRDA) to access data in the IBM world. By providing these tools, we offer you a migration path to real client/server computing:

- Work with your existing applications on your host by using a PC or workstation with NEXTSTEP and our ConnectNow terminal emulation.
- Develop sophisticated client/server applications using NEXTSTEP, the industry's leading object-oriented environment for building advanced client/server applications, and our Enterprise Objects Framework Adapter.



Chapter

2

Getting Started

Before you start working with ConnectNow, read this chapter. It describes the package contents, how to install and personalize your copy of ConnectNow, how to start the application, and what to do if you want assistance.

Recommended System Configuration

- ConnectNow 1.0 runs on standard NEXTSTEP configurations for:
  - NeXT computers
  - HP PA-RISC series 700 workstations
  - An 80486-class or higher CPU PC computer with an Intel processor
  - SUN SPARC workstations
- NEXTSTEP™ Release 3.2 or Release 3.3 distribution software
- 4MB of free space on your hard disk
- 16MB of RAM
- A floppy disk drive

Package Contents

Check to see that the package contents are complete. If any of the following items is missing or damaged, contact your reseller.

- Program disk.
- User's Manual

Chapter 2 Getting Started

Get your License String for ConnectNow

To receive a license string for the computer on which you want to use ConnectNow, select License on the Info menu. Click Show License Agreement, fill out the user registration card and mail, fax or e-mail it to NOW GmbH.

After you mail your Registration Card, you are a licensed ConnectNow owner, with all rights and privileges. As a registered customer, this entitles you to 30 days of free technical support.

To continue receiving notices of ConnectNow updates and new product information when you move to a new address, send a change-of-address card to NOW GmbH.

Backing up your master disks

Before you install or upgrade ConnectNow, lock the original ConnectNow disks and make backup copies of them. Locking these disks protects them for accidental erasure. When you finish, store the original disks in a safe place.

Installing or upgrading ConnectNow

To install or upgrade ConnectNow:

1 **If you received your copy of ConnectNow electronically, continue with step 3.**

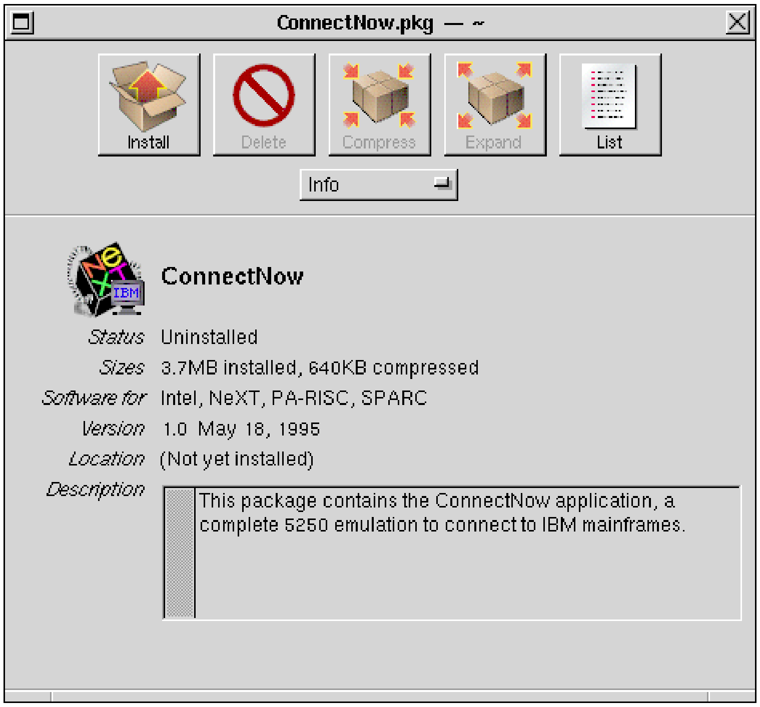
2 **Insert the ConnectNow Application Disk 1 into the floppy drive.**

3 **In the File Viewer, find ConnectNow Application Disk 1 and click it.**

If you're installing on a PC or HP PA-RISC workstation, you'll have to choose Check for Disks from NEXTSTEP's Workspace/Disk menu before you can find the disk in the File Viewer.

4 **In the File Viewer, find ConnectNow.pkg and double-click it to launch the installer application.**

5 **Double-click the ConnectNow.pkg icon to launch the installer application.**



ConnectNow

Status Uninstalled
Sizes 3.7MB installed, 640KB compressed
Software for Intel, NeXT, PA-RISC, SPARC
Version 1.0 May 18, 1995
Location (Not yet installed)
Description This package contains the ConnectNow application, a complete 5250 emulation to connect to IBM mainframes.

6 **Click Install in the upper-left corner.**

The Install Package dialog panel appears. (Some folder names in the text box may be different on your computer.)

Set how you want to install the contents of the ConnectNow package.

Install software in:
/LocalApps

Install software for:

These computers
HP-PA RISC
✓ Intel
NeXT

These languages
✓ English

7 **Type the folder name in which to install ConnectNow 1.0 on NEXTSTEP.**

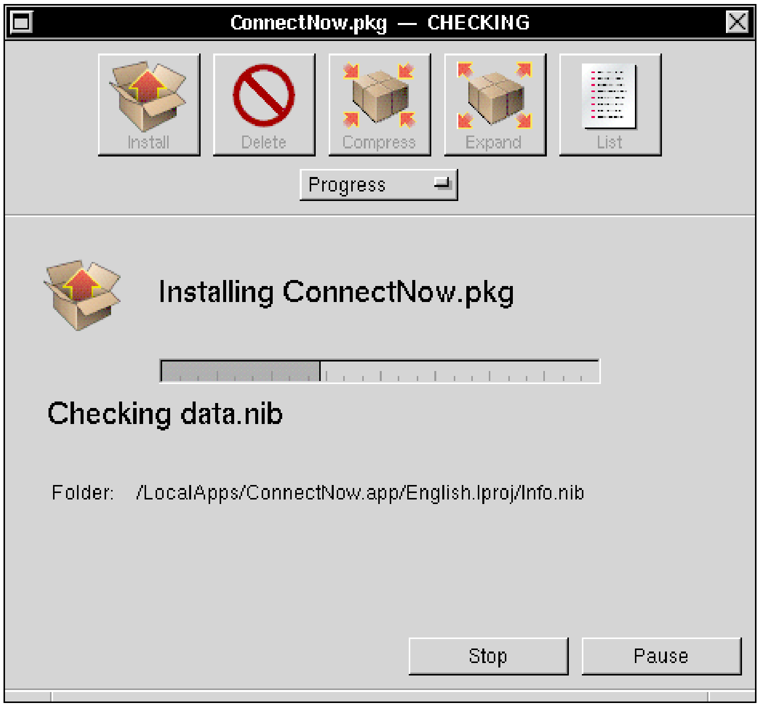
You can also click the Set button to see a list of folders and select the destination from that list.

Choose either the *Apps* folder in your home folder or the *LocalApps* folder in the *root* folder.

8 **Select the platform to install ConnectNow 1.0.**

9 **Click Install to start the installation.**

The Installing ConnectNow.pkg dialog panel displays the progress report while ConnectNow is being installed in the folder you selected.



Installing ConnectNow.pkg

Checking data.nib

Folder: /LocalApps/ConnectNow.app/English.lproj/Info.nib

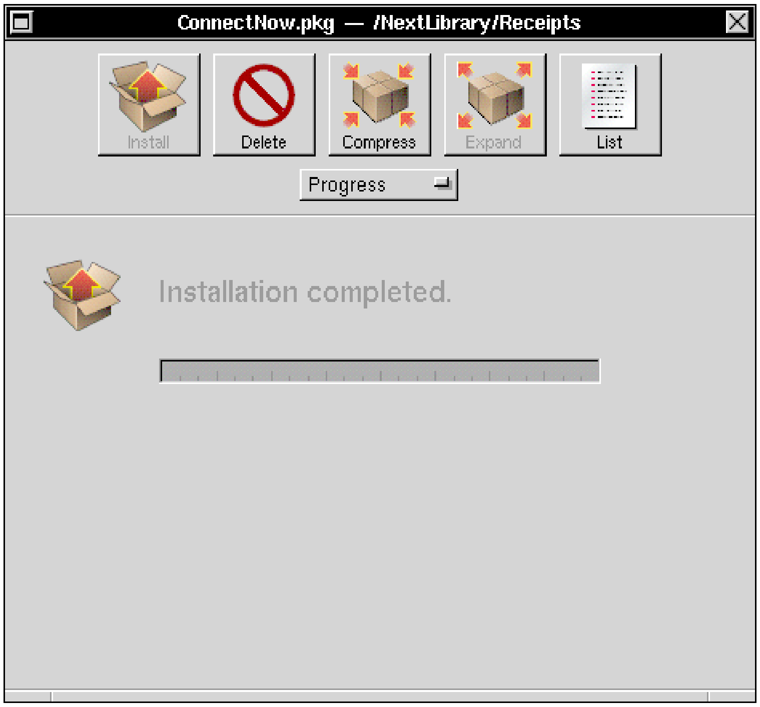
The installer prompts you to insert the required disks.

If a problem occurs during installation, you can:

- Click Pause to interrupt the installation temporarily. Click Resume to continue.
- Click Stop to stop the installation.

- Press the Progress button (located below the row of Installer buttons) to display the Progress pop-up menu. Choose Info to view status messages or Log to view messages about Installer activity.

ConnectNow has been installed when you see the message “Installation completed”.



Installation completed.

10 Remove the ConnectNow Application Disk from the drive.

If you’re installing on a PC or HP PA-RISC workstation, choose Eject from NEXTSTEP’s Workspace/Disk menu. When you see the message ”You can safely remove the floppy disk now” you can remove the ConnectNow Application Disk from the drive.

11 Choose Quit from the Installer menu.

Starting ConnectNow

To start ConnectNow and enter your licensing information:

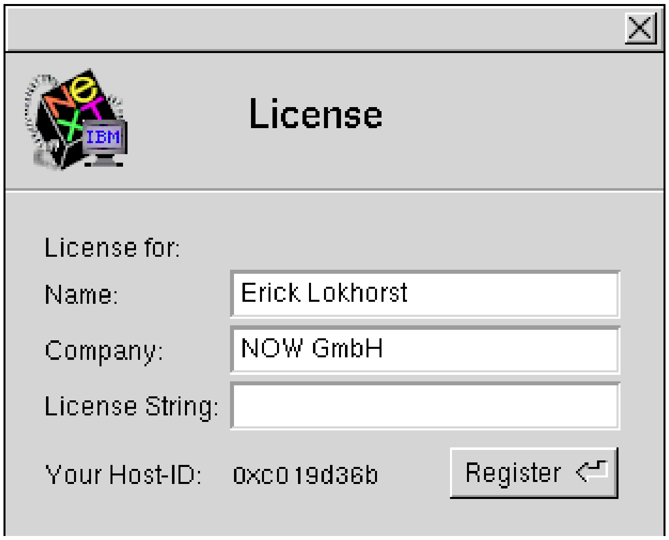
1 Double-click the ConnectNow icon.

The main ConnectNow menu appears.

Normally you will find the ConnectNow icon in the *Apps* folder in your home folder, or in the *LocalApps* folder.

2 **Choose License Panel from the Info menu.**

The License Panel appears.



License

License for:

Name: Erick Lokhorst

Company: NOW GmbH

License String:

Your Host-ID: 0xc019d36b

3 **Type your name, company and license string.**

4 **Click Register.**

Defining Hosts

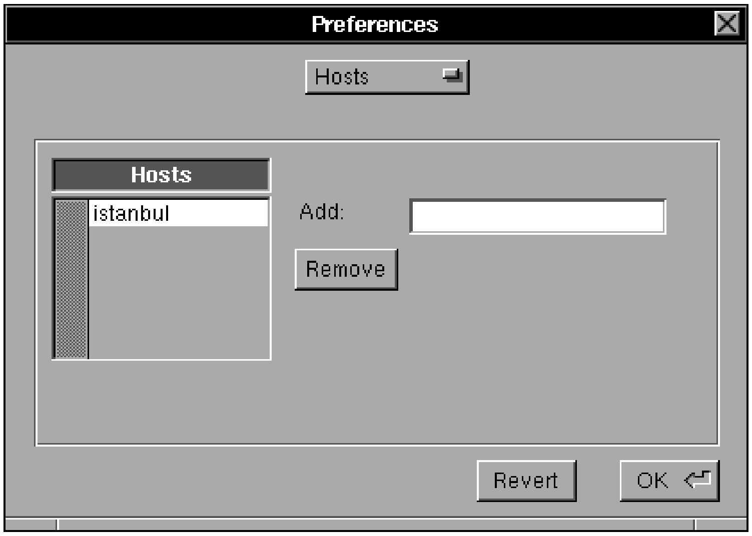
Before you can start working with the emulation, you have to define hosts in order to be able to connect to them.

To define a host:

1 **Choose Preferences from the Info menu.**

The Preferences panel appears.

Choose Host from the Preferences pop-up menu.



Type the name of the host in the first column of the host browser, press enter. Repeat this for each host.

2 **Click OK.**

The hosts you added are now stored in the defaults in your home directory.

Deleting Hosts

To remove a host:

1 **Select the host that you want to remove from the Hosts scroll list and click Remove.**

Repeat this step for each host you want to remove.

2 **Click Remove.**

The following panel warns you for removing the host. Click Revert if you want to undo your changes.

Removing Hosts

Are you sure you want to remove this Host?

3 **Click OK.**

Chapter

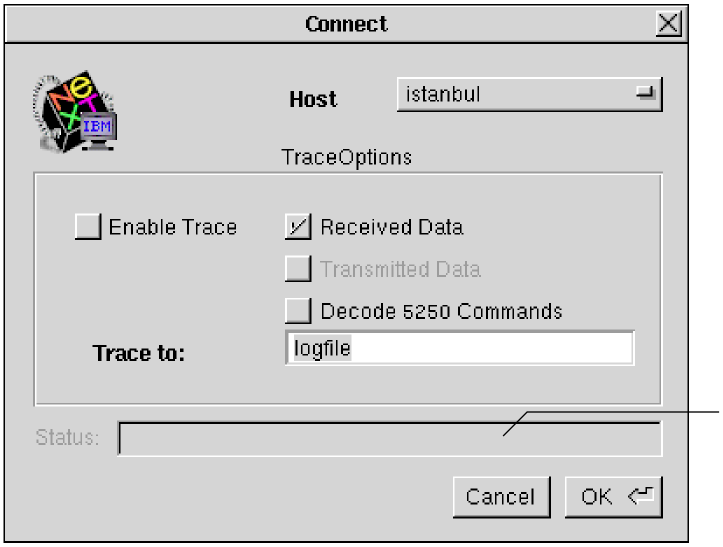
3

Using Sessions

Starting a New Session

To start a session:

1 **Click New on the Session menu.**



Host istanbul

☐ Enable Trace

☑ Received Data

☐ Transmitted Data

☐ Decode 5250 Commands

Trace to: logfile

While connecting look for messages here.

Choose the host you want to connect to from the Hosts pop-up menu.

2 **Select options for trace.**

- Check Enable Trace to write 5250-datastream data to a logfile.
- Check the type of data you want to be traced (Received Data or Decoded 5250 Commands). Transmitted Data is disabled for security reasons.

Enter the name for the logfile.

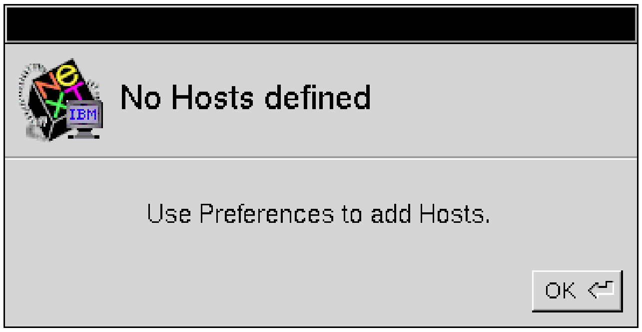
3 **Click OK.**

The Status line shows if the connection is being established.

You can now start working with the emulation.

4 **No hosts defined**

If the following panel appears:



No Hosts defined

Use Preferences to add Hosts.

- Define the host(s) on the Host panel (see *Defining Hosts* in chapter *Getting Started*).

5 **Connection failed.**

If the following panel appears:

Connection failed

Socket could not connect.

- Check all cables that connect your computer with the network.
- Check the name of the host. Make any changes necessary on the Host panel (see *Defining Hosts* in chapter *Getting Started*).
- Check the configuration in the HostManager.app.
- Check the configuration on your host.

Defining pre-defined sessions

You can save session variables and use these again by defining pre-defined session. The following attributes are saved with the session:

- window position
- font size for 80x24 and 132x27 screens
- colors

To define a pre-defined session:

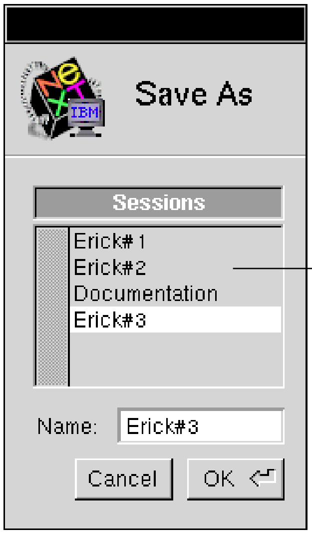
1 **Open a new session.**

See *Starting a New Session* earlier in this chapter on how to open a new session.

2 **Change attributes.**

Change the position of the session window, the colors of the session or the font size.

3 **Choose Save as from the Session menu.**



Already defined sessions are listed here.

Enter the name for the session.

4 **Press Return.**

See the next paragraph on how to use your pre-defined sessions.

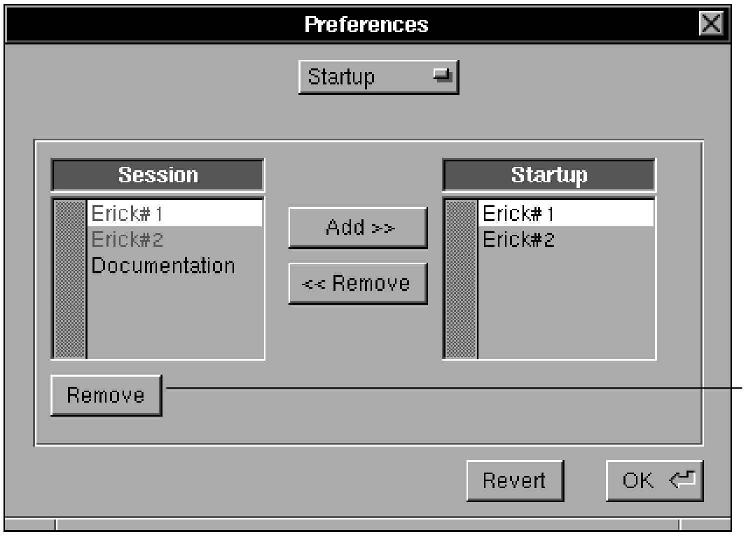
Deleting pre-defined sessions

To delete a pre-defined session:

1 **Choose Preferences from the Info menu.**

The Preferences panel appears.

2 Choose Start-up from the Preferences pop-up menu.

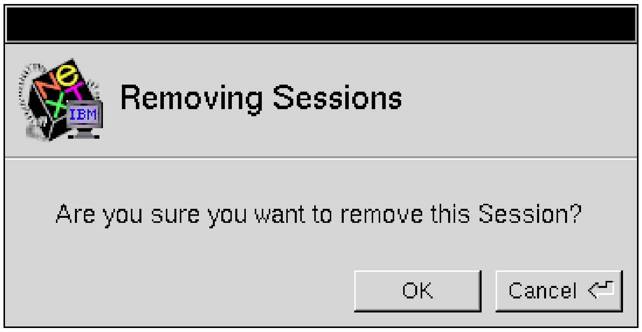


Click here to delete a pre-defined session. This option can not be undone.

3 Select the session to be deleted from the Session scroll list.

4 Click Remove.

The following panel warns you for removing the session. Click Revert to undo your changes.



Are you sure you want to remove this Session?

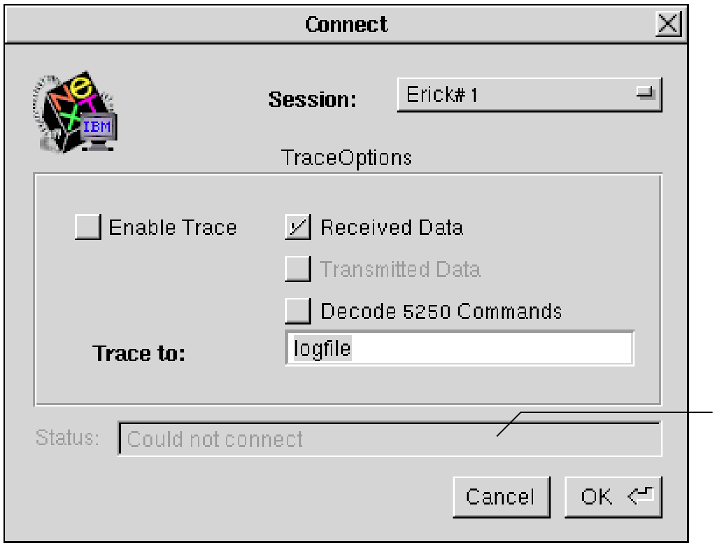
5 Click OK.

Starting pre-defined sessions

You can start pre-defined sessions on request, or you can auto-launch them whenever you start ConnectNow.

To start a pre-defined session on request:

1 **Choose Open on the Session menu.**



Connect

Session: Erick# 1

TraceOptions

☐ Enable Trace

☑ Received Data

☐ Transmitted Data

☐ Decode 5250 Commands

Trace to: logfile

Status: Could not connect

While connecting look for messages here.

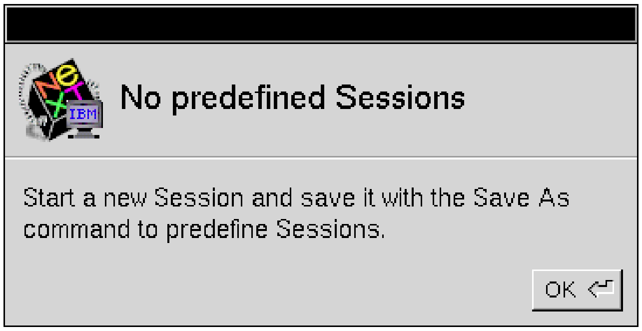
2 **Choose the session from the session pop-up menu.**

3 **Select options for trace.**

- Check Enable Trace to write 5250-datastream data to a logfile.
- Check the type of data you want to be traced (Received Data or Decoded 5250 Commands). Transmitted Data is disabled for security reasons.
- Enter the name for the logfile.

4 **Click OK.**

If you have not defined any pre-defined sessions yet, you will receive the following message when trying to open a session:



No predefined Sessions

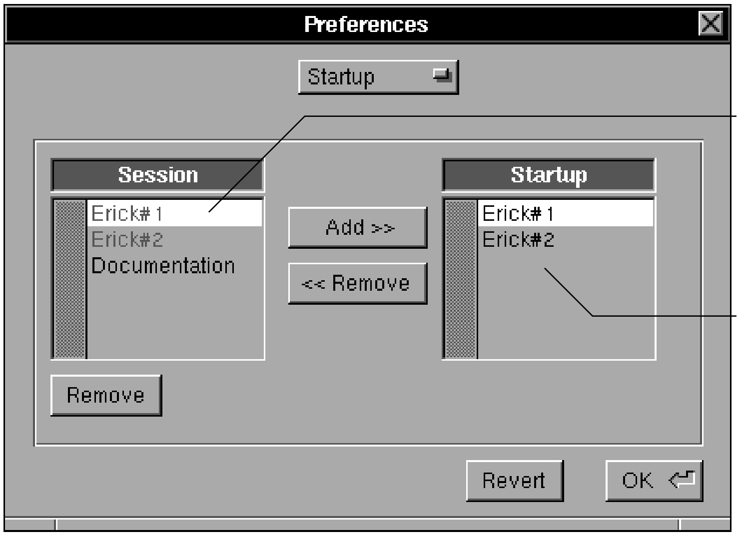
Start a new Session and save it with the Save As command to predefine Sessions.

To auto-launch pre-defined sessions:

1 **Choose Preferences from the Info menu.**

The Preferences panel appears.

2 Choose Start-up from the Preferences pop-up menu.



Sessions that are not started automatically are listed here.

Sessions that will be started automatically are listed here.

3 Select the session to be started automatically from the Session scroll list and click Add.

Repeat this step for each session you want to be started automatically.

4 Click OK.

To prevent a session from being started automatically:

1 Select the session that has not to be started automatically from the Start-up scroll list and click Remove.

Repeat this step for each session you want not to be started automatically.

2 Click OK.

Working with Sessions

ConnectNow opens a session window when the connection has been established.

```
MAIN                           AS/400 Main Menu
                                                           System:   BCIB50
Select one of the following:

     1. User tasks
     2. Office tasks
     3. General system tasks
     4. Files, libraries, and folders
     5. Programming
     6. Communications
     7. Define or change the system
     8. Problem handling
     9. Display a menu
    10. Information Assistant options
    11. PC Support tasks

    90. Sign off

Selection or command
===> █

F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel   F13=Information Assistant
F23=Set initial menu
(C) COPYRIGHT IBM CORP. 1980, 1993.
```

Status bar

The status bar shows:

- The status of the emulation:

Unlocked	The keyboard is released.
Locked	The Keyboard is locked.
Pre-Help	The emulation entered Pre-Help state due to a typing error. Press Reset to leave this state.
Sys_Req	The user entered System Request mode. Type an option and press Enter or press Reset.

- The keyboard mode:

Overwrite	The keyboard is in overwrite mode.
Insert	The keyboard is in insert mode.

- The number of keystrokes in the keyboard buffer.
- The column and line number of the current cursor position.

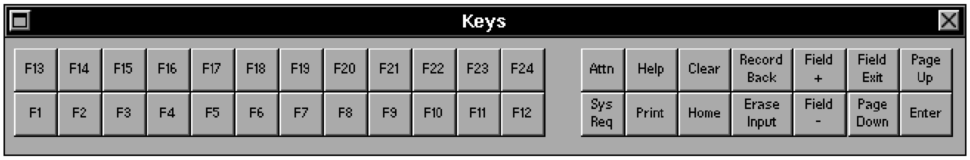
Using Special Keys

Instead of using the keyboard, you can also activate the Special Keys Panel that allows you to select the special key with the mouse.

To use the Special Key Panel:

1 **Choose Special Keys from the Tools menu**

The Special Keys Panel appears.



2 **Continue working with your session.**

3 **Click the special key on the Special Key Panel whenever needed.**

The key you clicked will be executed, and control will return to your session.

Chapter 4

Customizing ConnectNow

Setting Pointsize

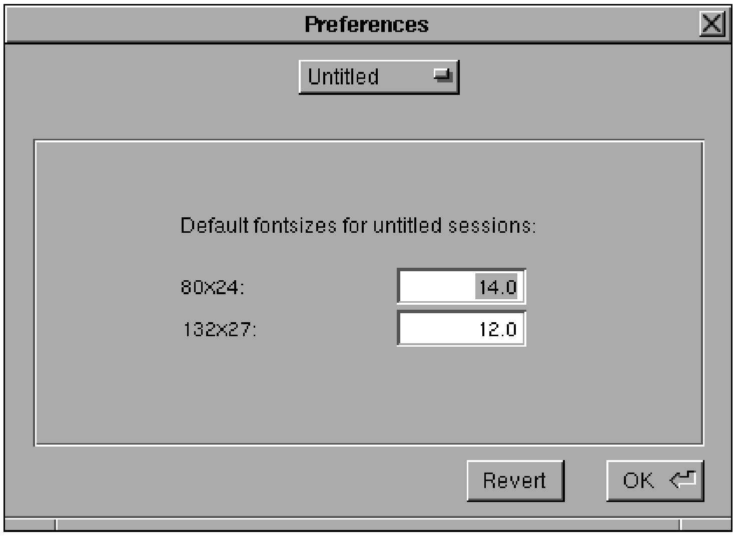
You change the size of a session window by changing the character's pointsize. You can change the default Pointsize for 80x24 and 132x27 displays used with untiteled sessions as well as the pointsize for eache pre-defined session.

To set the pointsize used with untitled sessions:

1 **Choose *Preferences* from the *Info* menu.**

The Preferences panel appears.

2 **Choose *Untitled* from the *Preferences* pop-up menu.**



Default fontsizes for untitled sessions:

80x24: 14.0

132x27: 12.0

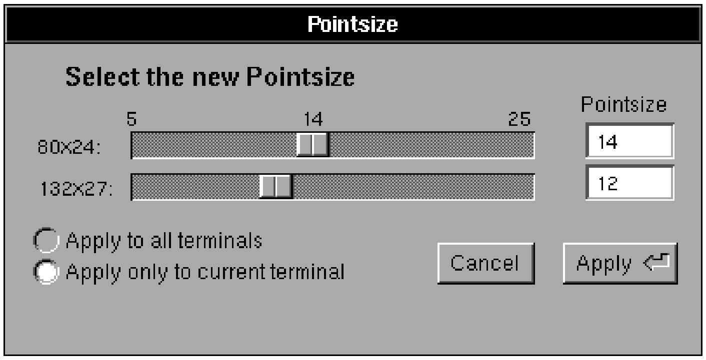
3 **Set the pointsize.**

Set the pointsize for each display size.

4 Click OK.

To set a different pointsize for a session:

1 Select Fontsize from the Tools menu.



Pointsize

80x24: 14

132x27: 12

○ Apply to all terminals

○ Apply only to current terminal

2 Set the pointsize.

Pull the slider or use the field at the right of the slider to set the pointsize for each display size.

3 Choose the extend of the change.

Click *Apply to All Terminals* to apply this change to all active sessions, click *Apply only to current* Terminal to apply this change only to the current session.

4 Click Apply.

5 Apply this change to pre-defined sessions.

Make the pre-defined session, for which you want to save the new settings, the active window. Choose *Save Settings* from the *Session* menu.

Changing Colors and Color-modes

You can set the color mode of a session to be either colored, black-on-white or white-on-black. This setting can be set for each session individually.

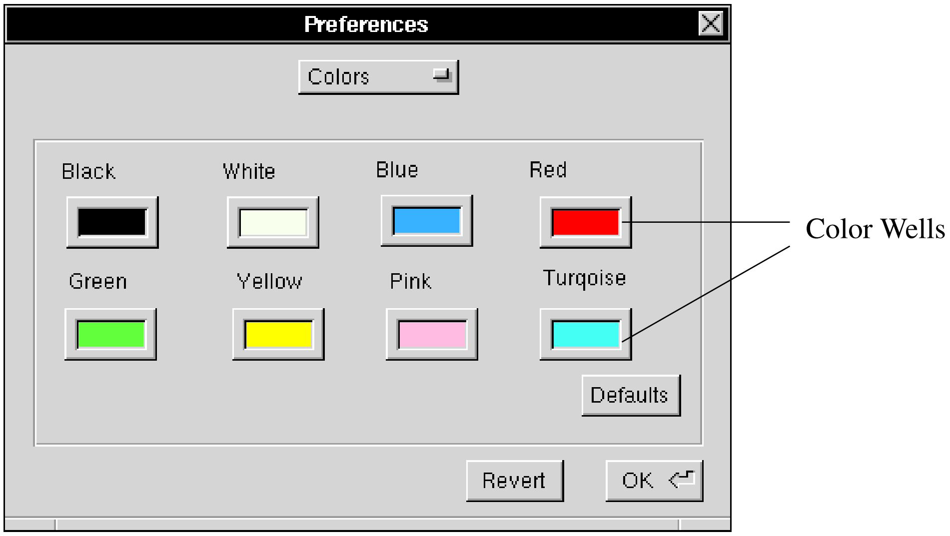
The colors used for colored sessions can be also changed. The colors you select apply to all colored sessions.

To select the colors used for colored sessions:

1 Choose *Preferences* from the *Info* menu.

The Preferences panel appears.

2 Choose *Colors* from the *Preferences* pop-up menu.



3 Click the mouse on the edge of the color well associated with the color you want to change.

The Color panel is displayed.

4 Select the color by using the Color panel.

See your NEXTSTEP User's Guide on how to use the Color panel.

5 Drag the selected color from the color well on the Color panel to the color well on the Preferences panel.

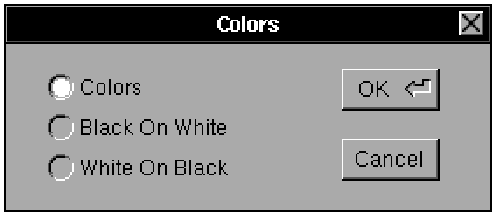
6 Repeat step 4 and 5 for each color to be changed.

7 Press Defaults to reset the colors to factory defaults.

8 Click OK.

To choose the color mode to be used:

1 Select *Colors* from the *Tools* menu.



2 Choose either Colors, Black on White or White on Black.

3 Click OK.

4 Apply this change to pre-defined sessions.

Make the pre-defined session, for which you want to save the new settings, the active window. Choose *Save Settings* from the *Session* menu.

Map Special Keys

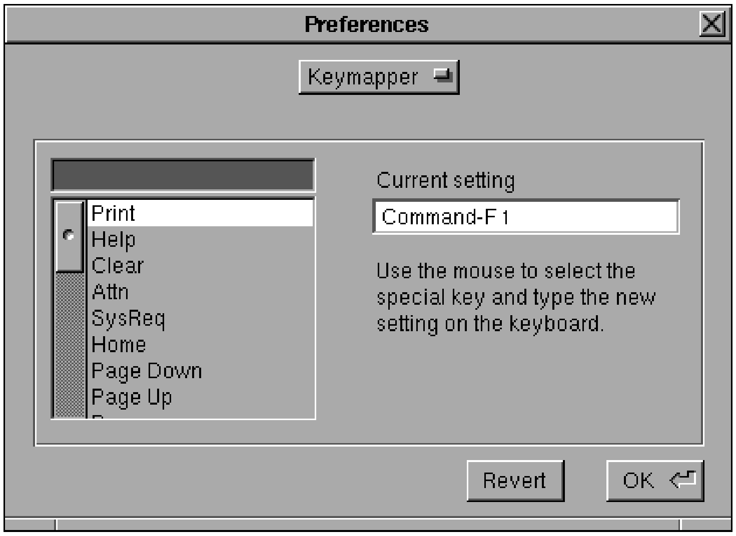
You can change the mapping of special keys by using the keyboard mapper. The mapping of keys applies to all sessions.

To change your keyboard mapping:

1. **Choose *Preferences* from the *Info* menu.**

   The Preferences panel appears.

2. **Choose *Keymapper* from the *Preferences* pop-up menu.**



Current setting

Command-F 1

Use the mouse to select the special key and type the new setting on the keyboard.

3. **Select the special key from the scroll list.**

   Use the slider next to the scroll list to find the special key. Click the special key in the scroll list. The field at the right of the scroll list shows the current setting for the key.

4. **Press a key or key combination.**

   Press a key likeTAB or a key combination like ALT+A. The field Current Setting shows your selection. Do not use the Function Keys alone or in combination with the Shift key. You can use however combinations with Command or Control.

5. **Repeat step 2 and 3 for each special key you want to map differently to your keyboard.**

6. **Click OK.**

   This saves your changes. If you are not sure about the changes you've made, click Revert. If you click Revert, none of your changes will be saved.

Generic Settings

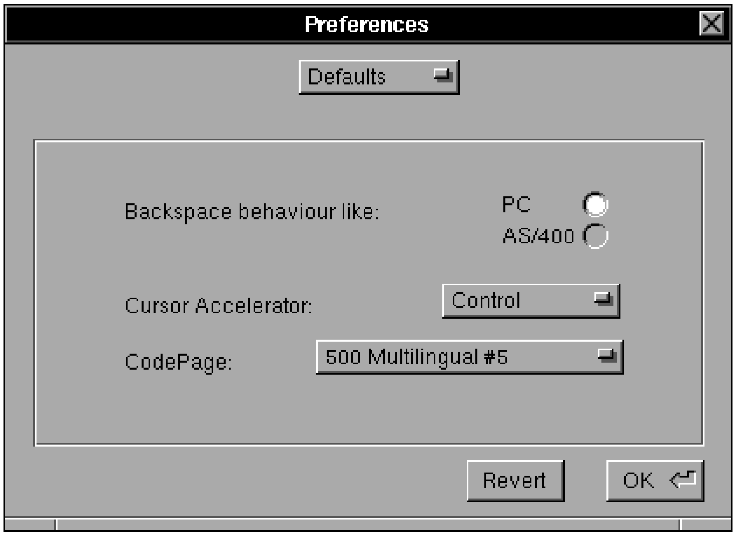
With this option you can set the behaviour of the backspace key, the key to be used for the cursor accelerator, and the code page to be used.

To change the generic sessions:

1 **Choose Preferences from the Info menu.**

The Preferences panel appears.

2 **Choose Defaults from the Preferences pop-up menu.**



Backspace behaviour like: PC ○ AS/400 ○

Cursor Accelerator: Control

CodePage: 500 Multilingual #5

3 **Select the behavior of the backspace key.**

- PC-like behavior deletes the current character and moves the cursor back. The cursor remains within the field.
- AS/400-like behavior moves the cursor back with no erasure of characters. If the cursor is at the beginning of a field, it moves to the last position of the previous field.

4 **Choose the control key for the cursor accelerator.**

By pressing one of the cursor movement keys, while holding the accelerator control key, the cursor moves with triple speed.

5 **Choose the code page from the Code Page pop-up menu.**

6 **Click OK.**

This saves your changes. If you are not sure about the changes you've made, click Revert. If you click Revert, none of your changes will be saved.