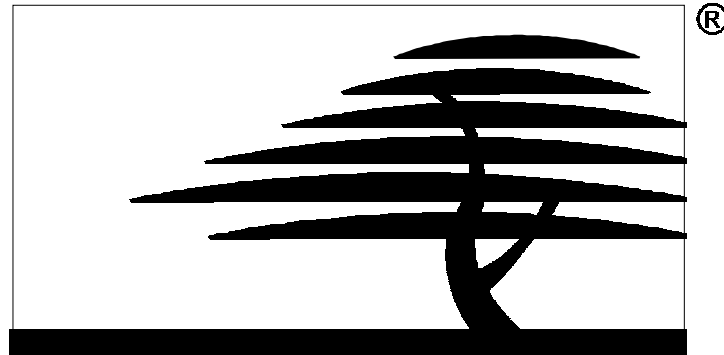




SCO

SCO Vision2K™ Administration

Transparency Masters

Course Release: 2.0

For Software: SCO Vision2K

SCO VisionFS Installation

```

Add Application: VisionFS3
Installation type = reinstall 3.00.917
Replace existing profile? = no

License mode = Fully licensed using UnixWare 7 licensing
Keep VisionFS Administrators? = yes (root)
Keep server names? = yes (agape)

You are using VisionFS passwords.

WARNING: VisionFS will NOT start after installation,
         until initial passwords are setup.

You should run the command:
    /usr/vision/bin/visionfs password --wizard

to setup passwords, and then start VisionFS with
    /usr/vision/bin/visionfs start

Are these settings OK?
  Y - Yes, install using these settings
  N - No, tell me more about the options and let me change the settings
  Q - Quit now

OK to use these settings? [Y] ☐
```

Starting SCO VisionFS

```
# /usr/vision/bin/visionfs start
```

```
Starting SCO VisionFS 3.0 from /usr/vision/visionfs...
```

```
The server is running in fully enabled mode.
```

```
2000/02/02 17:07:18.830    3632    server/process/start
```

```
SCO VisionFS(3.0)
```

```
# /usr/vision/bin/visionfs status
```

```
SCO VisionFS 3.00.917 (Using UnixWare 7 licensing)
```

```
Server names: agape
```

```
Authentication: VisionFS (encrypted) passwords
```

```
VisionFS Administrators: root
```

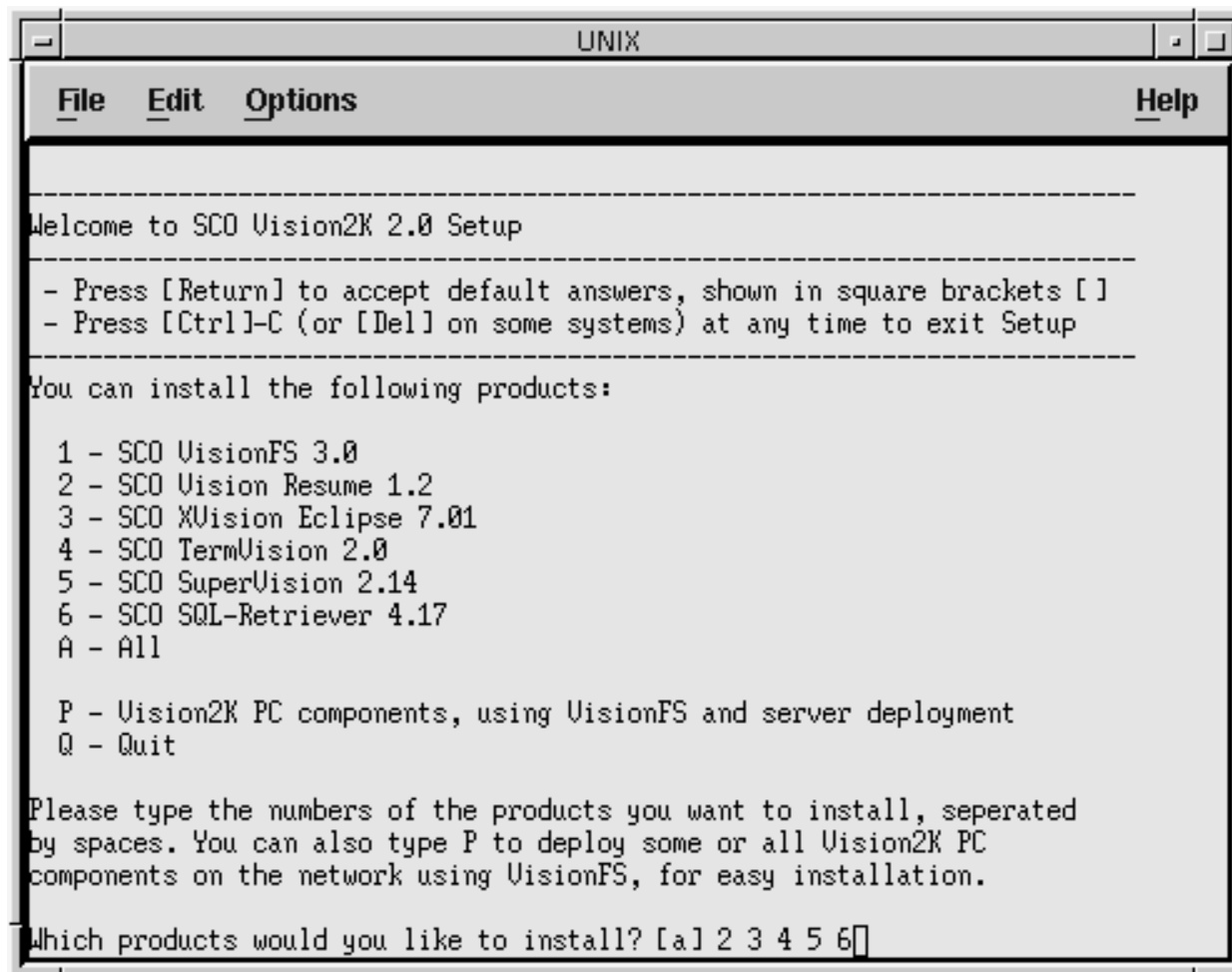
```
The server is running.
```

```
Connected users:
```

```
No users are currently connected to the server.
```

```
#
```

SCO Vision2K UNIX Host Installation



```
UNIX
File Edit Options Help

-----
Welcome to SCO Vision2K 2.0 Setup
-----
- Press [Return] to accept default answers, shown in square brackets []
- Press [Ctrl]-C (or [Del] on some systems) at any time to exit Setup
-----

You can install the following products:

1 - SCO VisionFS 3.0
2 - SCO Vision Resume 1.2
3 - SCO XVision Eclipse 7.01
4 - SCO TermVision 2.0
5 - SCO SuperVision 2.14
6 - SCO SQL-Retriever 4.17
A - All

P - Vision2K PC components, using VisionFS and server deployment
Q - Quit

Please type the numbers of the products you want to install, seperated
by spaces. You can also type P to deploy some or all Vision2K PC
components on the network using VisionFS, for easy installation.

Which products would you like to install? [a] 2 3 4 5 6
```

SCO Vision2K Status

```
# /usr/vision/v2k status
```

```
-----  
Vision2K Services (status)  
-----
```

```
Checking processes for Terminal Services...  
Checking processes for Administration Services...  
Checking processes for Vision Services...  
Checking processes for License Services...
```

```
The following processes are running on your system:
```

```
root 5901 lna  
root 5905 logsrv  
root 5910 nsmsrv  
root 5912 licsrv  
root 5919 authsrv  
root 6615 tsrv
```

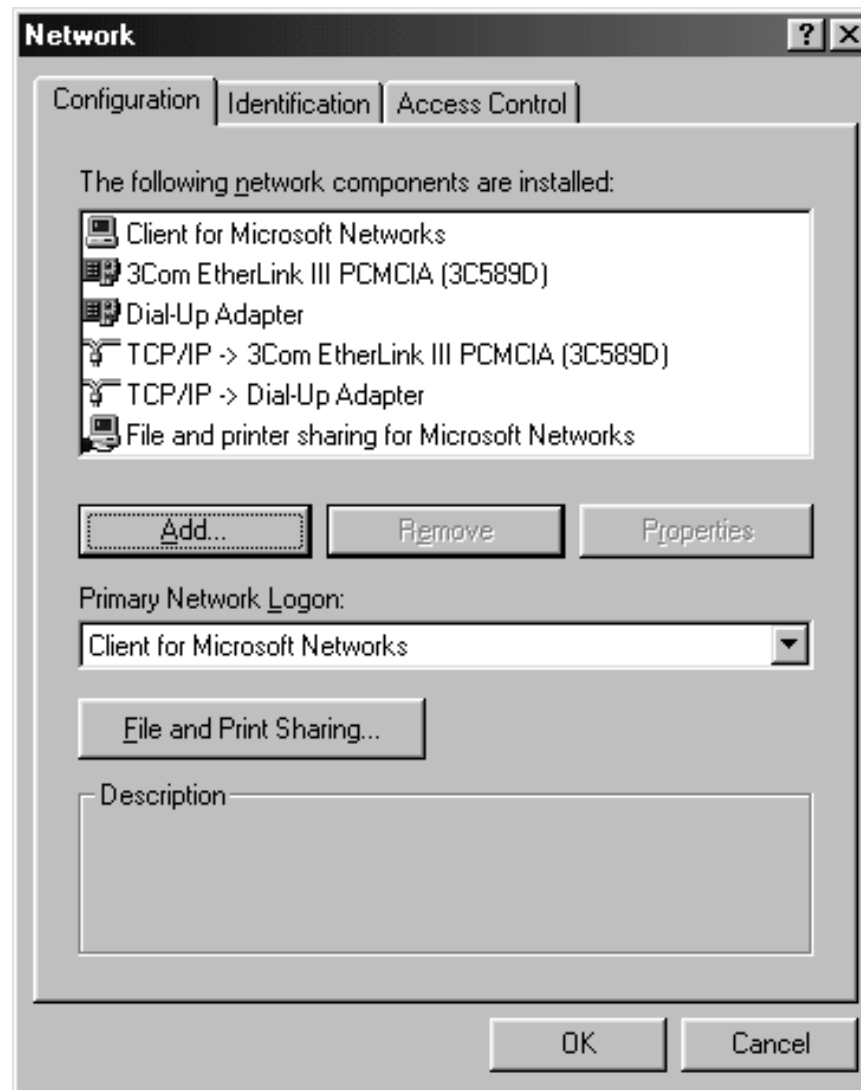
```
-----  
Vision2K Services finished  
-----
```

```
#
```

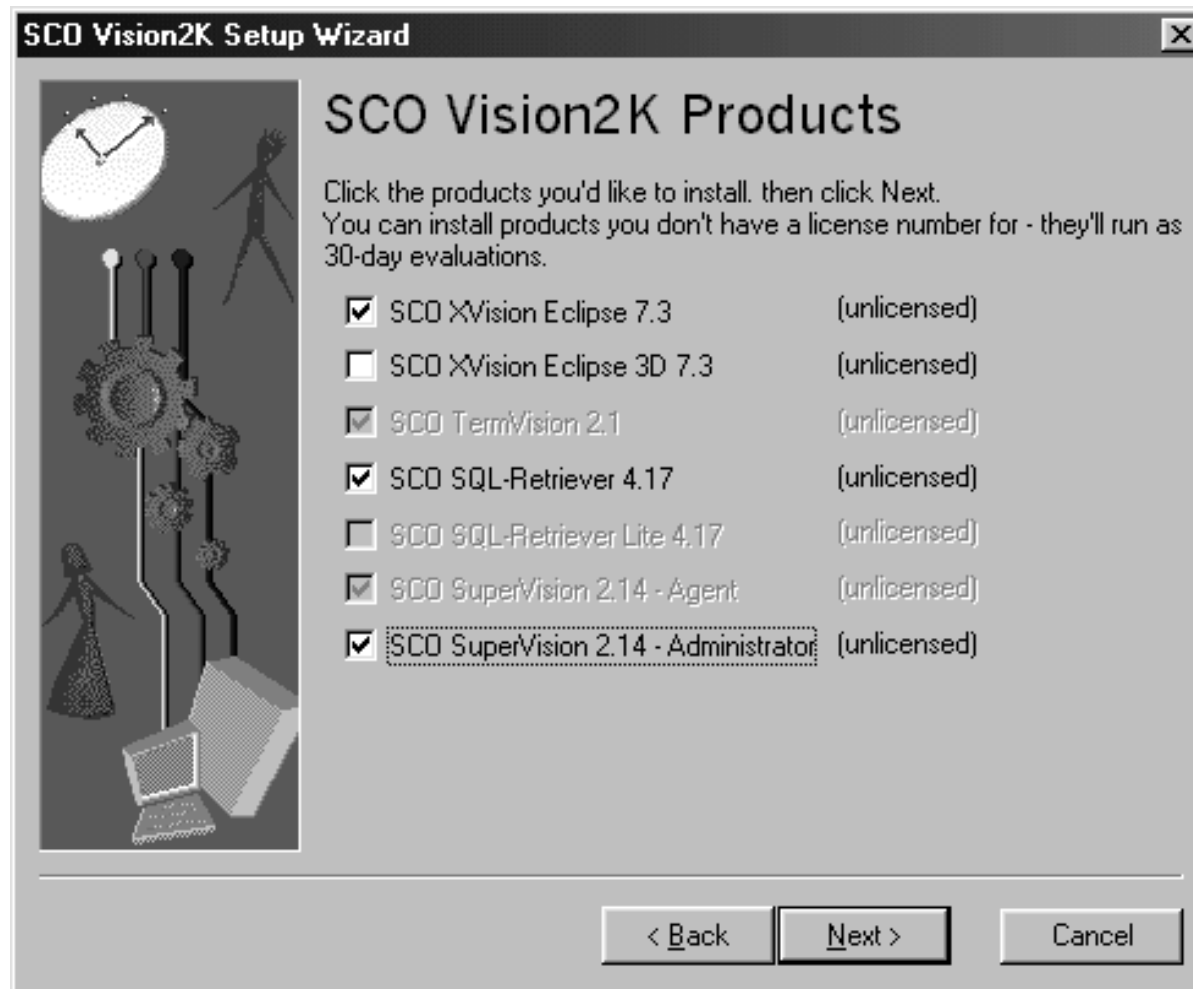
SCO Vision2K PC Files and Directories

```
# /usr/vision/bin/visionfs share --add vision2k
/cdrom/pc/win32
Share added: vision2k /cdrom/pc/win32
# lf /cdrom/pc/win32
app/          shared/      system/     vwmuapi.dll
scoreg.exe    sqlr/        tvision/    xvision/
setup32.exe   svision/     vfsetup.inf
#
```

Windows 98 Network Configuration



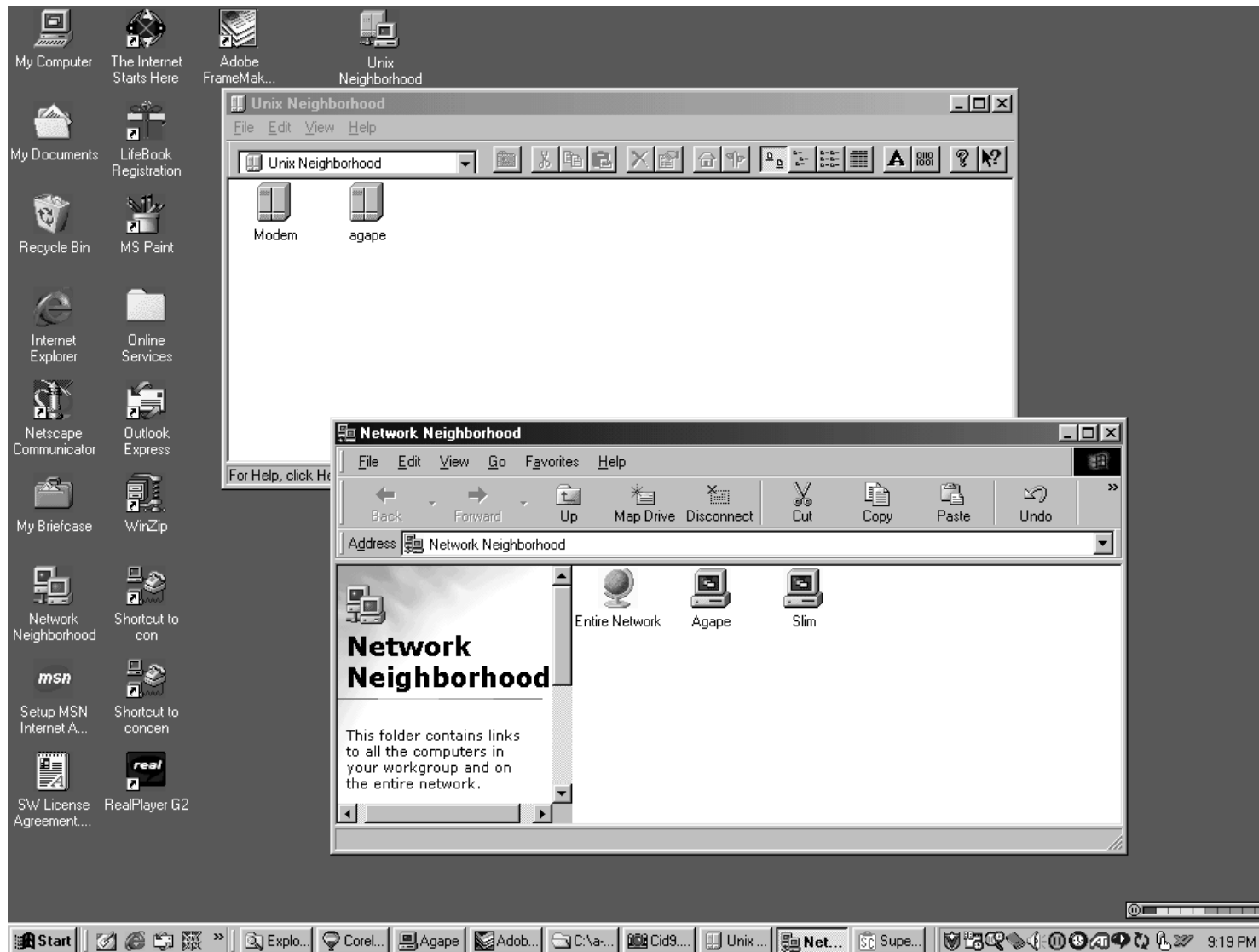
Installing SCO Vision2K PC Components



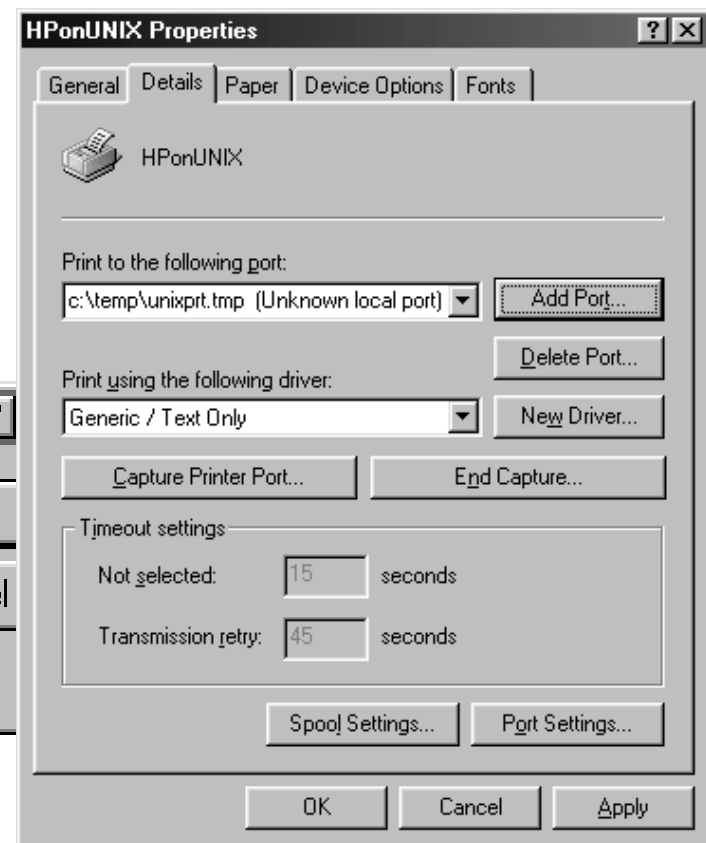
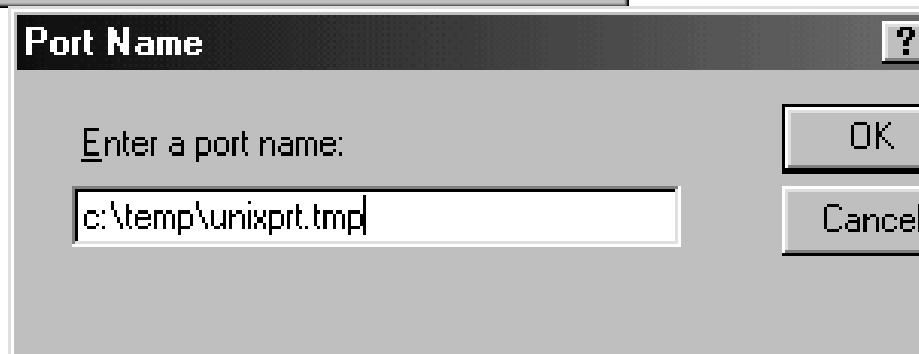
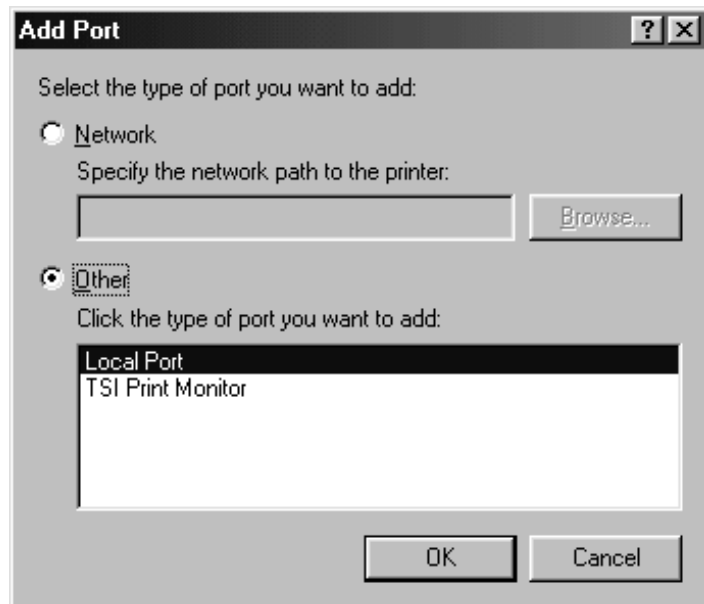
SCO Vision2K PC Components



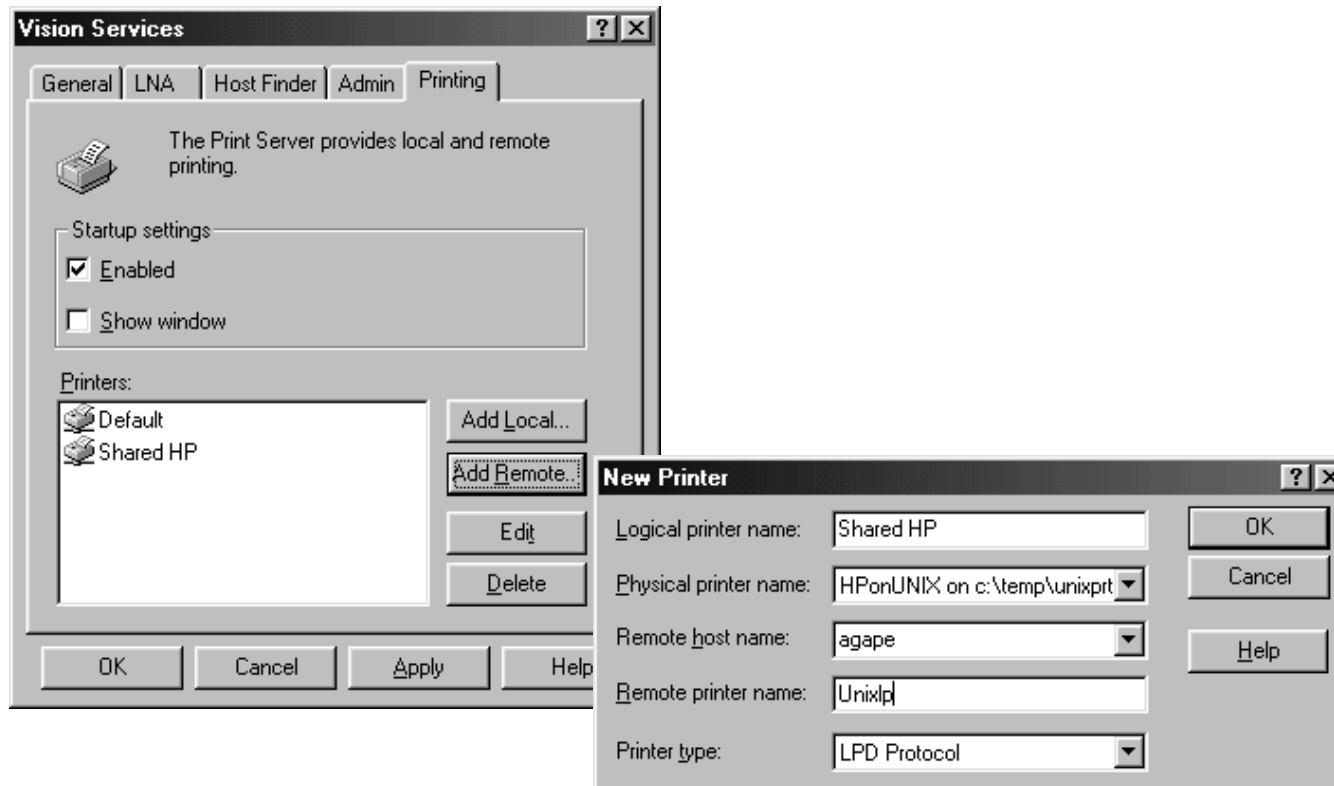
Browsing Remote UNIX Hosts



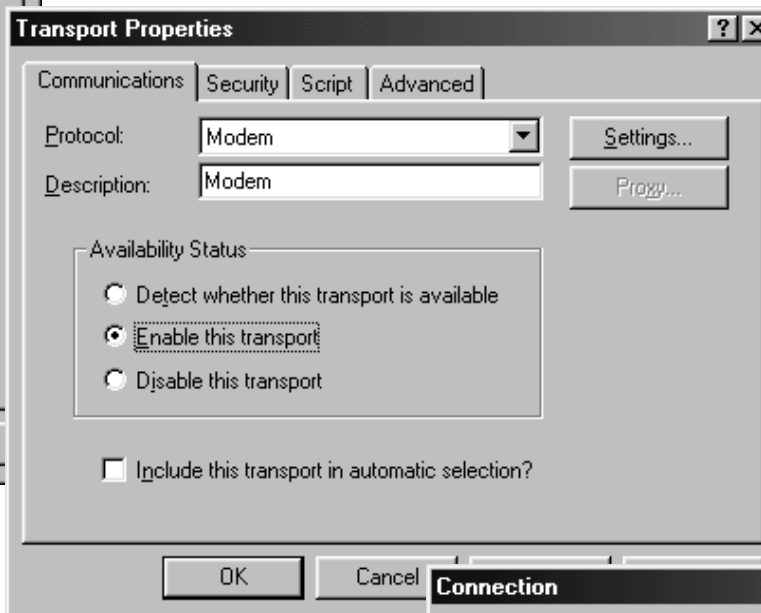
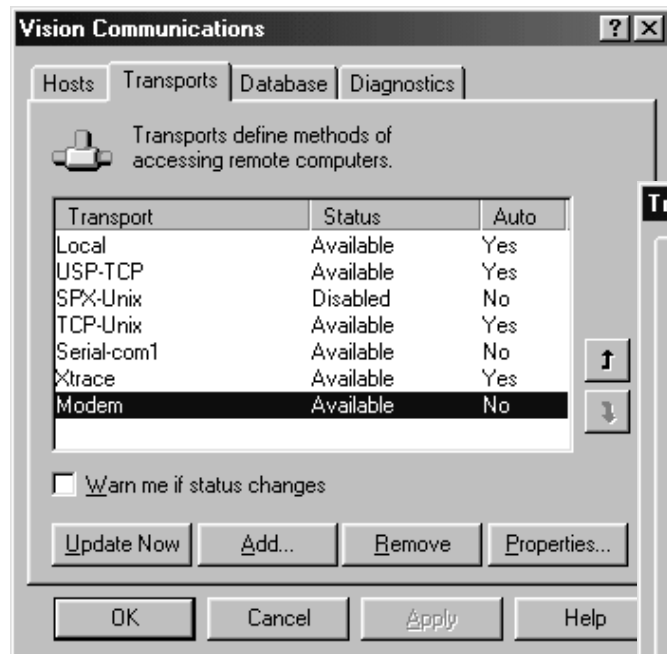
Windows Printer Configuration



Configuring Vision Services for Remote Printing



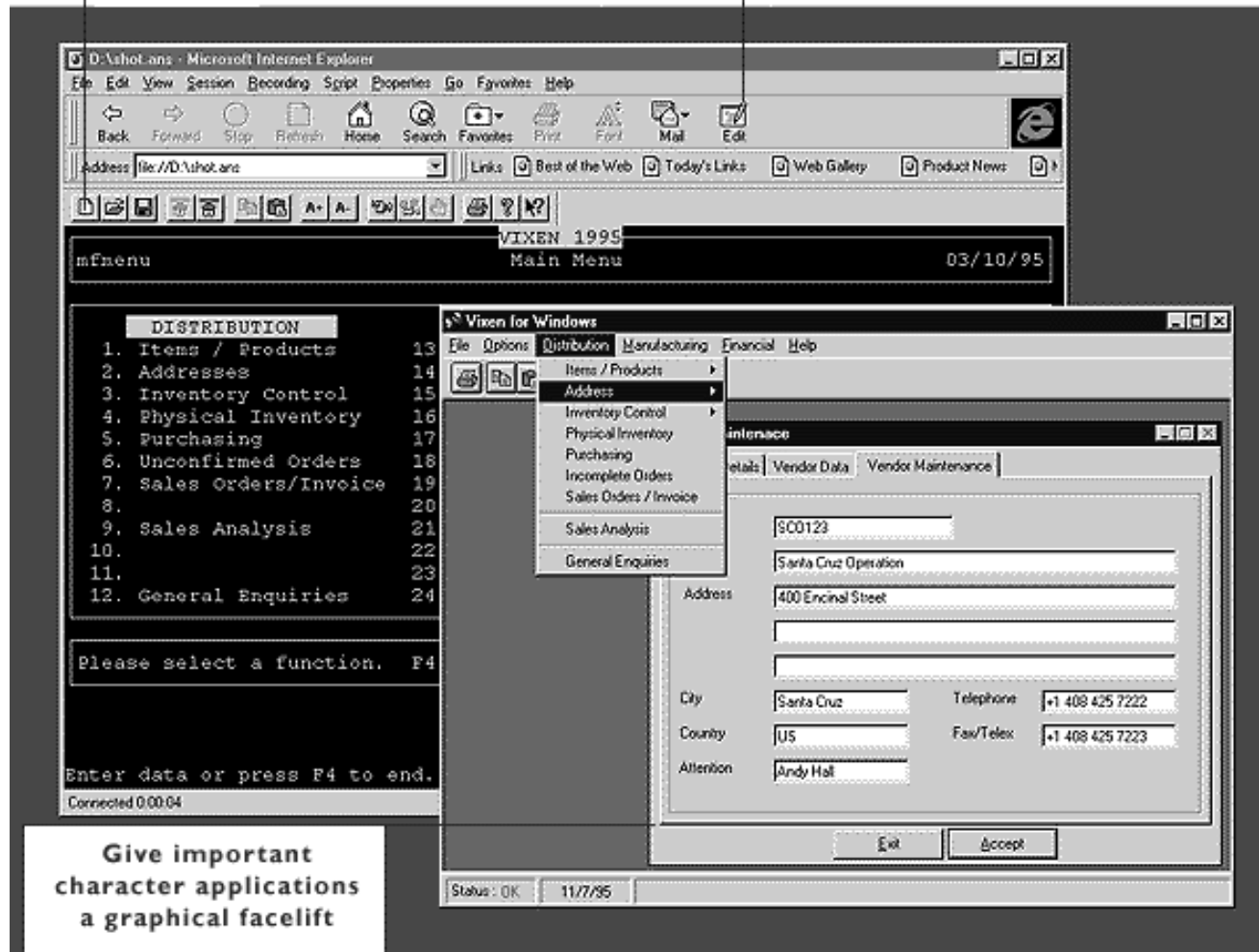
Configuring the Modem Transport



SCO TermVision

System administrator
determines accessible features

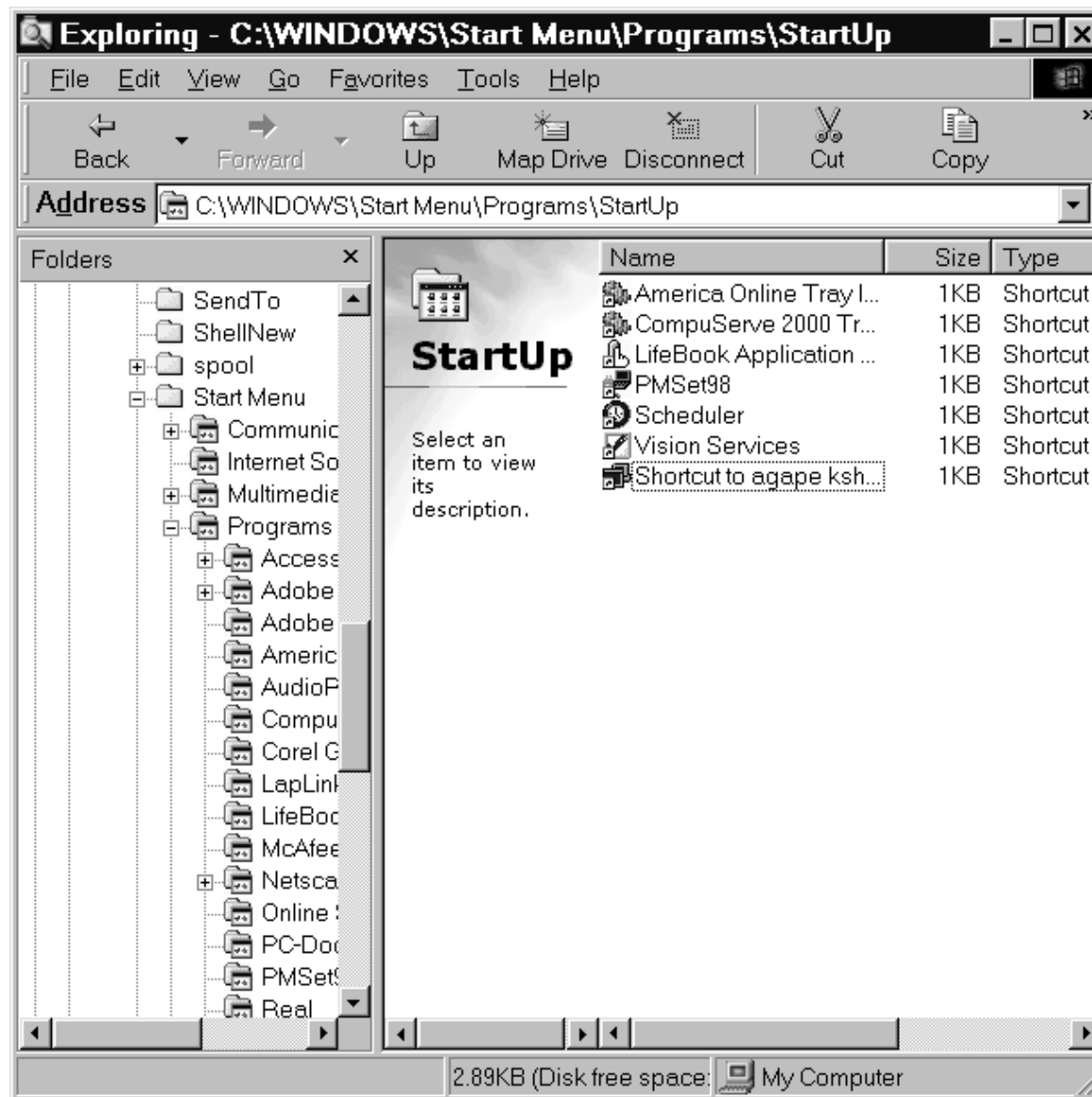
Deliver proven applications
to a wide audience through
the Internet



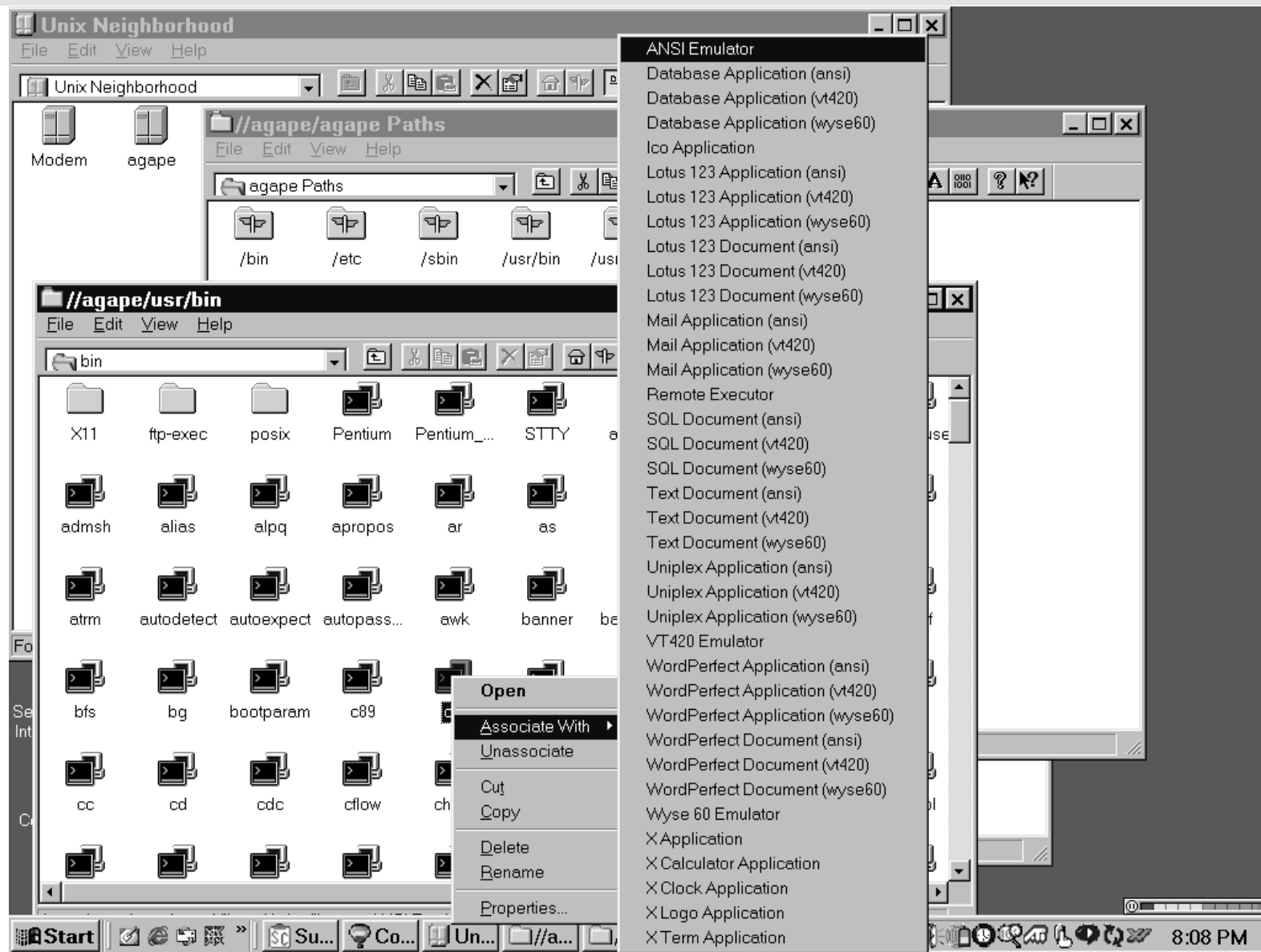
UNIX Application Wizard



Starting UNIX Programs Automatically



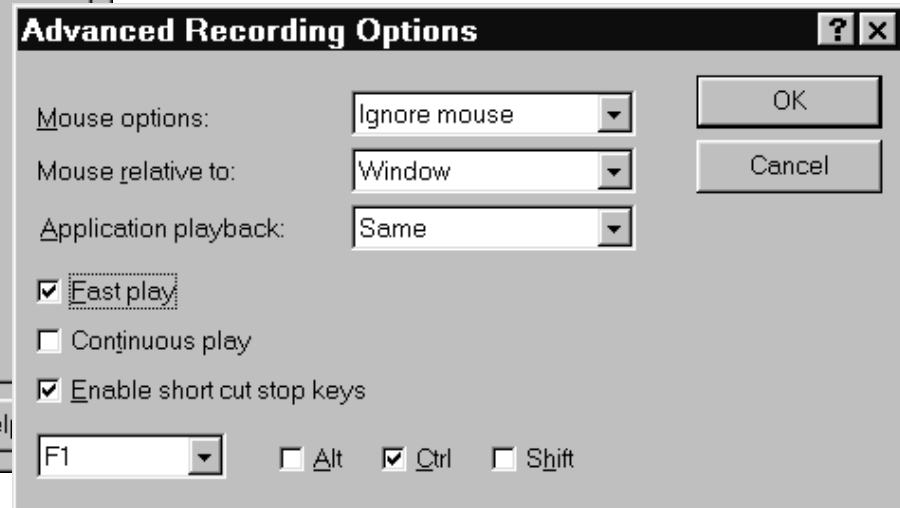
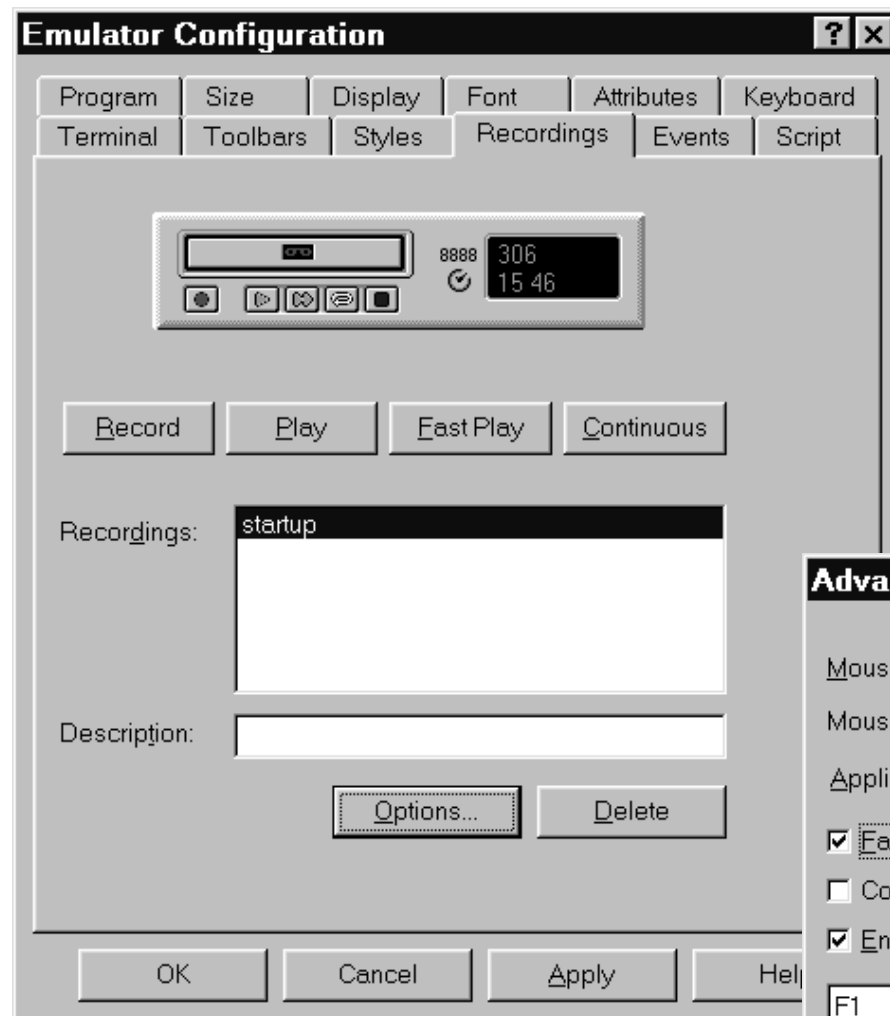
Starting UNIX Programs Automatically



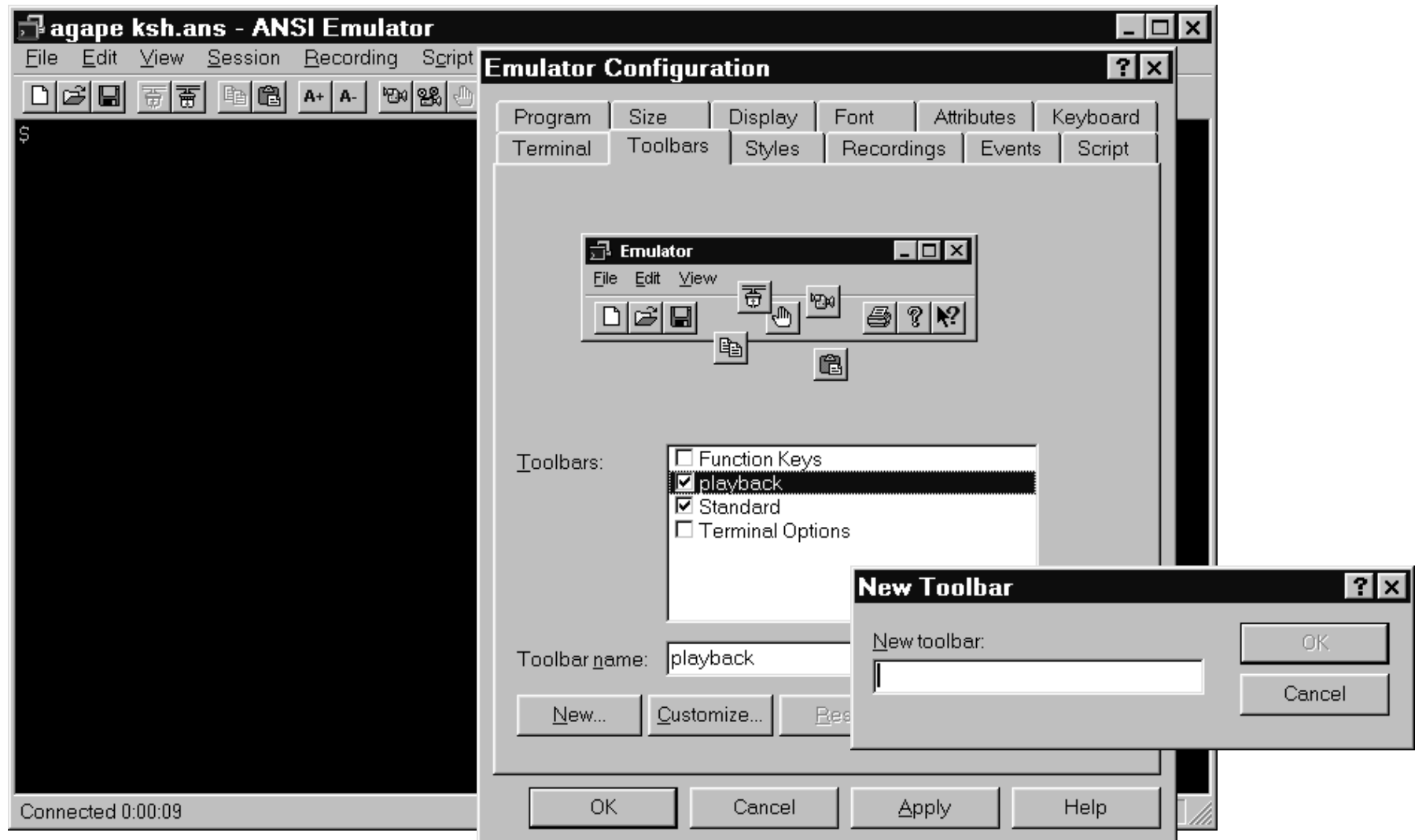
Terminal Emulator Configuration Options



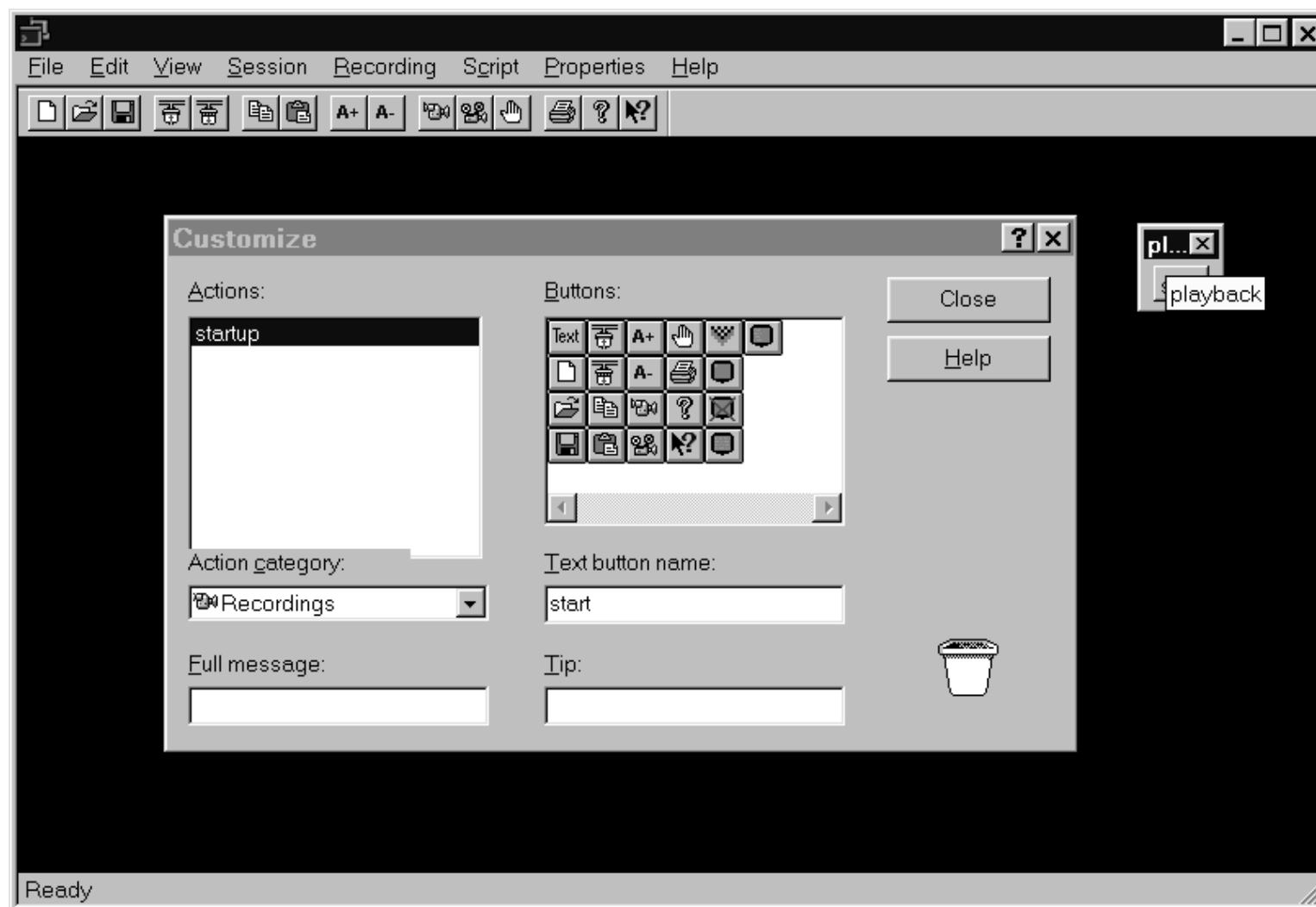
Recording Keystrokes



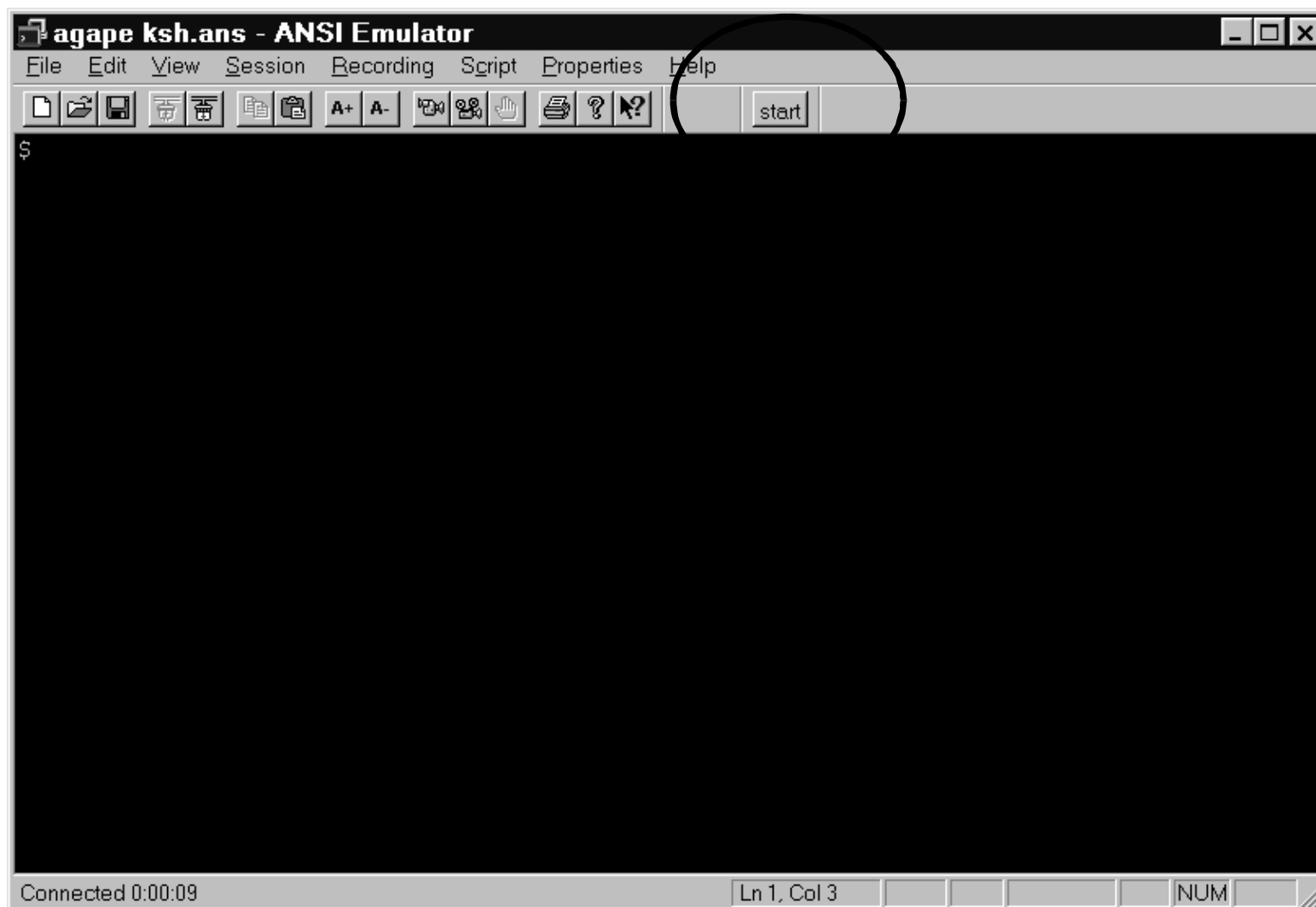
Creating a Toolbar



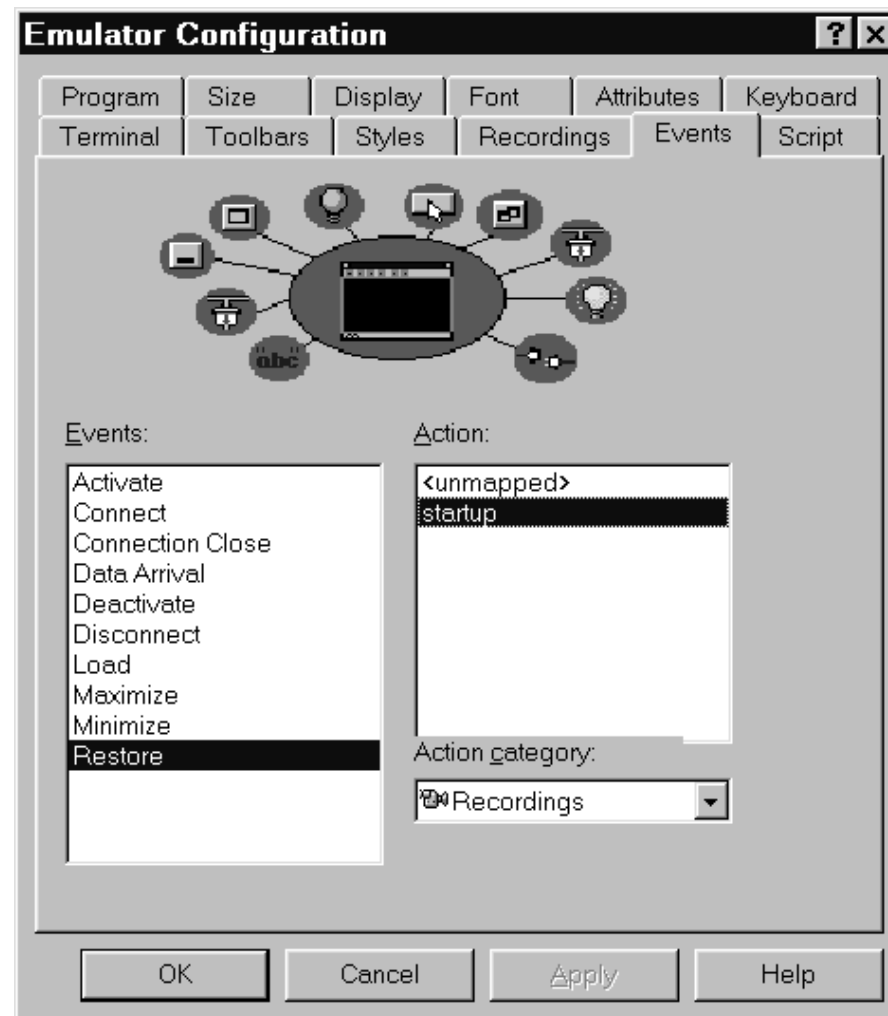
Creating a Toolbar (Cont.)



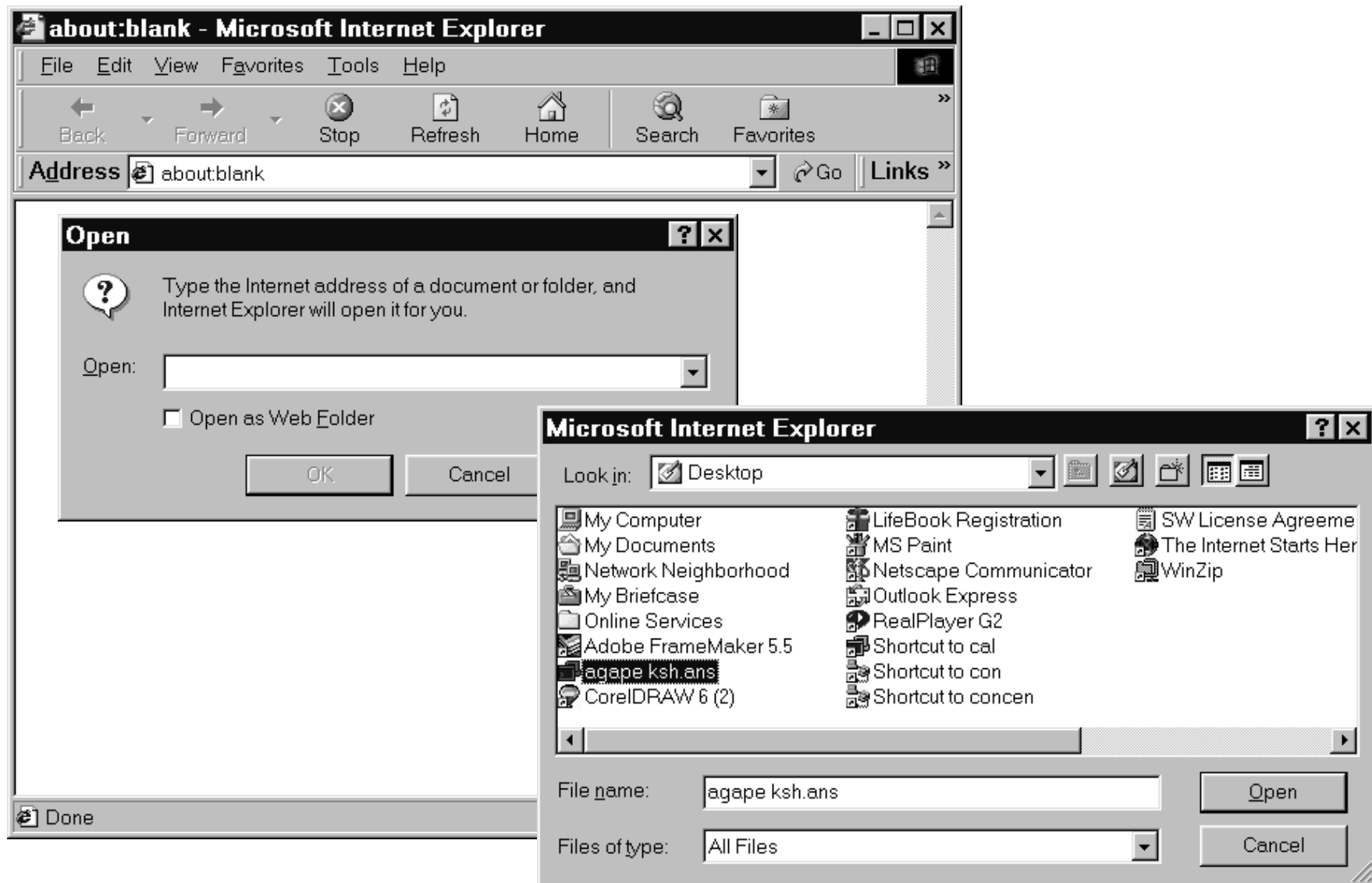
Standard Emulator Toolbar with a New Button



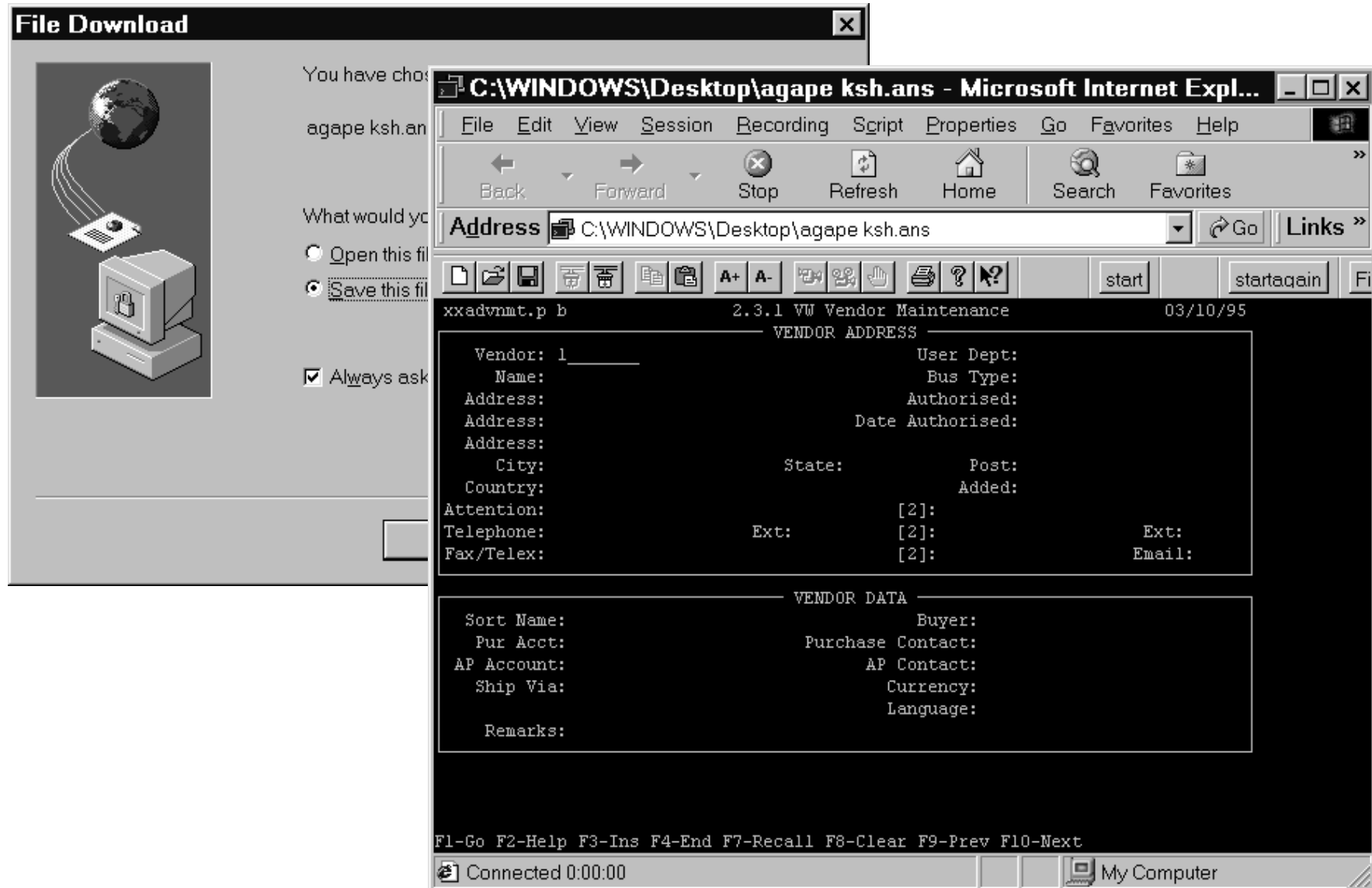
Associating an Action with an Event



Opening a Terminal Emulator from Internet Explorer



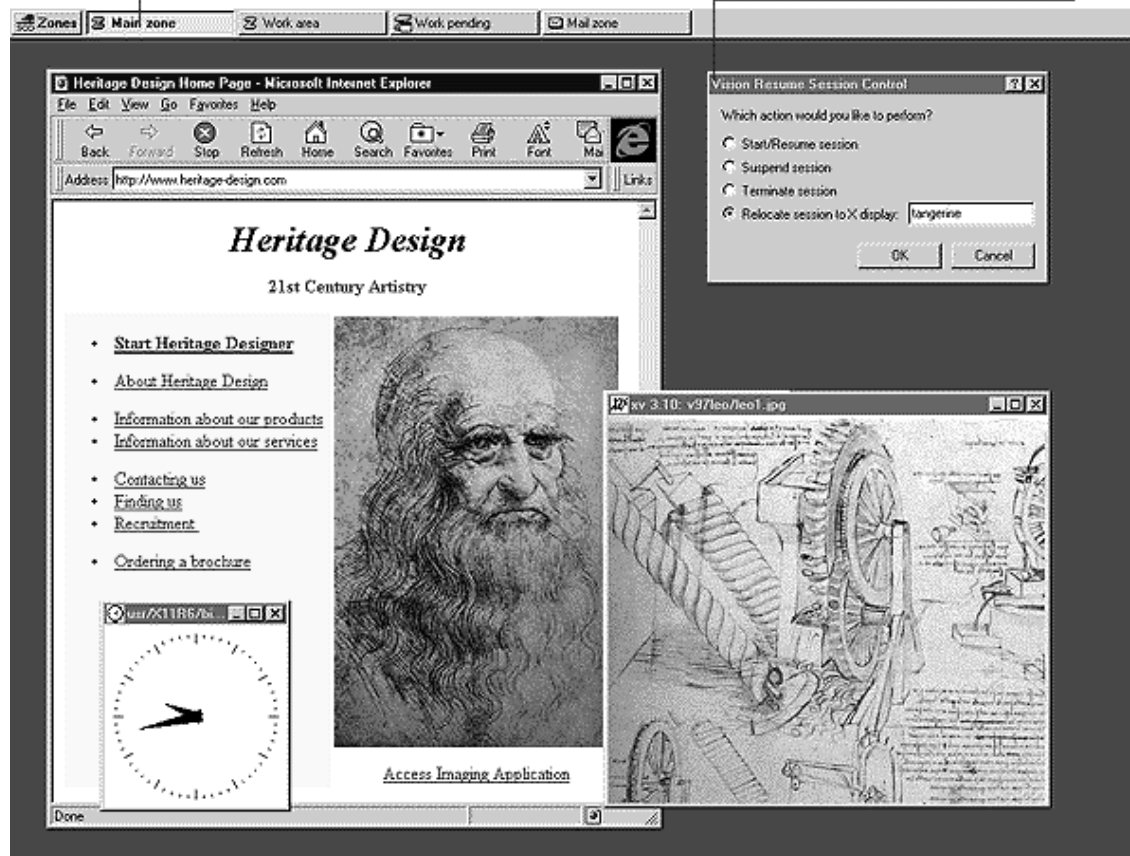
Running a Terminal Emulator from Internet Explorer



SCO XVision Eclipse

Organize busy desktops
with a virtual desktop
manager

Suspend X sessions and
resume from anywhere
on the intranet or Internet,
on any PC



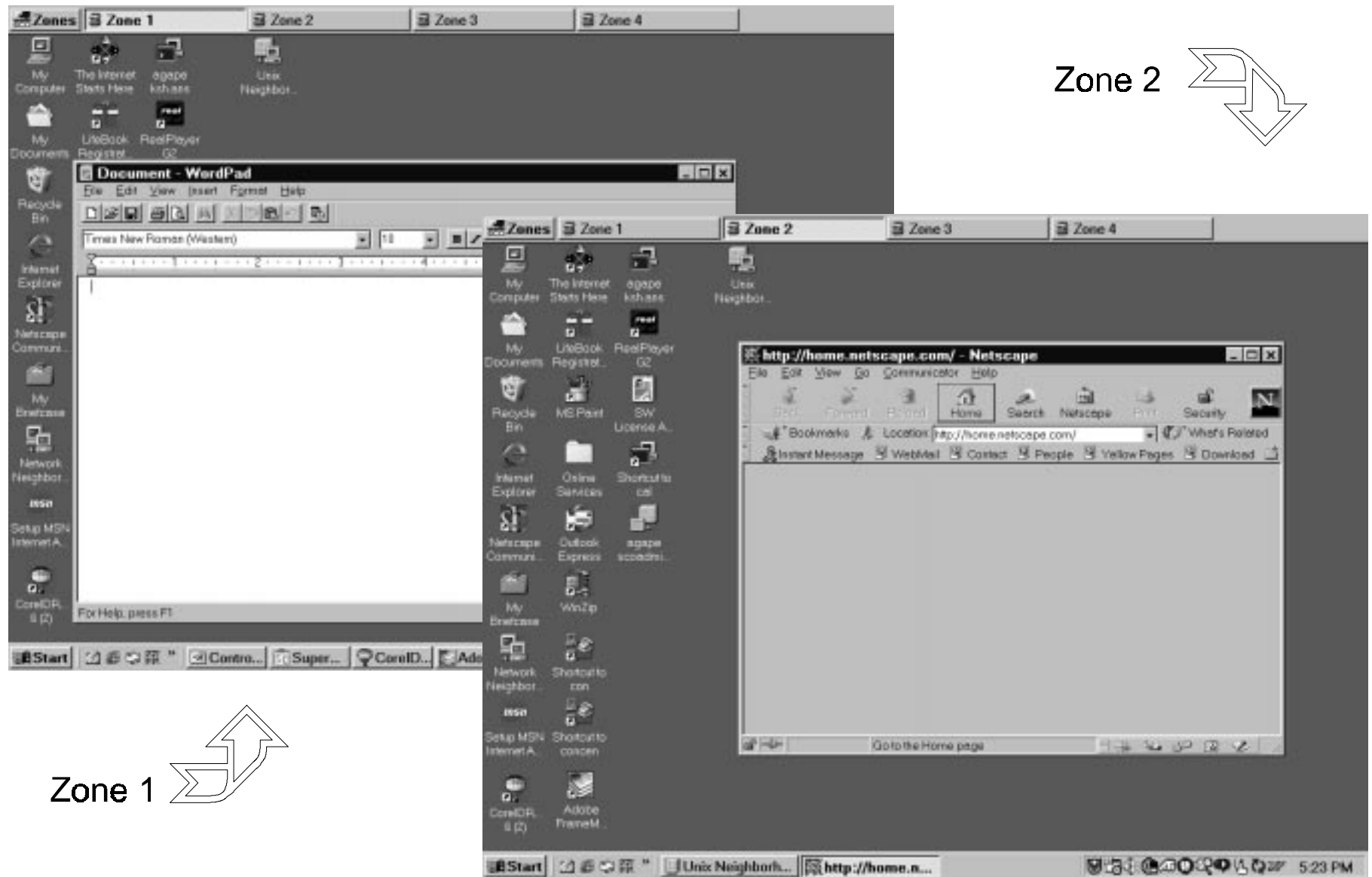
XVision Profiles



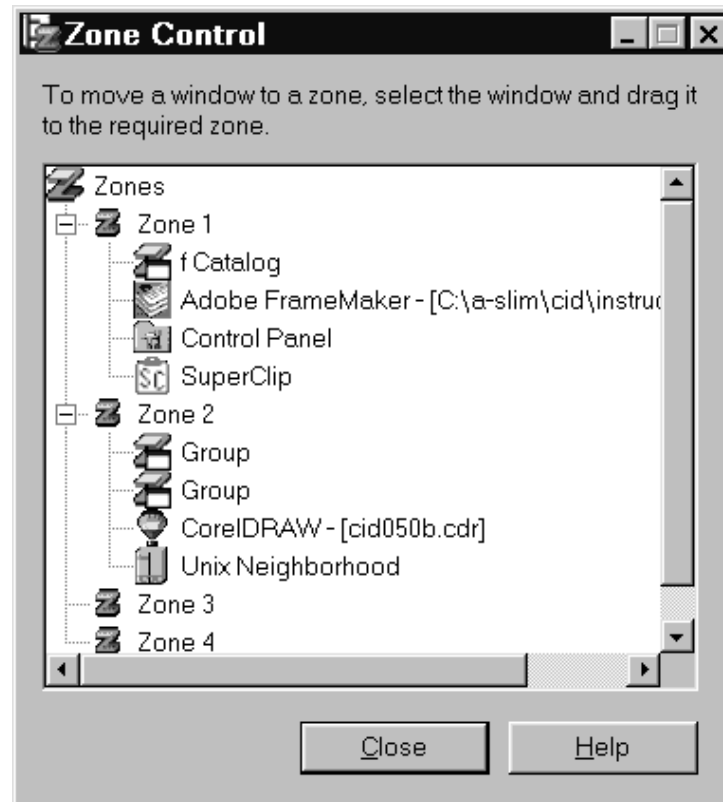
Motif Window Manager and XDMCP



SCO Zones

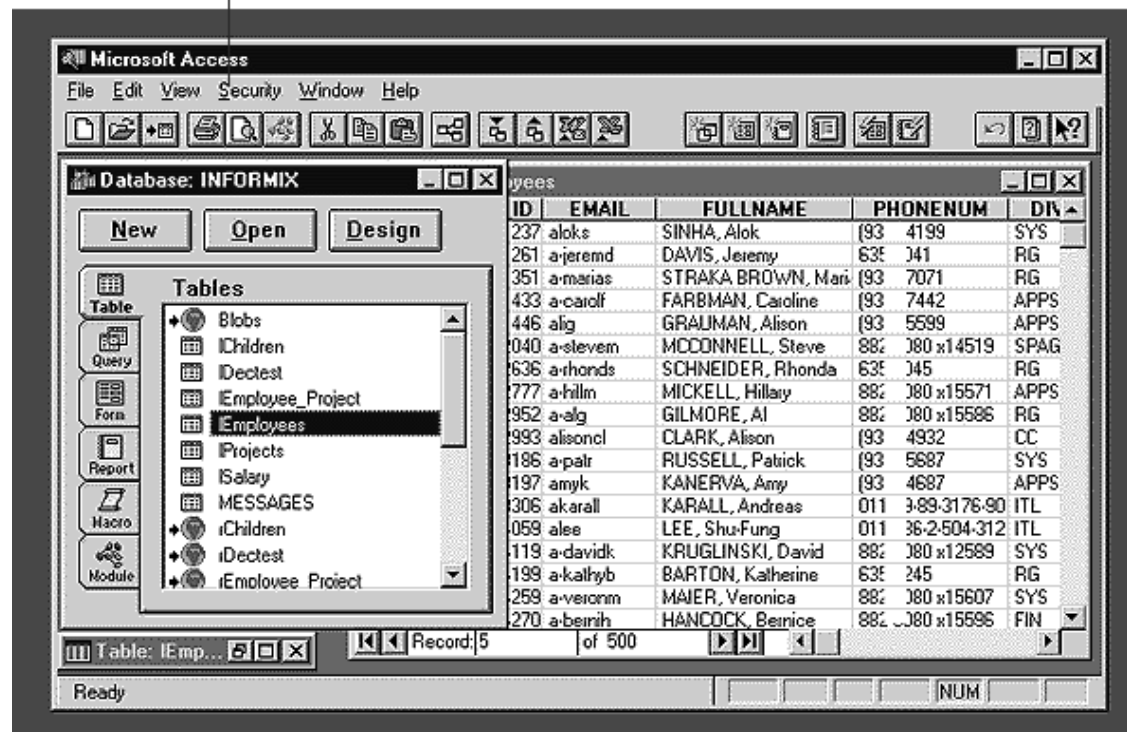


Moving Between Zones

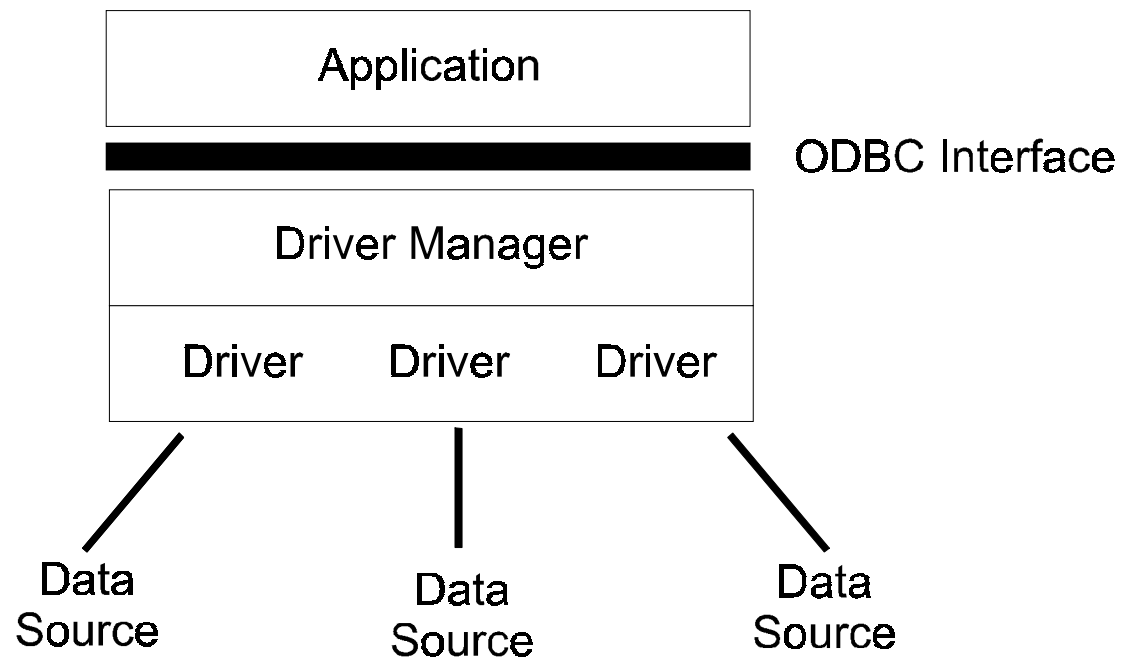


SCO SQL-Retriever

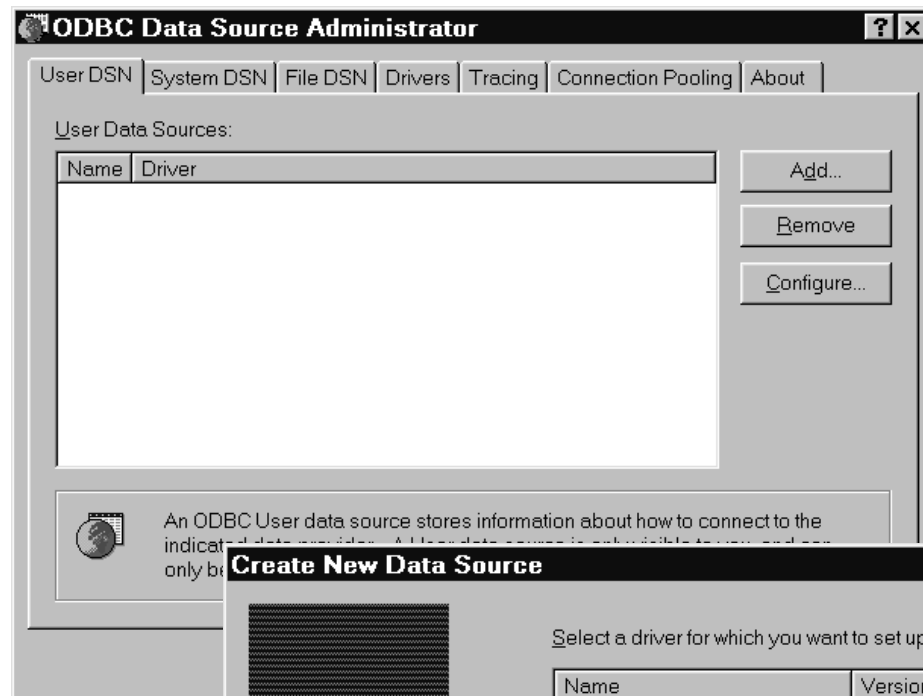
Access UNIX system SQL databases from
Windows developer tools and applications



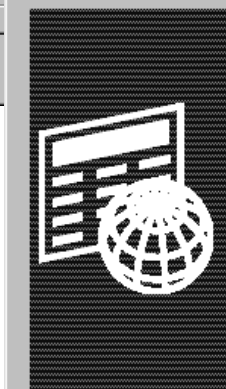
ODBC Architecture



Configuring a Data Source

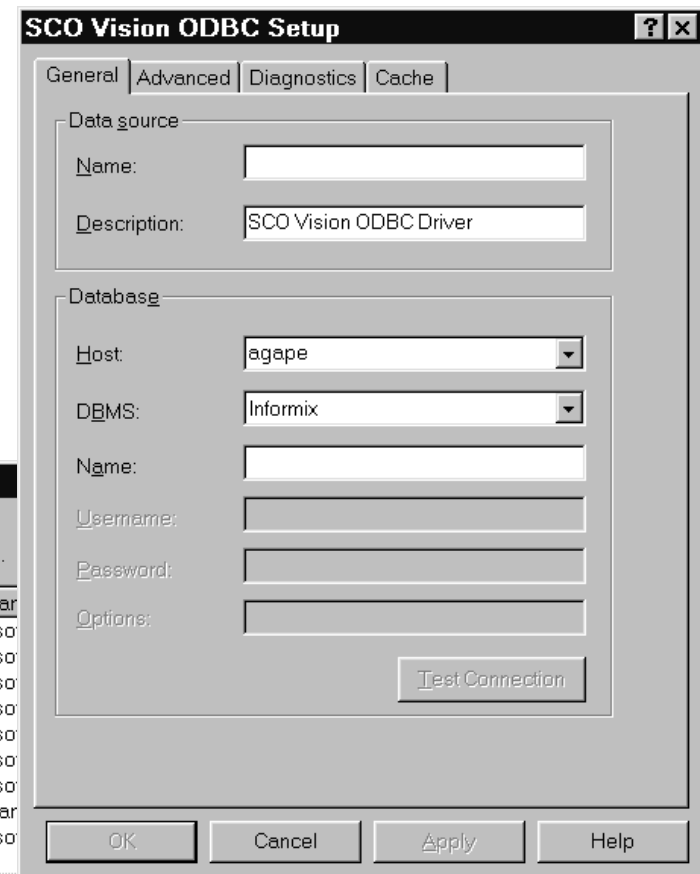


Create New Data Source

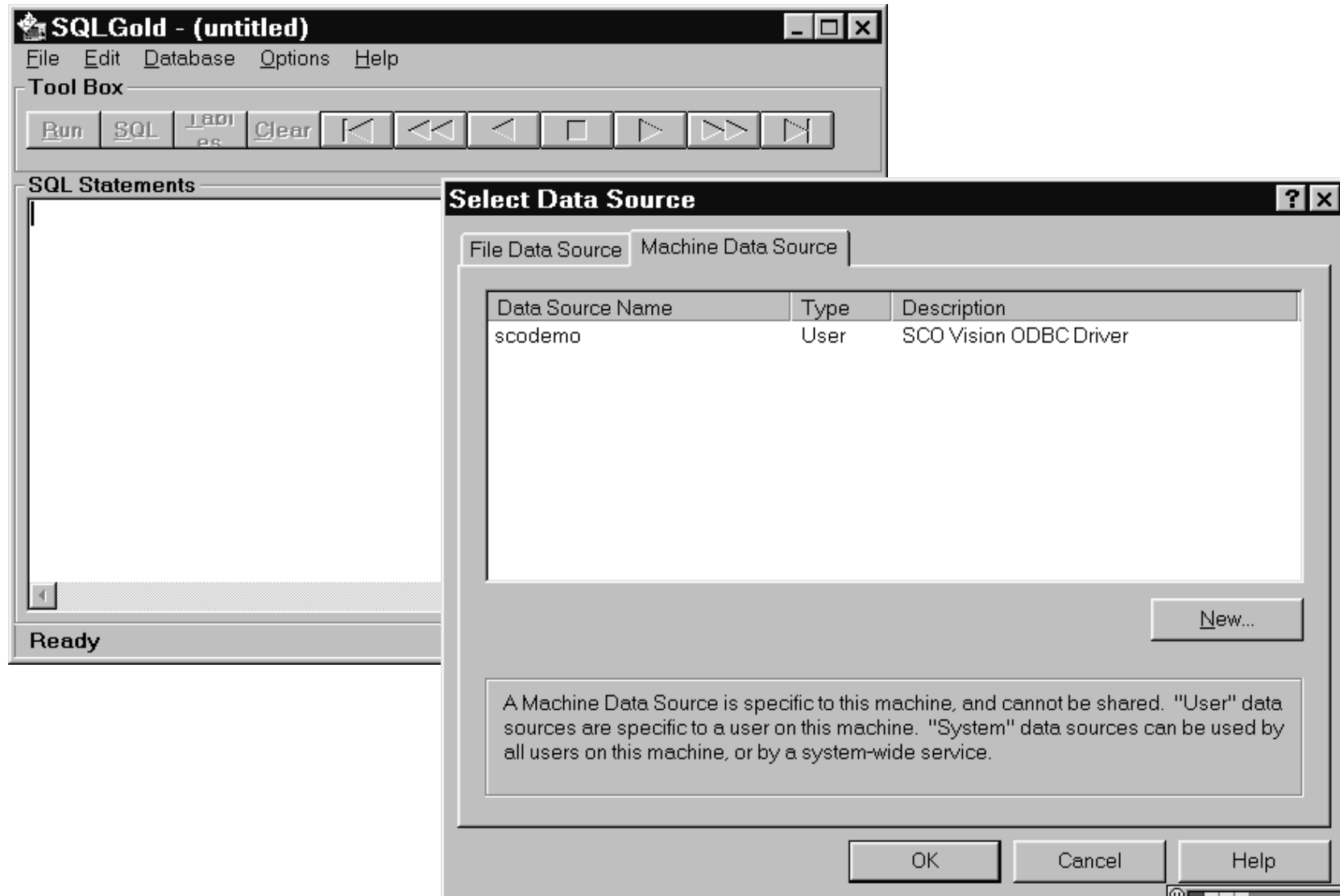


Select a driver for which you want to set up a data source.

Name	Version	Company
Microsoft Access Driver (*.mdb)	4.00.3711.08	Microsoft
Microsoft dBase Driver (*.dbf)	4.00.3711.08	Microsoft
Microsoft Excel Driver (*.xls)	4.00.3711.08	Microsoft
Microsoft ODBC for Oracle	2.573.3711.00	Microsoft
Microsoft Paradox Driver (*.db)	4.00.3711.08	Microsoft
Microsoft Text Driver (*.txt;*.csv)	4.00.3711.08	Microsoft
Microsoft Visual FoxPro Driver	6.00.8428.00	Microsoft
SCO Vision ODBC	4.17.950.00	The Santa Cruz Operation
SQL Server	3.70.06.23	Microsoft



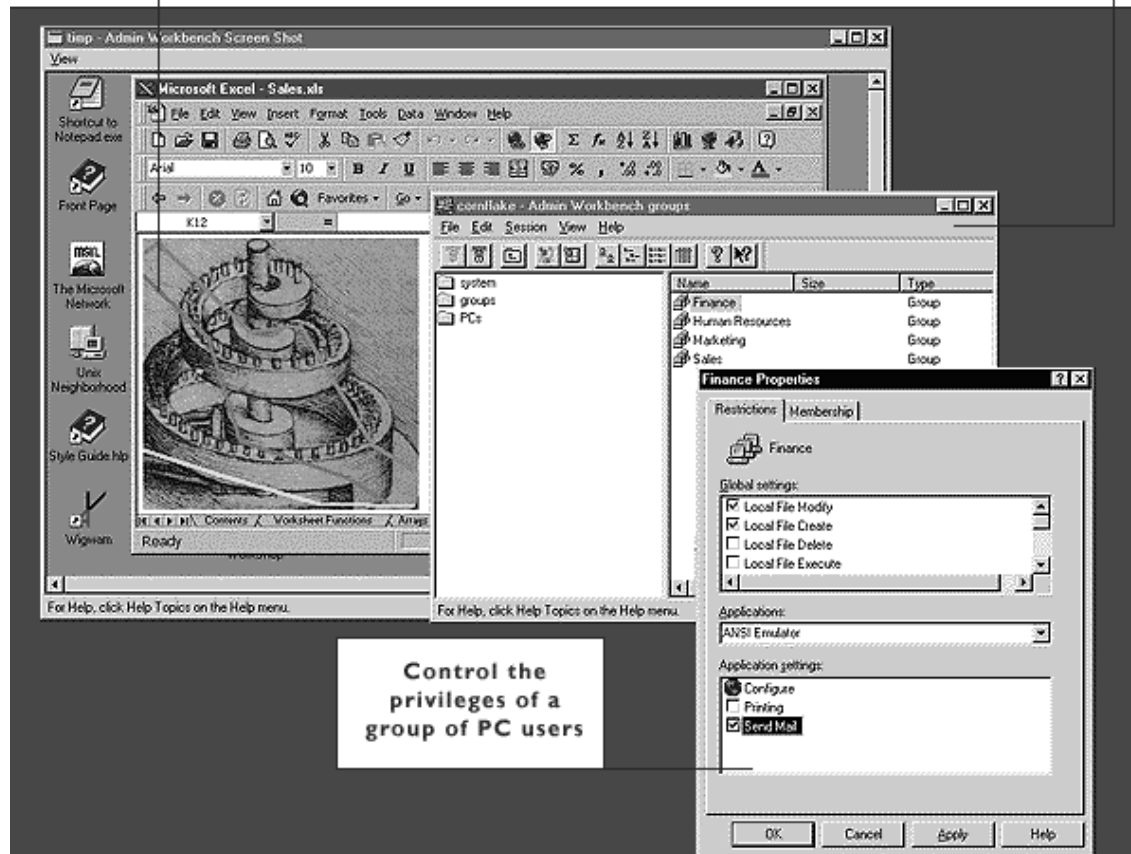
Using SQL Gold



SCO SuperVision

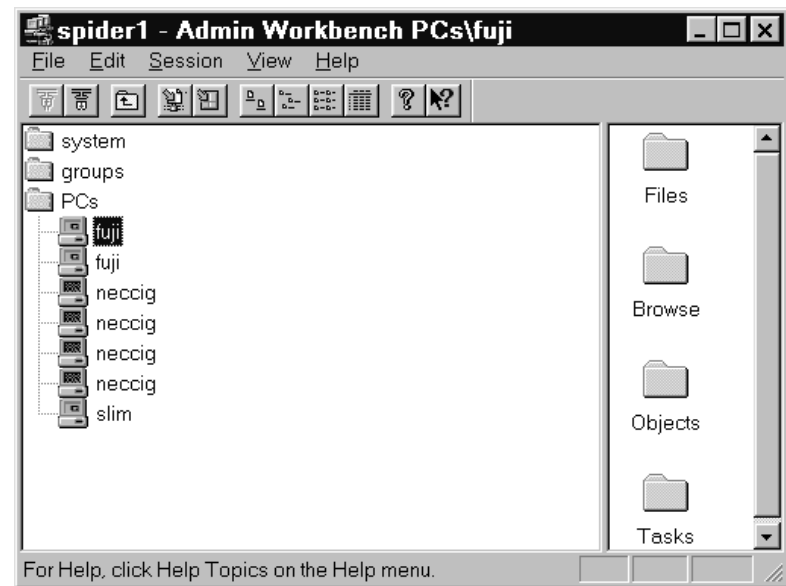
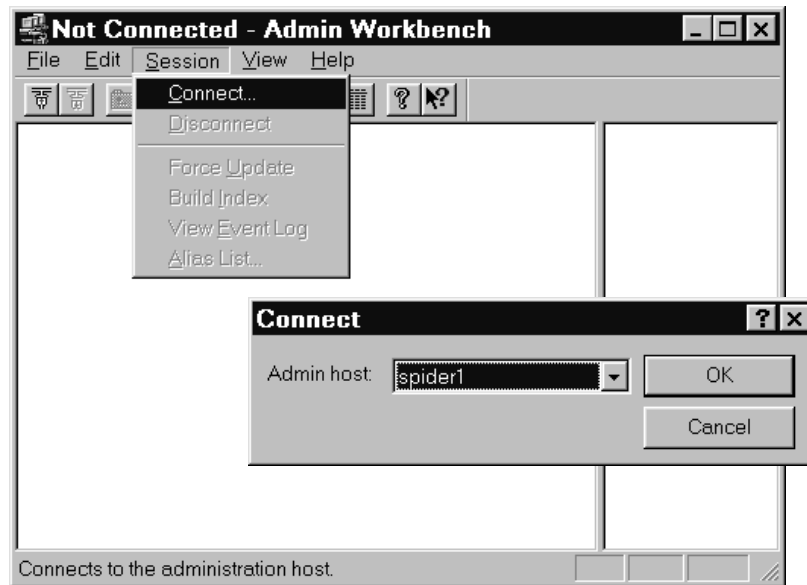
Take a snapshot of a PC user's screen to track down problems

Administrator can apply configurations at a single stroke

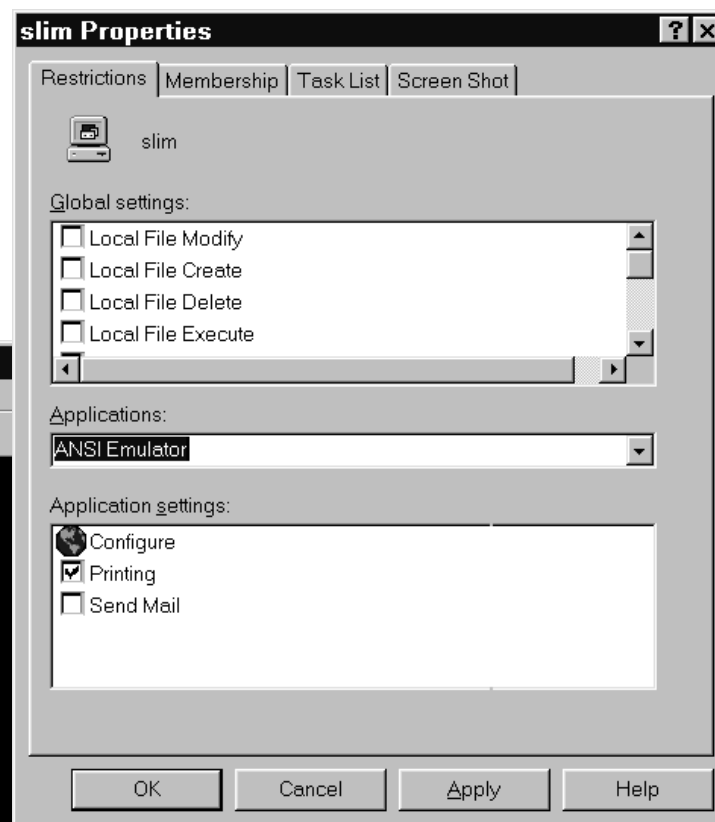
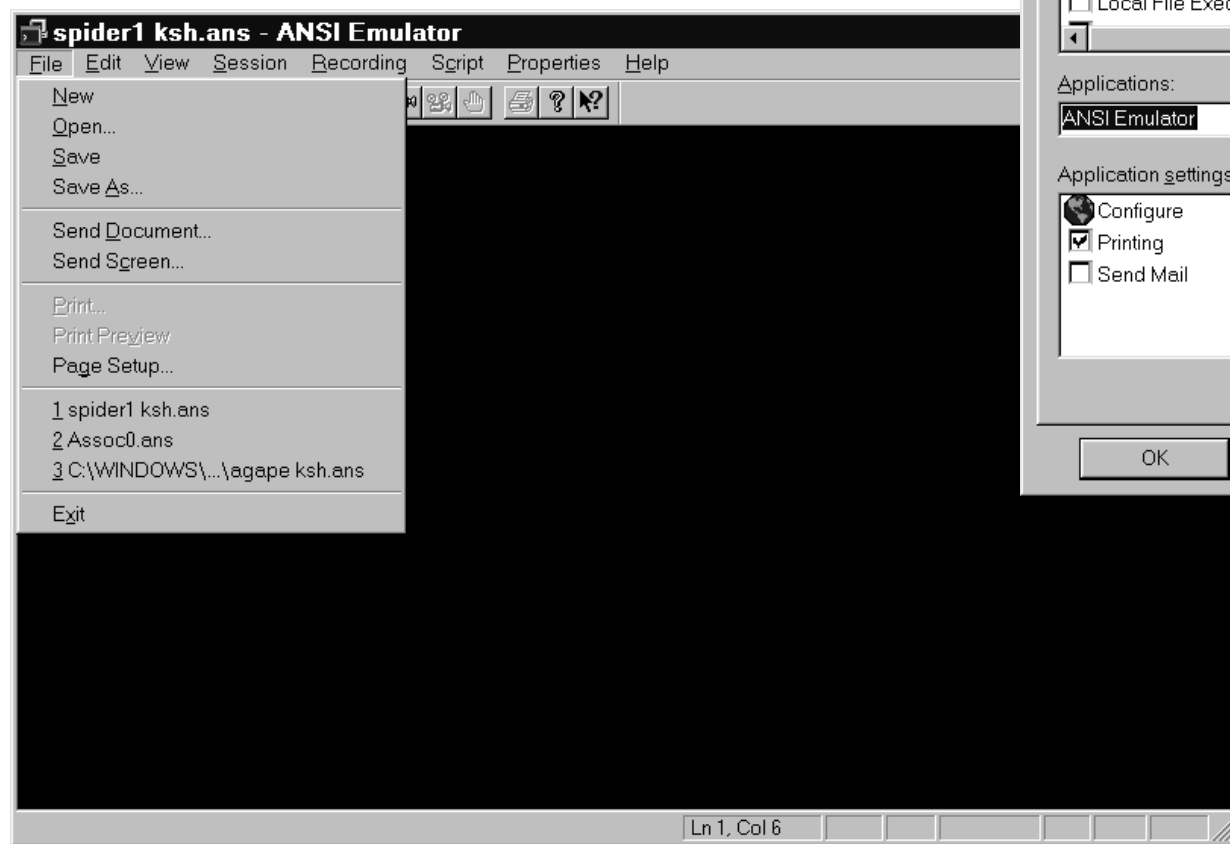


Control the privileges of a group of PC users

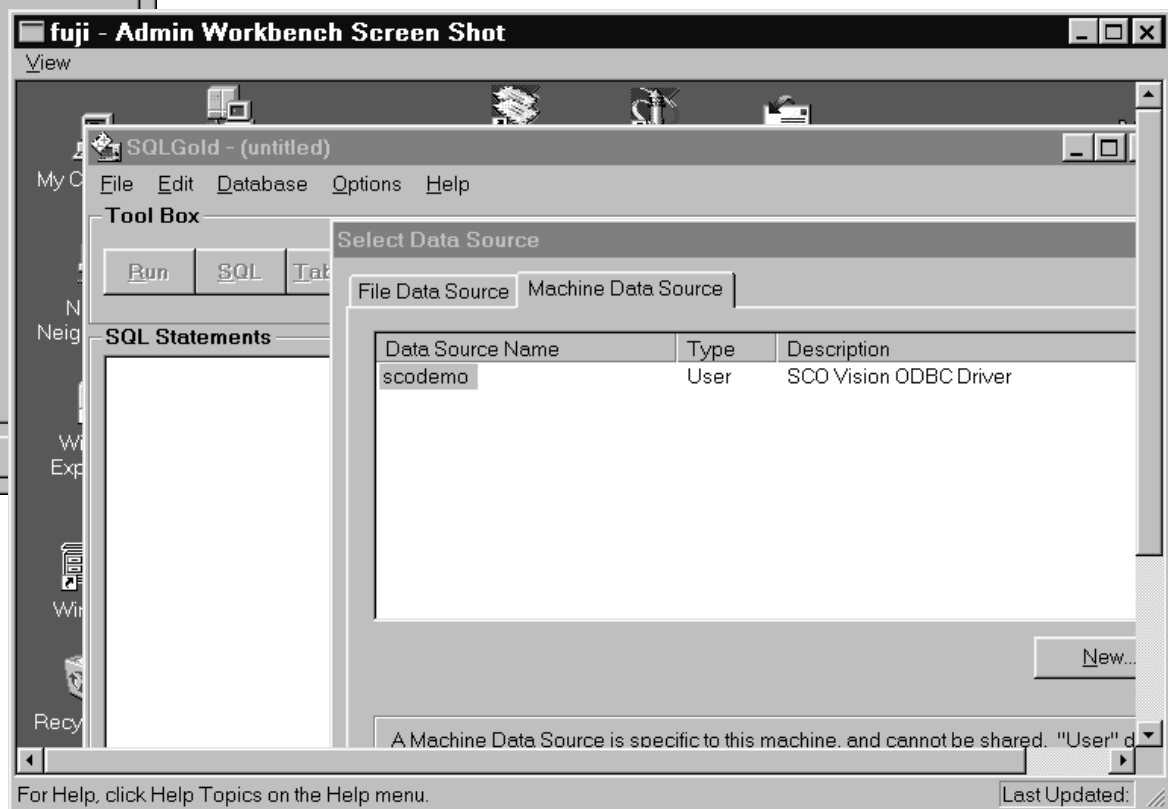
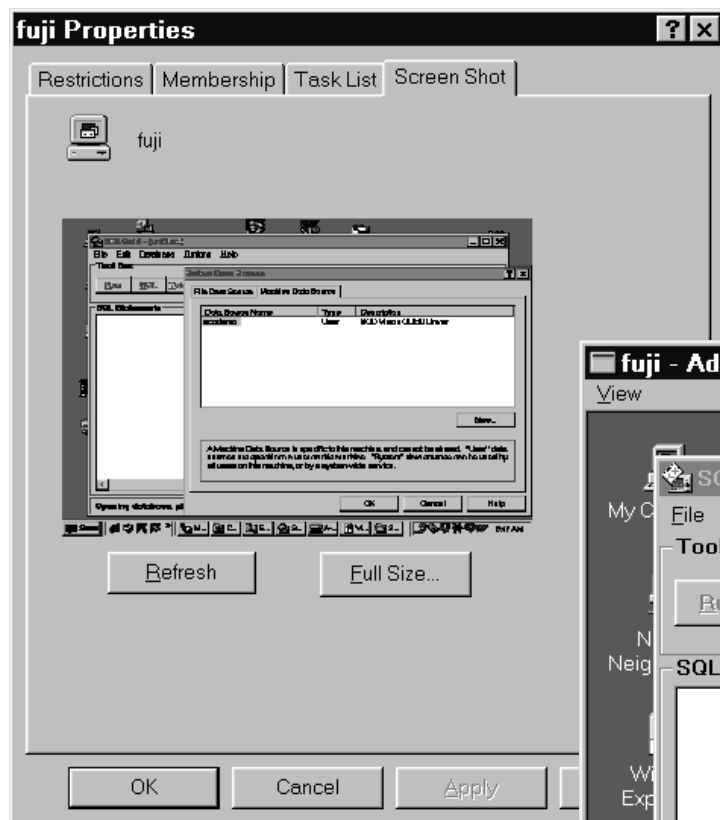
Administration Workbench



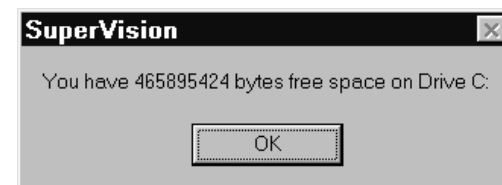
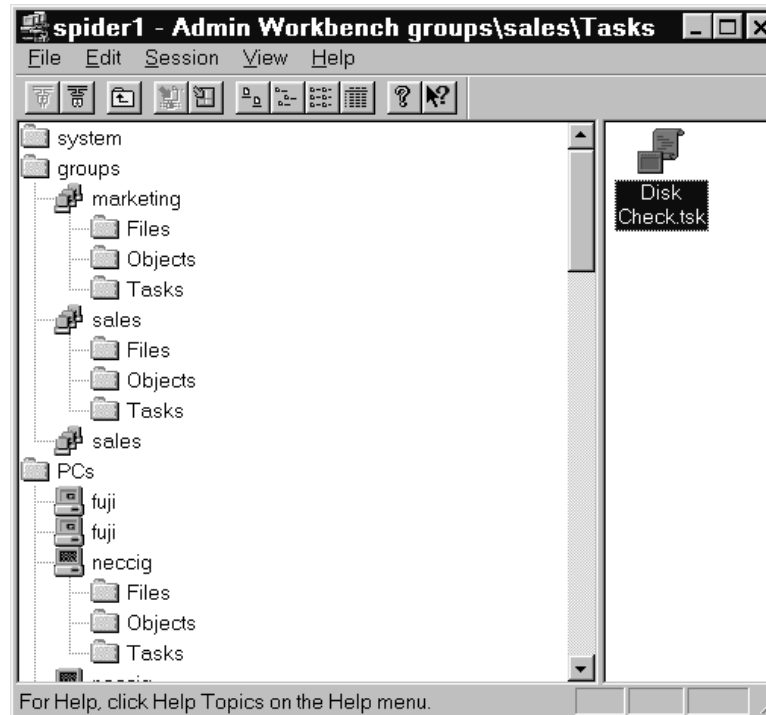
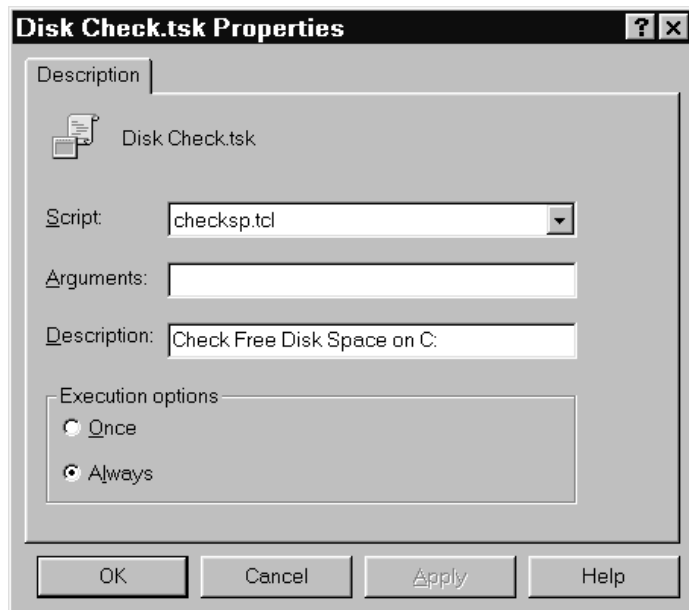
Setting Restrictions



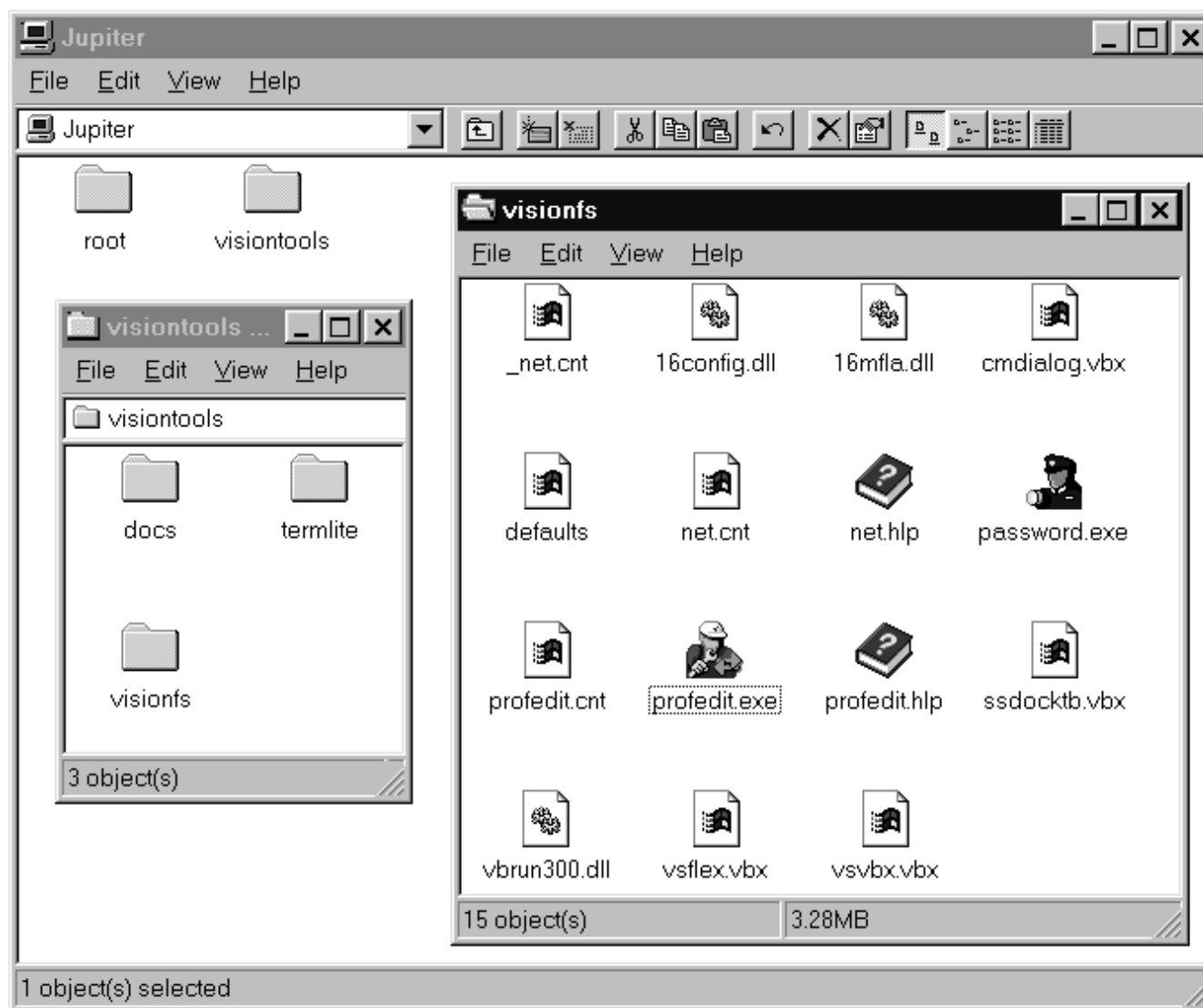
Viewing a Remote Screen



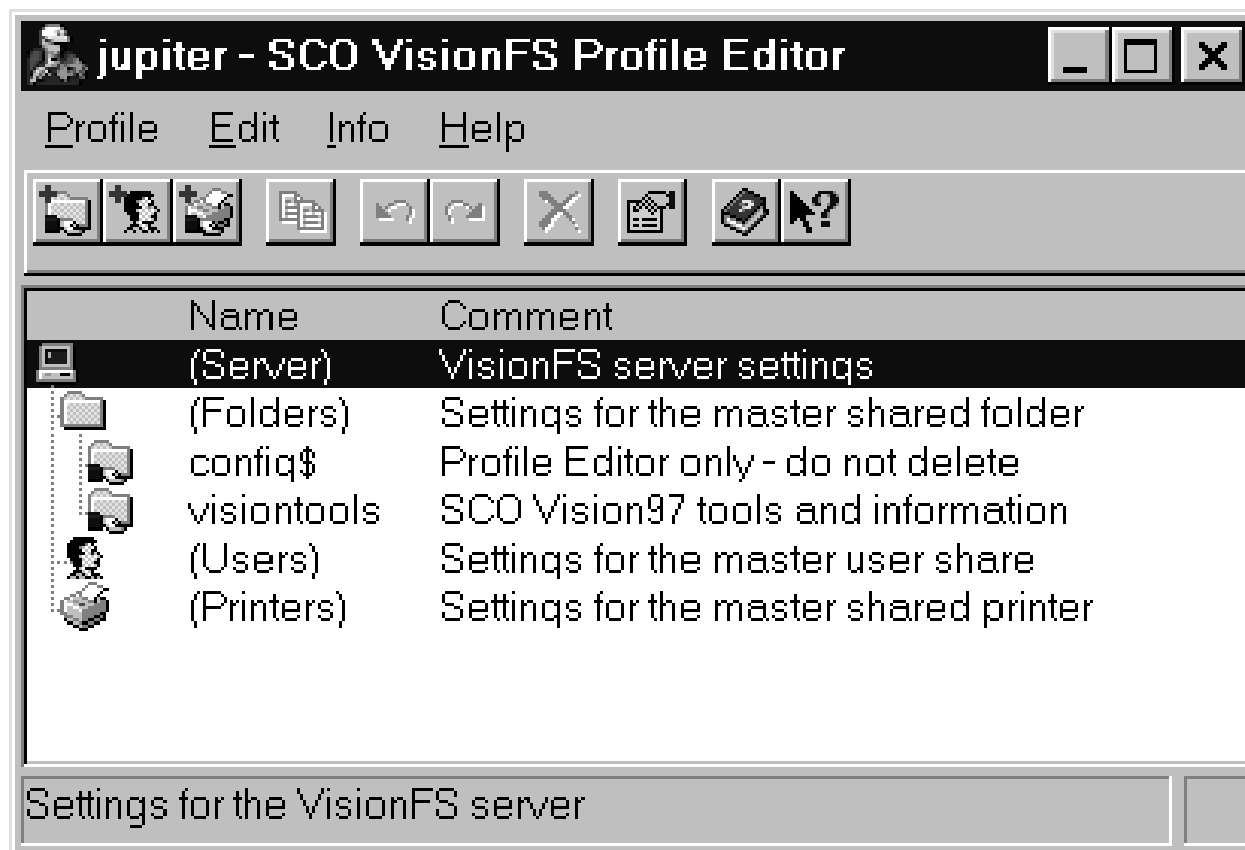
Using Scripts



VisionFS Shares



VisionFS Profile Editor



VisionFS Shared Folder Properties Window

The screenshot shows a window titled "wordfiles Properties" with a close button in the top right corner. Below the title bar are four tabs: "General", "Access", "Files", and "Permissions". The "General" tab is selected. Inside the "General" tab, there is a folder icon and a text instruction: "Please type a name and comment for this share, give its location on the VisionFS server, and set its availability." Below this instruction are three input fields: "Share Name:" containing "wordfiles", "Comment:" containing "Shared folder on (dir-name)", and "UNIX Directory:" containing "/wordfiles". To the right of the "UNIX Directory:" field is a "Browse..." button. Below the "UNIX Directory:" field is a checkbox labeled "Link?". At the bottom of the "General" tab is an "Availability" section with four checkboxes: "Active" (checked), "Browsable" (checked), "Link?" (checked), and another "Link?" (checked). At the bottom of the window are four buttons: a question mark icon, "OK", "Cancel", and "Help".

wordfiles Properties

General Access Files Permissions

Please type a name and comment for this share, give its location on the VisionFS server, and set its availability.

Share Name: wordfiles

Comment: Shared folder on (dir-name)

UNIX Directory: /wordfiles Browse...

☐ Link?

Availability

☒ Active ☒ Link?

☒ Browsable ☒ Link?

? OK Cancel Help

VisionFS Username Mapping Window

Username Mapping [X]

Windows username:

UNIX username: ▼

☐ VisionFS Administrator privileges

VisionFS Share Access Window



VisionFS User Access Rights Window

User Access Rights [X]

Connected user:

UNIX Name: [v]

UNIX Group: [v]

☒ Authenticated
☐ Guest

Actions

☐ None
☒ Read-write
☐ Read only
☐ Write only
☐ Custom

Directories

☒ Create
☒ Delete
☒ Rename
☒ List

Files

☒ Create
☒ Delete
☒ Rename
☒ Open

☒ Read
☒ Write

Performed as UNIX user:

Name: [v] Group: [v]

[?] [OK] [Cancel] [Help]

VisionFS User Access Rights Window

User Access Rights [X]

Connected user:

UNIX Name: (any) [v]
UNIX Group: (any) [v]

☐ Authenticated
☒ Guest

Actions

☐ None
☐ Read-write
☒ Read only
☐ Write only
☐ Custom

Directories

☐ Create
☐ Delete
☐ Rename
☒ List

Files

☐ Create
☐ Delete
☐ Rename
☒ Open
☒ Read
☐ Write

Performed as UNIX user:

Name: cindy [v] Group: (enduser-group) [v]

[?] [OK] [Cancel] [Help]

VisionFS Shared Printer Properties Window

laser-101 Properties

General Access Commands Spooling

 Please type a name and comment for this share, give its name on the VisionFS server, and set its availability.

Printer Name:

Comment:

Share Name:

Availability

☒ Active	☒ Link?
☒ Browsable	☒ Link?

 OK Cancel Help

TermLite running SCOadmin

jupiter - SCO TermLite

Connect Edit Configure Help

Account Manager on jupiter

Host	Users	Groups	View	Options	Help
User Accounts on jupiter.compol			User Defaults Group Defaults		
Status	User	ID	Com		
*	adm	4	000	☐ Show Status ☒ Point Help	
	andrew	102			
	bin	2	0000-Admin(0000)		
	cindy	103			
	daemon	1	0000-Admin(0000)		
	listen	37	Network Admin		
	lp	7	0000-LP(0000)		
	mail	6	Mail Processes		
	mhsmail	61	MHS Admin Processes		
	noaccess	60002	uid no access		
	nobody	60001	uid no body		
	nuucp	10	0000-uucp(0000)		

Change the system defaults for groups

UNIX Network Status Commands

netstat -in

Name	Mtu	Network	Address	Ipkts	Ierrs	Opkts	Oerrs	Coll
net1	1500	132.147.67	132.147.67.4	31831	0	31831	63466	11
lo0	8232	127	127.0.0.1	542501	0	542501	0	0
atl0*	8232	none	none	No Statistics Available				

ifconfig -a

```
net0: flags=4043<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 132.147.67.4 netmask ffffffff broadcast 132.147.67.255
    perf. params: rcv size: 24576; send size: 24576; full-size frames: 1
    ether 02:07:01:19:53:0f
lo0: flags=4049<UP,LOOPBACK,RUNNING,MULTICAST> mtu 8232
    inet 127.0.0.1 netmask ff000000
    perf. params: rcv size: 57344; send size: 57344; full-size frames: 1
atl0: flags=404a<BROADCAST,LOOPBACK,RUNNING,MULTICAST> mtu 8232
    inet 0.0.0.0 netmask ff000000
    perf. params: rcv size: 4096; send size: 8192; full-size frames: 1
```

PC Network Status Commands

The image shows a Windows 'IP Configuration' dialog box. It is divided into two main sections: 'Host Information' and 'Ethernet Adapter Information'. The 'Host Information' section includes fields for 'Host Name' (SLIM), 'DNS Servers', 'Node Type' (Broadcast), 'NetBIOS Scope Id', and checkboxes for 'IP Routing Enabled', 'WINS Proxy Enabled', and 'NetBIOS Resolution Uses DNS'. The 'Ethernet Adapter Information' section features a dropdown menu for the network adapter (ELPC3R Ethernet Adapter) and fields for 'Adapter Address' (00-00-86-1E-21-F1), 'IP Address' (132.147.67.192), 'Subnet Mask' (255.255.255.0), 'Default Gateway', 'DHCP Server', 'Primary WINS Server', 'Secondary WINS Server', 'Lease Obtained', and 'Lease Expires'. At the bottom, there are buttons for 'OK', 'Release', 'Renew', 'Release All', and 'Renew All'.

Host Information	
Host Name	SLIM
DNS Servers	
Node Type	Broadcast
NetBIOS Scope Id	
IP Routing Enabled	☐
WINS Proxy Enabled	☐
NetBIOS Resolution Uses DNS	☐

Ethernet Adapter Information	
Ethernet Adapter	ELPC3R Ethernet Adapter
Adapter Address	00-00-86-1E-21-F1
IP Address	132.147.67.192
Subnet Mask	255.255.255.0
Default Gateway	
DHCP Server	
Primary WINS Server	
Secondary WINS Server	
Lease Obtained	
Lease Expires	

Buttons: OK, Release, Renew, Release All, Renew All

UNIX Hosts File

```
# more /etc/hosts
```

```
#      @(#)hosts,v 6.1 1993/08/21 02:17:48 stevea Exp - STREAMware TCP/IP
source
#      SCCS IDENTIFICATION
127.0.0.1    localhost
132.147.67.4    spider1  spider1.somedom.com
132.147.67.89   agape    agape.somedom.com
132.147.65.30   slim     slim.somedom.com
132.147.67.33   fuji     fuji.somedom.com
132.147.67.41   neccig    neccig.-somedom.com
```

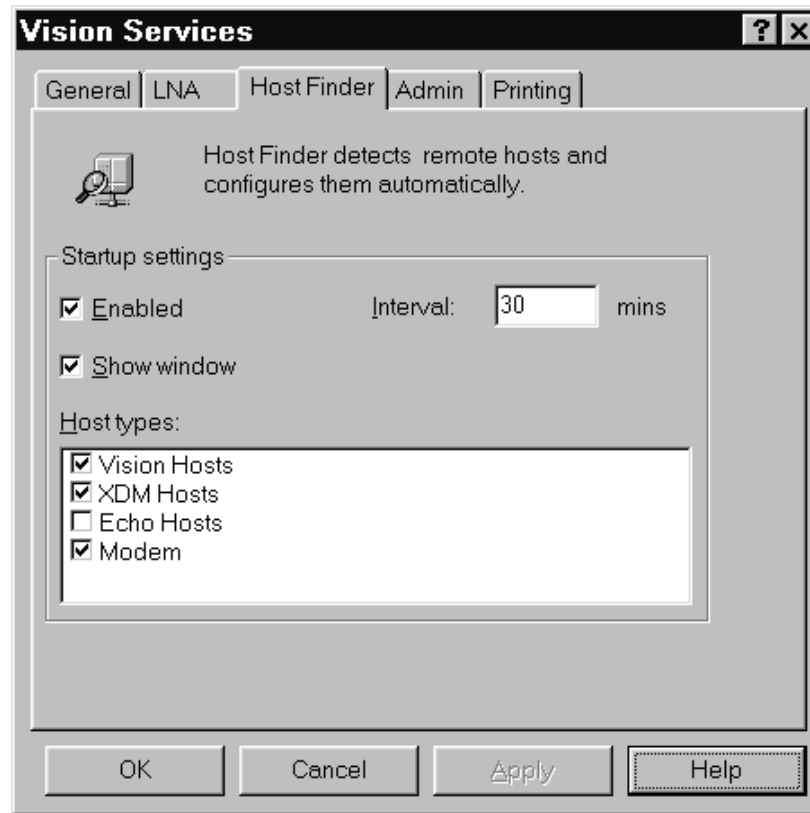
Windows Hosts File

```
c:\> type c:\windows\hosts
```

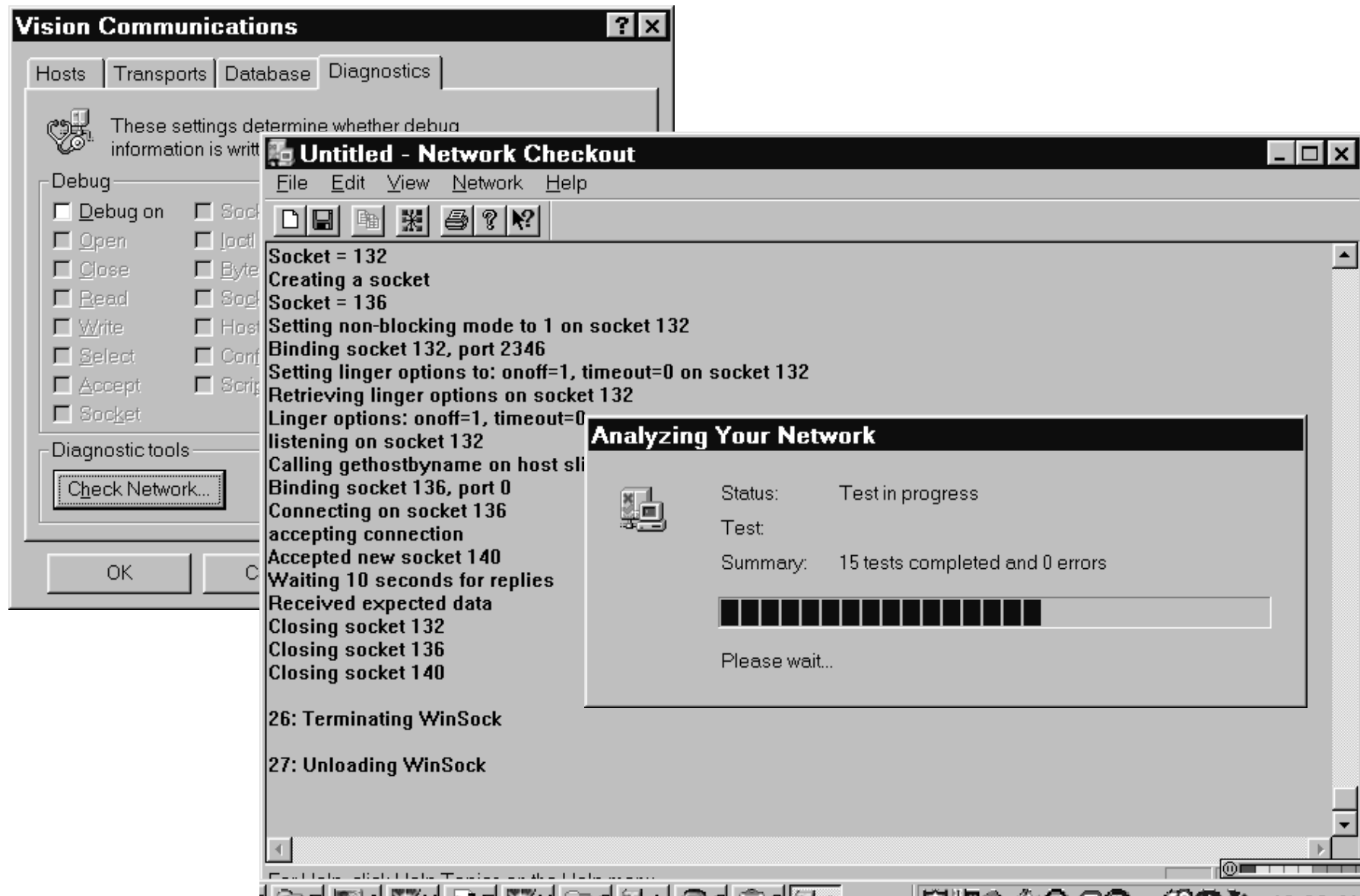
```
# Copyright (c) 1998 Microsoft Corp.
#
# This is a sample HOSTS file used by Microsoft TCP/IP stack for Windows98
#
# This file contains the mappings of IP addresses to host names. Each
# entry should be kept on an individual line. The IP address should
# be placed in the first column followed by the corresponding host name.
# The IP address and the host name should be separated by at least one
# space.
#
# Additionally, comments (such as these) may be inserted on individual
# lines or following the machine name denoted by a '#' symbol.
#
# For example:
#
#       102.54.94.97       rhino.acme.com       # source server
#       38.25.63.10       x.acme.com          # x client host

127.0.0.1       localhost
132.147.67.89    agape
132.147.65.30    slim
132.147.67.33    fuji
132.147.67.41    neccig
132.147.67.4     spider1
```

Vision2K Troubleshooting Tools



Vision2K Diagnostic Tools



Passwords

```
# cd /usr/vision  
# bin/visionfs status
```

```
SCO VisionFS 3.00.913 (Using OpenServer licensing)  
Server names: spider1  
Authentication: VisionFS (encrypted) passwords  
VisionFS Administrators: root  
The server is running.  
Connected users:  
Client, Users, Shares  
NECCIG, chris, read-only: \\SPIDER1\CHRIS  
SLIM, pat, no files open: \\SPIDER1\PAT
```