

Quick Installation Guide

Features

- Network based backup
- Server can handle concurrent backup sessions
- NTFS and FAT file system backup
- Backup of encrypted files, with out exposing your data
- Backup I-Pod, Pen drive, Camera etc. (raw file system)
- Single right click backup
- Multiple folder selection for backup
- Uses snapshot technology
- Integrated with Windows XP security
- Designate existing user as backup operator
- Compression for reduced disk space usage
- Selectively backup active profiles of Outlook emails, contacts, tasks.
- IntelliBoost technology to boost backup performance
- PKZIP format (open archive format), supports 64 bit fields i.e. very large archive can be created
- Backup of Internet explorer favorites, thru 'Internet Explorer'
- Works over both wired and wireless networks.

Installation prerequisite

- Operating system, Windows XP SP2
- Microsoft .NET Framework 2.0
- Windows Installer 3.1
- Backup Client:
 - a. Minimum memory: 12Mb
 - b. About 800 Mb of virtual memory
- Backup Server:
 - a. Minimum memory: 12Mb memory
 - b. About 800 Mb of virtual memory
 - c. Enough free disk space for backup on backup drive

Installation steps for 'Home users'

If you are using networked machines please see "Installation steps for 'Small businesses'".

Backup of standalone machine:

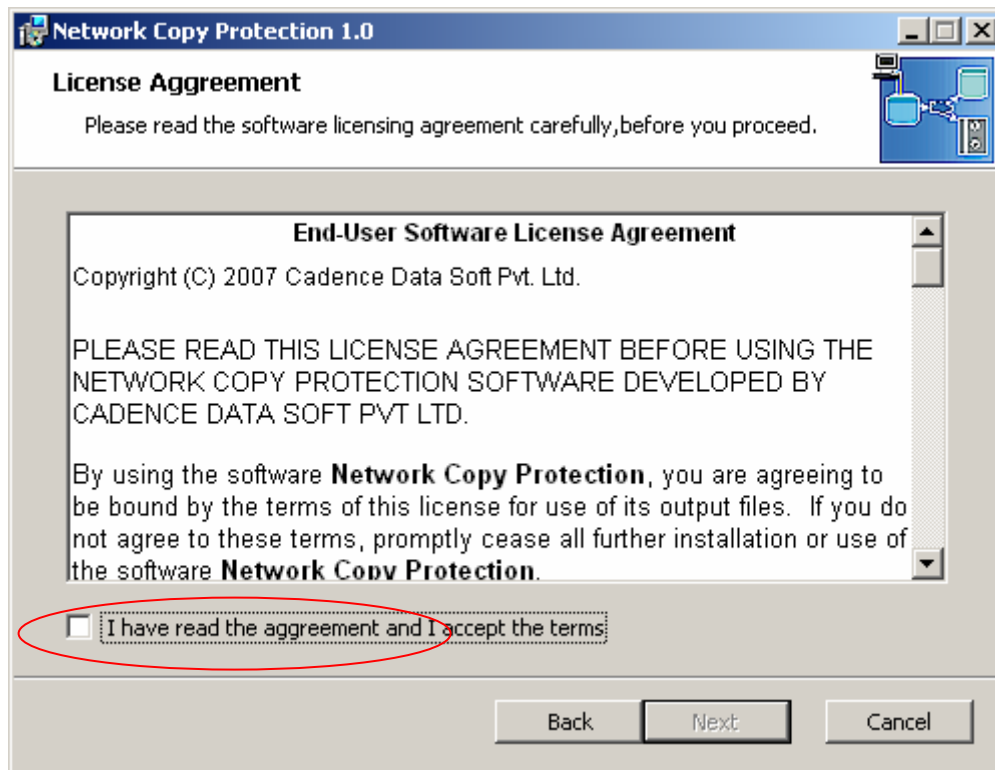
Step 1:

Verify all the prerequisite for both client and server are listed in section "Installation prerequisite" are met by your system. If you are trying to install this

software on Windows server 2003 it will not work properly, a version for Windows 2003 and Windows Vista will be released shortly”

Step 2:

Double click on SetupNcp.msi and follow the installation instructions as shown by the installation wizard. On the License Agreement screen please **read the License Agreement** carefully before you accept and proceed with further installation steps.



Step 3:

For 15 days Free trial please use all **'1'** for CD-Key. Please see bottom of this document for more details on CDS-Key.

Network Copy Protection 1.0

Customer Information

Please enter your customer information

User Name:

Organization:

CD Key:

Step 4:

From "Customize Installation" please select complete installation and then follow the installation instruction on your screen.

Network Copy Protection 1.0

Customize installation

Please select appropriate option below

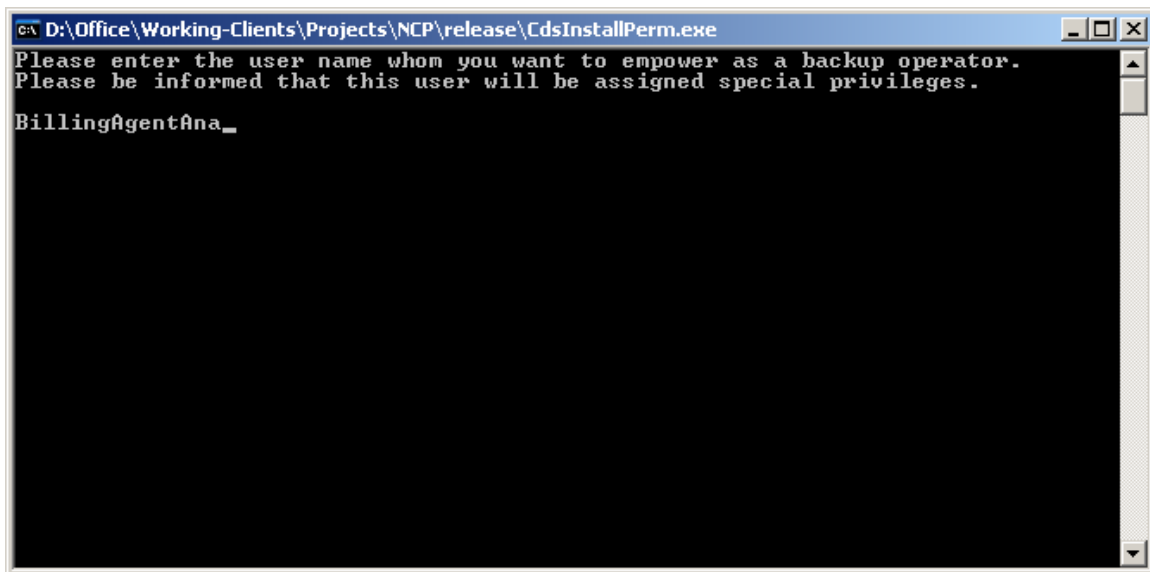
 **Typical**
Typical installation will install only "Network Copy Protection - Client"

 **Custom**
Custom installation will allow you to choose modules you want to install

 **Complete**
Complete installation will install all the modules and documentations of "Network Copy Protection" software

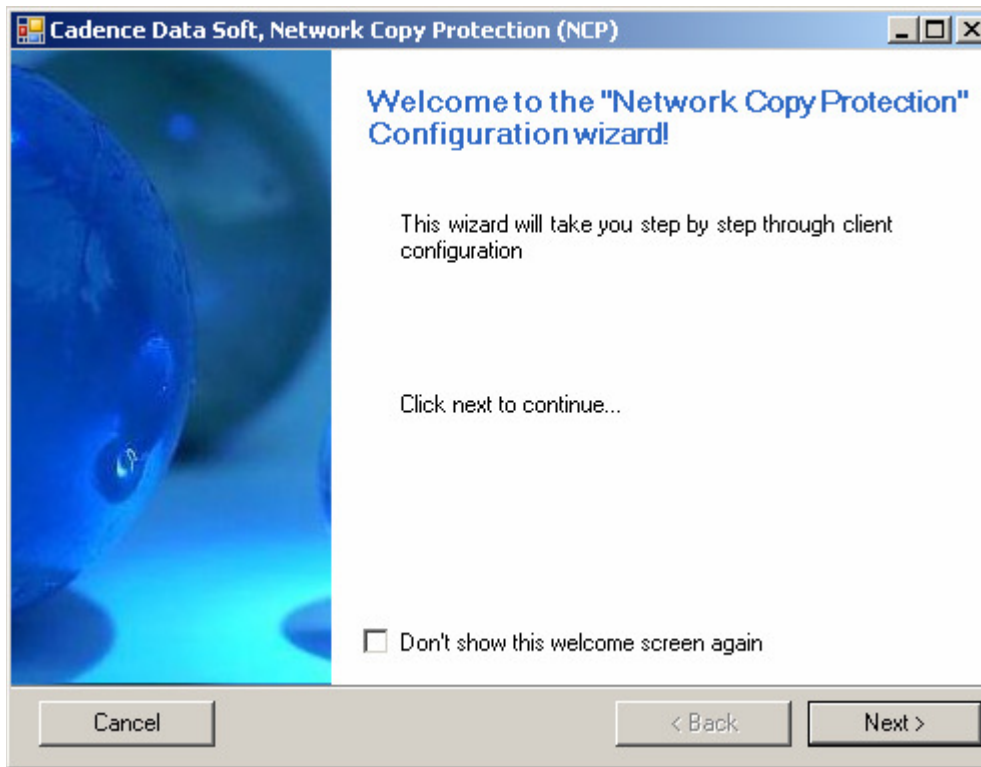
Step 5:

On the installation complete screen click on finish, this will pop up a dos box. Please provide user name to grant "Backup permissions".



Step 6:

After you successfully complete above steps, a configuration wizard will pop up with follow screen, click next.



Step 7:

Default settings shown below on “Client configuration” screen are good enough, if you are using this software on the machine not connected to network.

If you are using it over network, you need to ensure that you client and server are both configured with same port number. However control port and data port should be different.

Cadence Data Soft, Network Copy Protection (NCP)

Client Configuration
Server Name and Port numbers

Network Configuration - Copy server name
localhost

Please enter NCP server name/ip address, ensure that server is already installed
If firewall is installed on server make sure that ports listed below are open

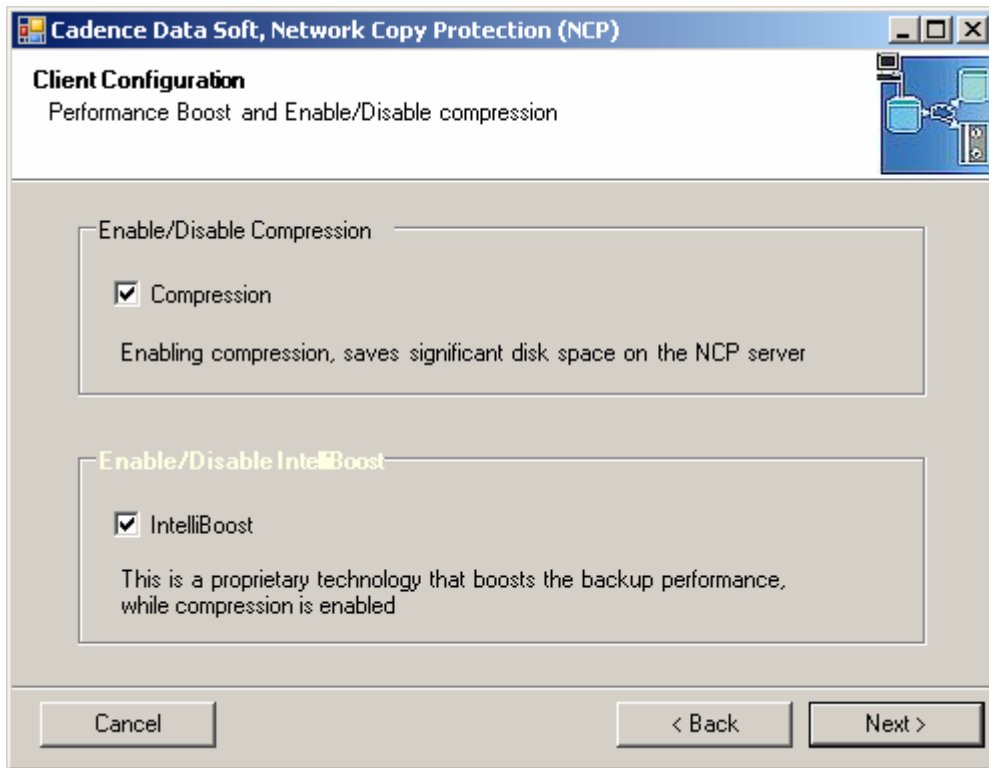
Network Configuration - Control port
10000
Port range 1024 to 49151

Network Configuration - Data port
10002
Port range 1024 to 49151

Cancel < Back Next >

Step 8:

Default settings shown below in the “Client configuration” are good enough. If you prefer backup speed over disk space utilization, uncheck compression. IntelliBoost strikes balance between backup speed and disk space utilization.



Step 9:

Ideally this setting should be a folder on a drive that is dedicated for backup. If you do not have dedicated drives for backup, choose a non system drive with large free disk space. Click on the button show in the picture which is circled with yellow to choose a drive and folder.

Cadence Data Soft, Network Copy Protection (NCP)

Server Configuration
Provide base path for server to backup data

Fully qualified path

C:\CDS\ArchiveRepo\

Please enter the root path from where application starts organizing backup sets
eg. D:\CDS\ArchiveRepo\ if the directory does not exist, it will be created.

The drive your select should be Non system drive (typicall system drive is C:) also make sure that you have enough free disk space on this drive

Cancel < Back Next >

Step 10:

You can click 'Next' if you do not want to separately backup outlook files. If you do want to, enter user name and password of user(s) on this computer and click next, this will give you list of profiles associated the current user.

Cadence Data Soft, Network Copy Protection (NCP)

Outlook Configuration
Please enter machine user account and password

Provide credential to backup emails, contacts etc. for specified user

User1

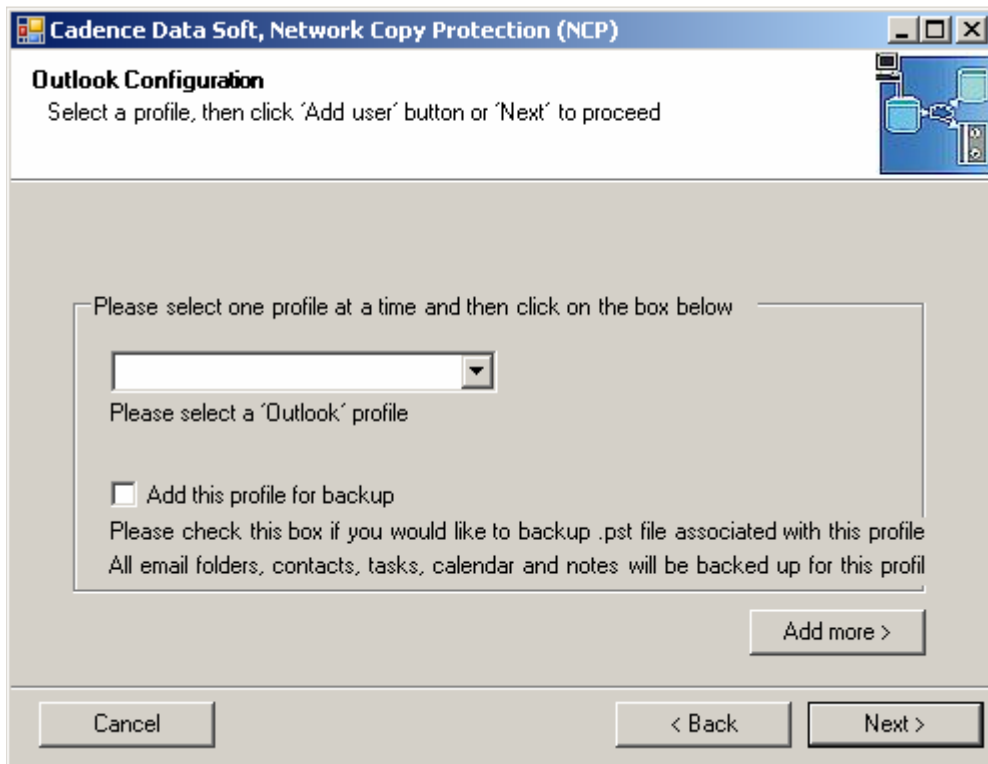
Password for User1

Your password will not be saved by this software.

Cancel < Back Next >

Step 11:

Select the profile for backup from the list and then click on the check box, if you have more than one profile repeat this for all the profiles in the list. If you have more than one user click "Add more", else click next and continue till you hit the finish button.



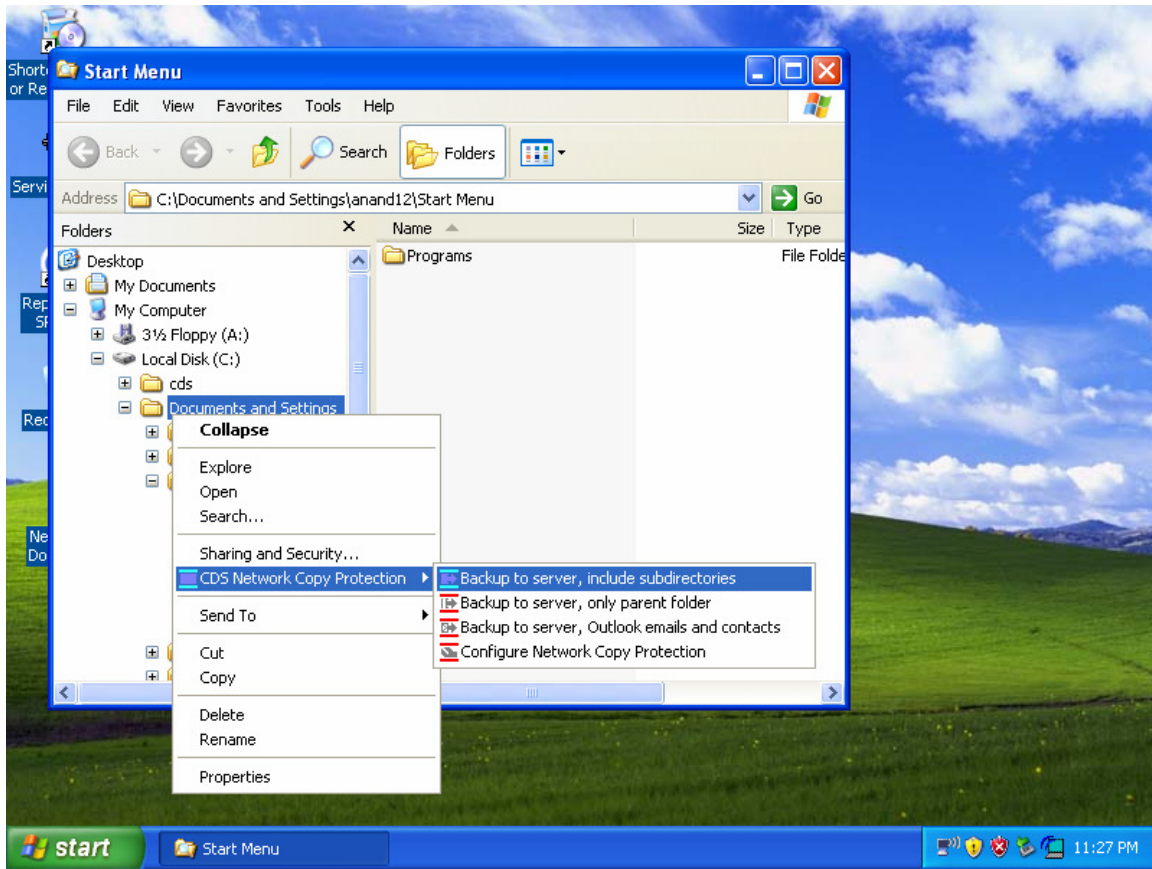
This will complete installation, Assigning privileges to backup user and Configuration of your application. Now you are ready to perform your first backup and restore operation.

How to use Network Copy Protection - Home Users

Your network copy protection is integrated with explorer for intuitive experience.

To Backup:

- Open an explorer window and select a folder that you would like to backup.
- Right click on it, this will show you "CDS Network Copy Protection menu".
- Move mouse cursor on it, this will show you four sub menus.
- Select 1st sub menu, "Backup all Subdirectories".



This will kick off backup of that folder and all the directories under it. Your backup will be saved under the base path configured for backup server (see step 9 above). The hierarchy inside will have folder with machine name, followed by the user who initiated the backup and finally entire path of the source folder as folder name. This folder will have file named with time stamp eg.

D:\CDS4\ArchiveRepo\localhost\Temp\C__Documents and Settings_Temp_Start Menu_\Mon-Nov-12-2007-09_22_38_PM.zip

To Restore:

From Start->All Programs->Network Copy Protection select "Restore Application" This will launch Network Copy Protection 1.0 Restore application and you will see following screen.

Network Copy Protection 1.0

Tools Settings

Step 1: Provide Map Drive Settings, if restoring to remote machine

Share Address: \\MYCOMPUTER\C\$ Map Drive

Map to Drive: Z: UnMap Drive

Username:

Password:

Options: ☒ Persistant connection ☐ Force dis/connetion
☐ Prompt for credentials ☐ Save credentials

Step 2: Select Network Copy Protection Archive (.zip)

Archive File: D:\CD54\ArchiveRepo\ ...

Temporary Folder: C:\Documents and Settings\Anand\Local Settings' ...

Target Folder: ...

Temporary folder should have enough disk space to extract the selected archive

Step 3: Verify Source, Temporary, Target folder and click on Extract

☐ Choose files manually Restore

...

- Map a network drive using Step 1 if you are doing local restore ignore this step.
- In Step 2 provide archive file name form which you would like to restore.
 - Provide target folder name where you would like to restore files.
- Click on restore.
- If you would like to restore only the files of your interest, click on check box “Choose files manually”, this will enable the “Temporary Folder” text box, provide folder name where application can perform temporary restore and then click “Restore” button from Step 3(for security reasons provide a folder that has only administrative access rights).

This will complete restore! If “Choose files manually” was checked, two explorer windows will popup and your can perform drag and drop of your files.

Installation steps for 'Small Businesses'

Network copy protection is well integrated with security features of Microsoft Windows XP. Which means only designated users can perform backup operation of all the data created by one or more users. However he will not be able to change the configuration unless he is an administrator of the machine. He also will not be allowed to stop or start Network copy protection services unless he has been explicitly granted those permissions by the administrator of the machine, in addition to the permissions granted by Network Copy Protection on behalf of administrator.

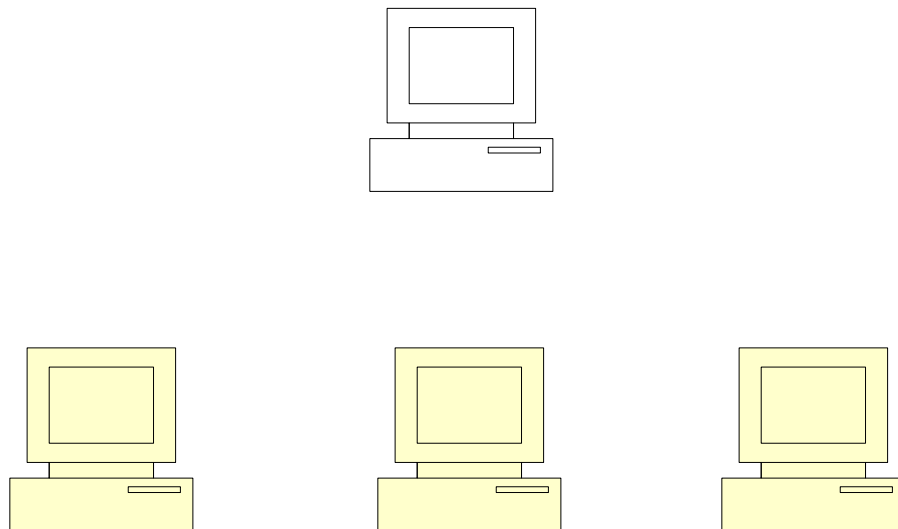
In the following picture white computer is server and yellow computers are the computers whose data we want to protect, lets call them clients.

Install following modules on the server:

- 1) Backup server
- 2) Configuration Application
- 3) Restore Application
- 4) Backup Client (optional)
- 5) Outlook (optional)
- 6) User Manual

Install following modules on machines that you would like to protect (client).

- 1) Backup Client
- 2) Outlook (optional)
- 3) Configuration Application
- 4) User Manual



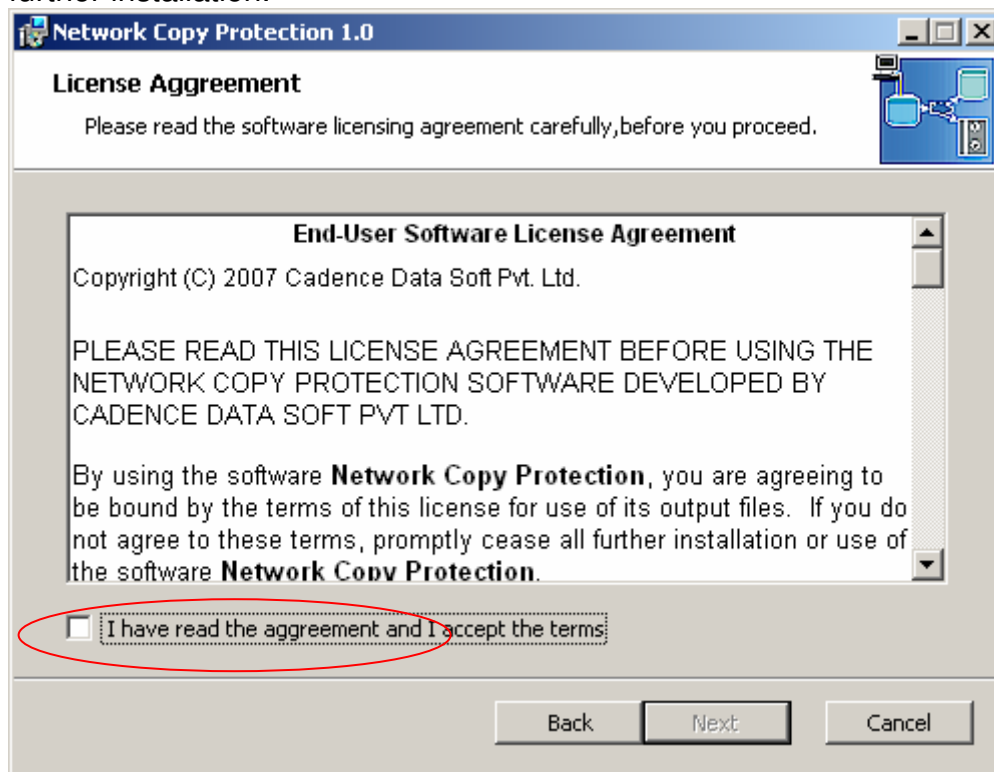
Backup of networked machines:

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Step 3:

For 15 days Free trial please use all '1' for CD-Key. Please see bottom of this document for more details on CDS-Key.

Network Copy Protection 1.0

Customer Information

Please enter your customer information

User Name:

Organization:

CD Key:

Step 4:

From "Customize Installation" please select complete installation to quickly install a server (on white machine). For all the yellow machines or clients choose typical installation. If you are an advance user your can click on custom.

Network Copy Protection 1.0

Customize installation

Please select appropriate option below

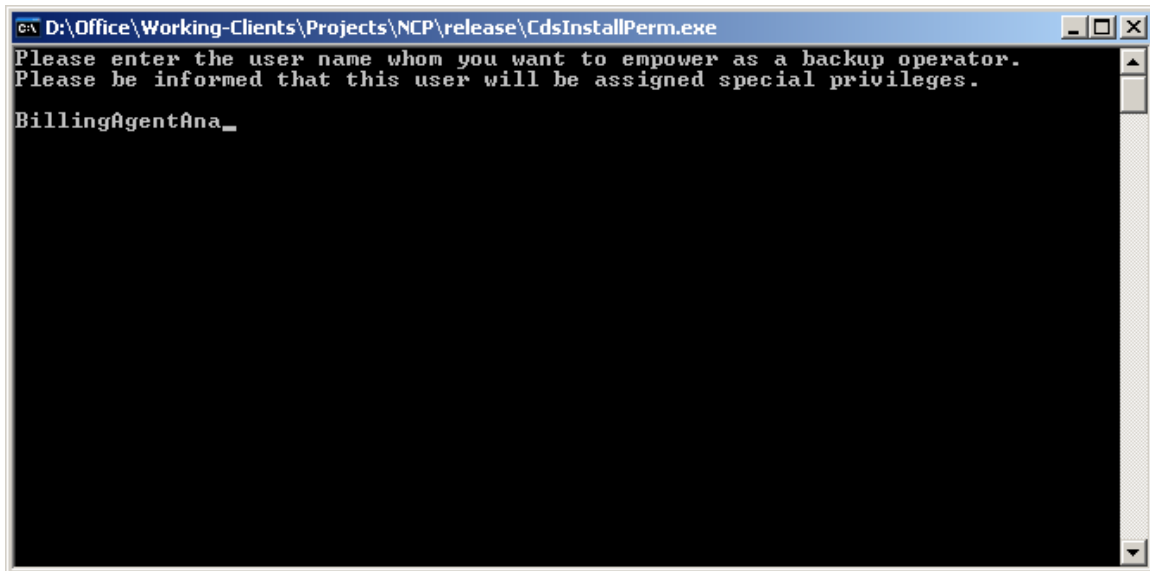
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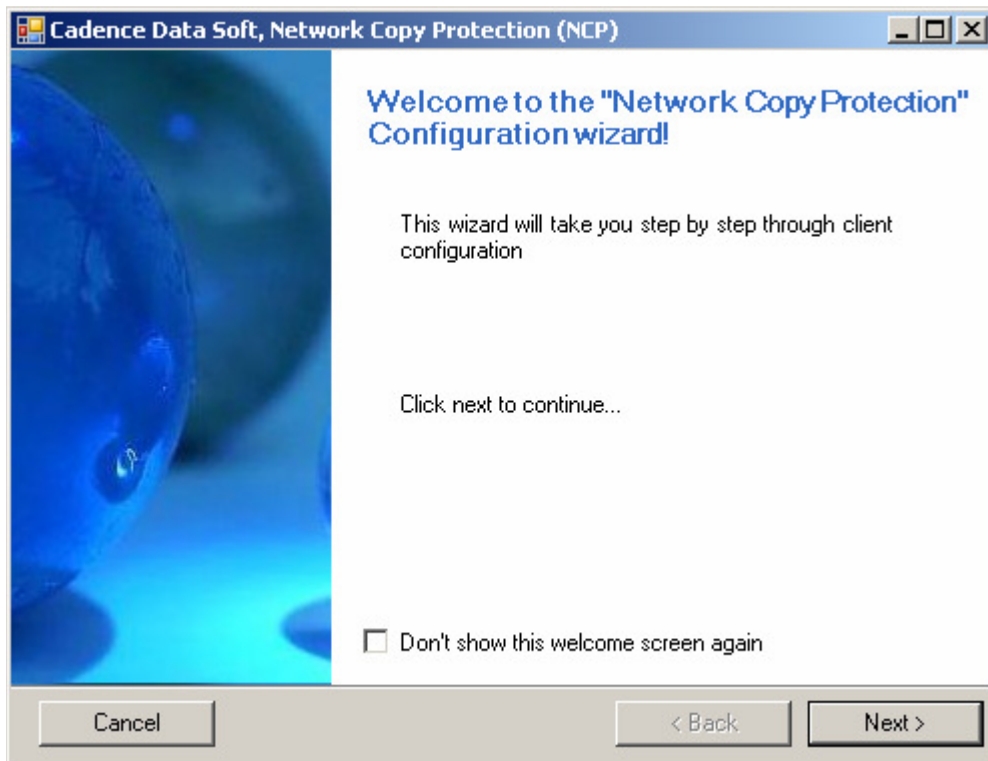
Step 5:

On the installation complete screen click on finish, this will pop up a dos box. Please provide user name to grant "Backup permissions". This is must if you would like to designate an existing user as backup.



Step 6:

After you successfully complete above steps, a configuration wizard will automatically popup with following screen. Please click next.



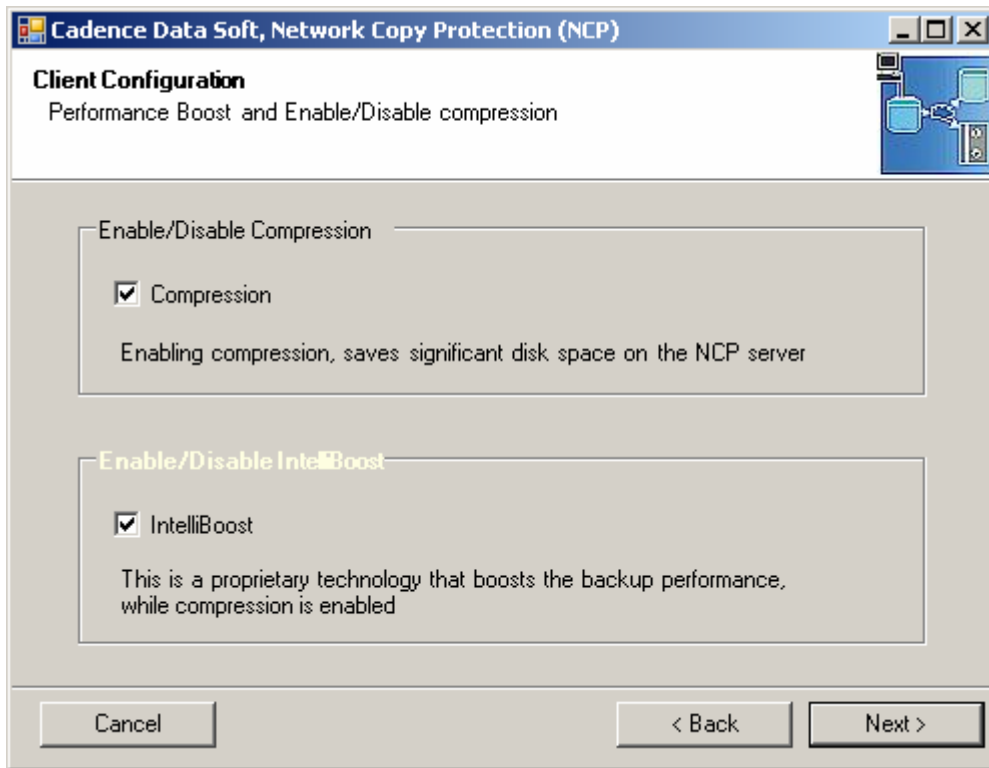
Step 7:

You need to ensure that your client and server are both configured with same port numbers. However control port and data port should be different. In the following screen replace localhost with the name of white machine.

The screenshot shows a Windows-style dialog box titled "Cadence Data Soft, Network Copy Protection (NCP)". Inside, the "Client Configuration" section is active, with the subtitle "Server Name and Port numbers". A small icon of a network setup is in the top right corner. The main area contains three input fields: "Network Configuration - Copy server name" with the text "localhost", "Network Configuration - Control port" with the value "10000", and "Network Configuration - Data port" with the value "10002". Below the first field is a note: "Please enter NCP server name/ip address, ensure that server is already installed. If firewall is installed on server make sure that ports listed below are open". Below the port fields is the text "Port range 1024 to 49151". At the bottom are three buttons: "Cancel", "< Back", and "Next >".

Step 8:

Default settings shown below in the "Client configuration" are good enough. If you prefer backup speed over disk space utilization, uncheck compression. IntelliBoost strikes balance between backup speed and disk space utilization.



Step 9:

Ideally this setting should be a folder on a drive that is dedicated for backup. If you do not have dedicated drives for backup choose a non system drive with large free disk space. Click on the button show in the picture which is circled with yellow to choose drive and folder.

Cadence Data Soft, Network Copy Protection (NCP)

Server Configuration
Provide base path for server to backup data

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Cancel < Back Next >

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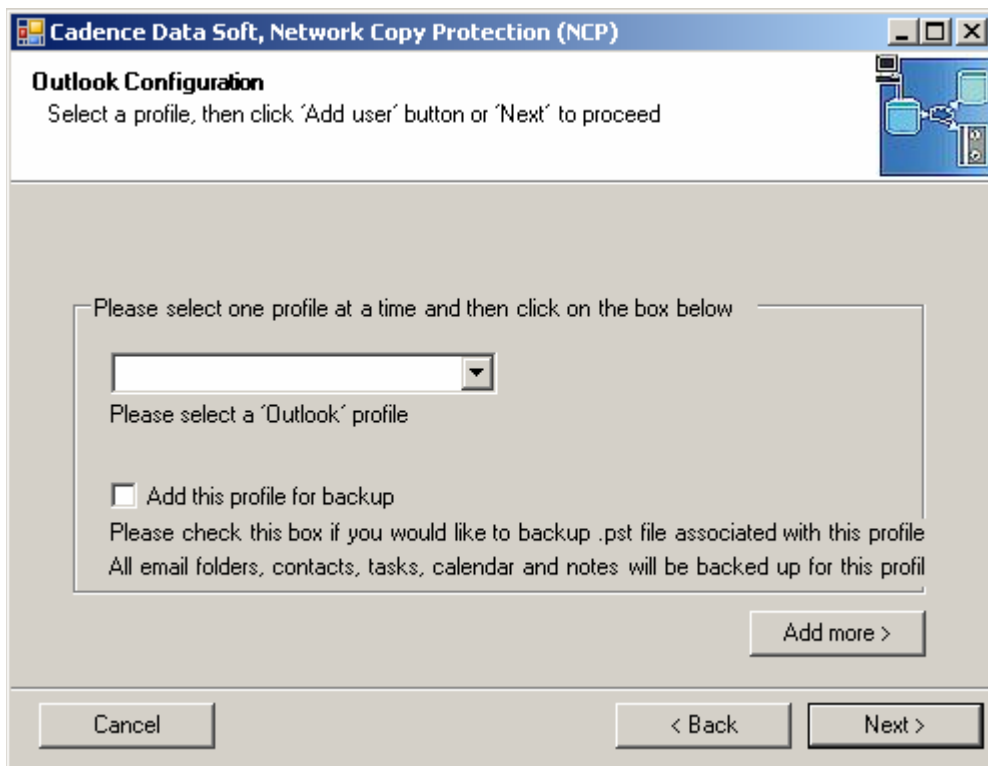
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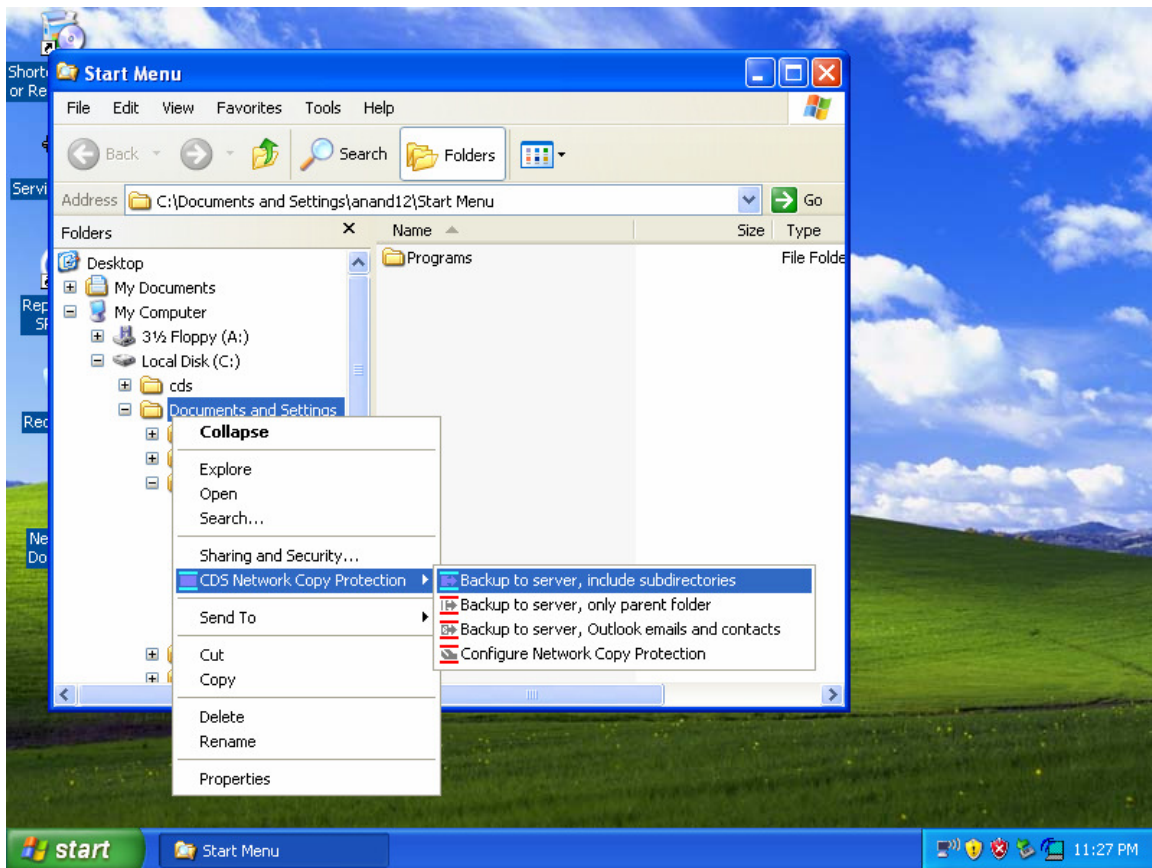
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- Right click on it, this will show you “CDS Network Copy Protection menu”.
- Move mouse cursor on it, this will show you four sub menus.
- Select 1st sub menu, “Backup to server, include subdirectories”.

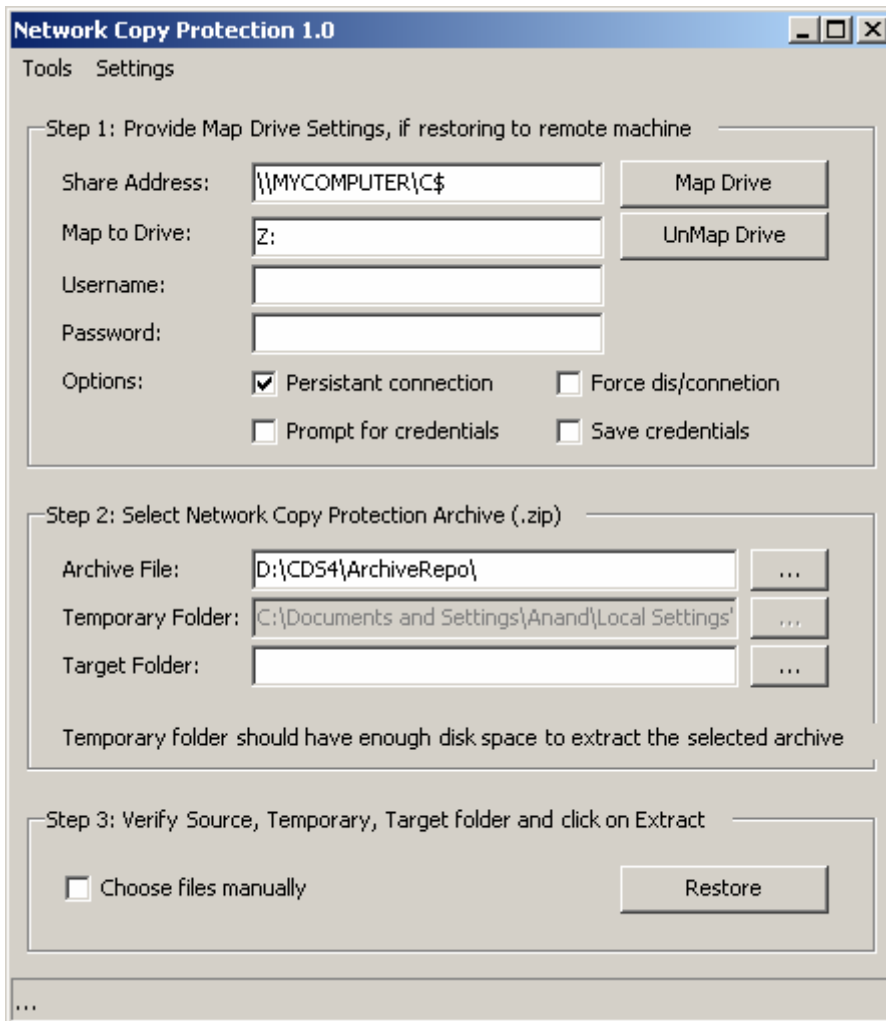


This will kick-off backup of that folder and all the directories under it. Your backup will be saved under the base path configured for backup server (see step 9 above).

The hierarchy inside will have folder with machine name, followed by the user who initiated the backup and finally entire path of the source folder as folder name. This folder will have file named with time stamp eg.
D:\CDS4\ArchiveRepo\localhost\Temp\C__Documents and Settings_Temp_Start Menu_Mon-Nov-12-2007-09_22_38_PM.zip

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Network Copy Protection 1.0

Tools Settings

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Share Address: \\MYCOMPUTER\C\$ Map Drive

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Temporary folder should have enough disk space to extract the selected archive

Step 3: Verify Source, Temporary, Target folder and click on Extract

☐ Choose files manually Restore

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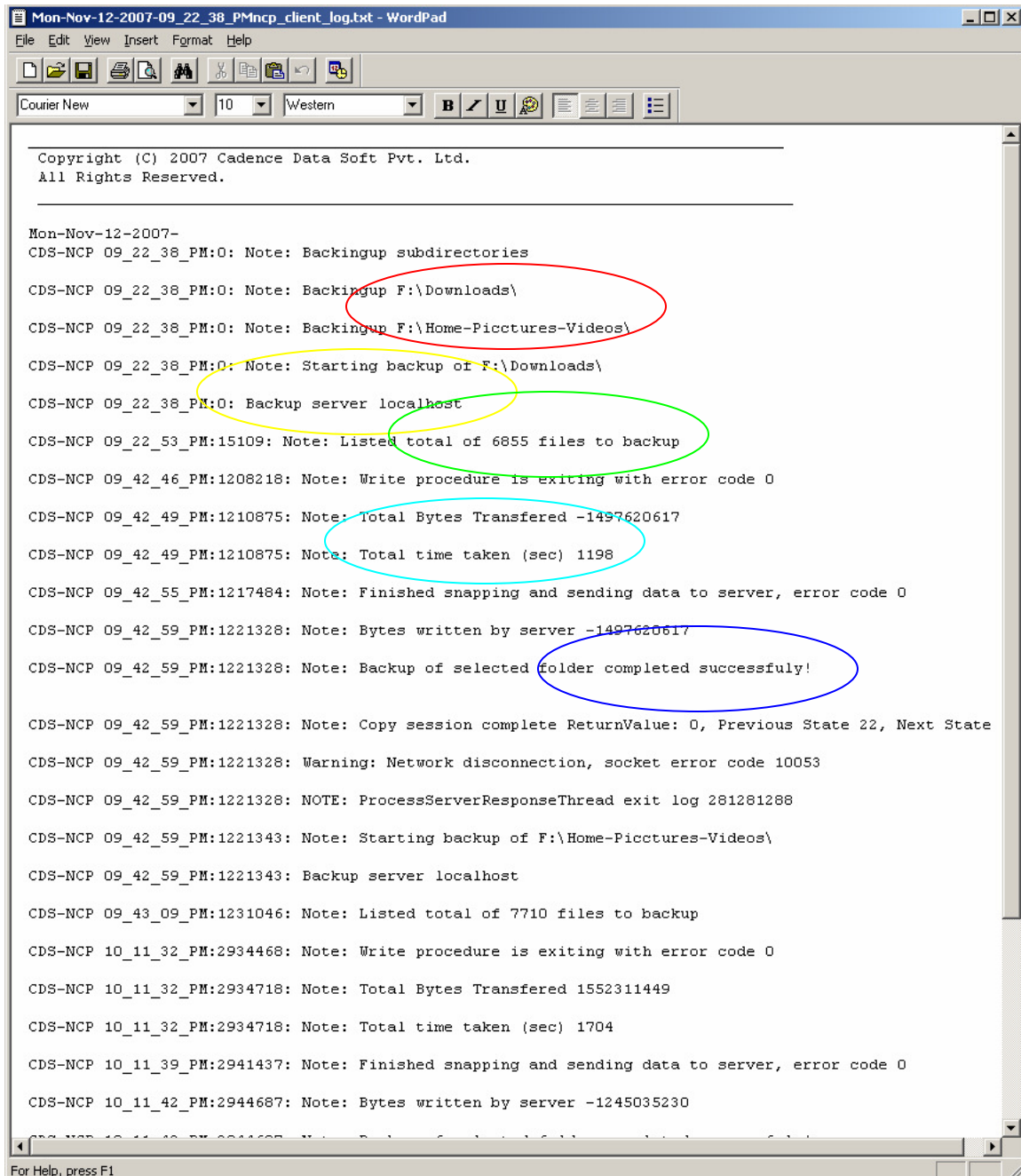
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This will complete restore! If “Choose files manually” was checked two explorer windows will popup and your can perform drag and drop of your files.

Reading Log File

Your application will generate log files under your installation folder\CADENCE\Network Copy Protection\Logs for example C:\Program Files\CADENCE\Network Copy Protection\logs.

Your log file is named as time stamp + nature of operation. For example xxxclient_log.txt will hold logs for backup, restore_log will hold restore logs, please see the title bar of the following window. Also note that logs are better viewed with WordPad rather than notepad. You require server logs only when you are requesting for support.



```
Mon-Nov-12-2007-09_22_38_PMncp_client_log.txt - WordPad
File Edit View Insert Format Help
Courier New 10 Western B I U
Copyright (C) 2007 Cadence Data Soft Pvt. Ltd.
All Rights Reserved.

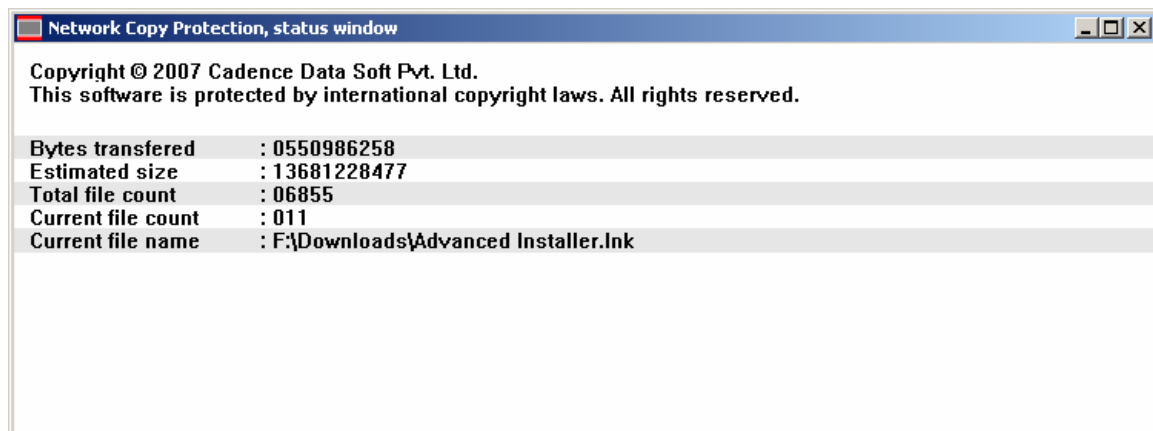
Mon-Nov-12-2007-
CDS-NCP 09_22_38_PM:0: Note: Backingup subdirectories
CDS-NCP 09_22_38_PM:0: Note: Backingup F:\Downloads\
CDS-NCP 09_22_38_PM:0: Note: Backingup F:\Home-Pictures-Videos\
CDS-NCP 09_22_38_PM:0: Note: Starting backup of F:\Downloads\
CDS-NCP 09_22_38_PM:0: Backup server localhost
CDS-NCP 09_22_53_PM:15109: Note: Listed total of 6855 files to backup
CDS-NCP 09_42_46_PM:1208218: Note: Write procedure is exiting with error code 0
CDS-NCP 09_42_49_PM:1210875: Note: Total Bytes Transfered -1497620617
CDS-NCP 09_42_49_PM:1210875: Note: Total time taken (sec) 1198
CDS-NCP 09_42_55_PM:1217484: Note: Finished snapping and sending data to server, error code 0
CDS-NCP 09_42_59_PM:1221328: Note: Bytes written by server -1497620617
CDS-NCP 09_42_59_PM:1221328: Note: Backup of selected folder completed successfully!
CDS-NCP 09_42_59_PM:1221328: Note: Copy session complete ReturnValue: 0, Previous State 22, Next State
CDS-NCP 09_42_59_PM:1221328: Warning: Network disconnection, socket error code 10053
CDS-NCP 09_42_59_PM:1221328: NOTE: ProcessServerResponseThread exit log 281281288
CDS-NCP 09_42_59_PM:1221343: Note: Starting backup of F:\Home-Pictures-Videos\
CDS-NCP 09_42_59_PM:1221343: Backup server localhost
CDS-NCP 09_43_09_PM:1231046: Note: Listed total of 7710 files to backup
CDS-NCP 10_11_32_PM:2934468: Note: Write procedure is exiting with error code 0
CDS-NCP 10_11_32_PM:2934718: Note: Total Bytes Transfered 1552311449
CDS-NCP 10_11_32_PM:2934718: Note: Total time taken (sec) 1704
CDS-NCP 10_11_39_PM:2941437: Note: Finished snapping and sending data to server, error code 0
CDS-NCP 10_11_42_PM:2944687: Note: Bytes written by server -1245035230
CDS-NCP 10_11_42_PM:2944687: Note: Backup of selected folder completed successfully!
```

Please carefully look at the circled information in the picture above

- Folders submitted for backup – Circled in red.
- Backup server name where data was transferred - Circled in yellow.
- Total files backed up – Circled in green
- Total time take for operation – Circled in light blue.
- Status of operation – Circled in Blue.

Backup Status Tray Icon

When a backup is submitted, Network copy protection will display an animated icon on the system tray, typically on bottom right corner of your screen. If you right click on this icon your will two menus “Show” and “About”, click on Show to display current status of on going backup. On completion of backup this animated icon disappears.



Troubleshooting

Your product is well tested during development and before release. However our engineering team has observed that most errors occur due to incorrect configuration.

1) *Animated icon comes and disappears immediately*

This may happen if your network configuration is incorrect or you have a firewall running on either server or client.

Please verify that your configuration had completed successfully. Please make sure “CDS Network Copy Protection Server” is running on the remote machine. If it is running please verify that both client and server are configured with same ports as that of client. Your configuration utility only checks for network host reachable, before new configuration are saved.

2) *My configuration of backup client for backup server fails*

This happens because the server is not available on the network or server name is misspelled. If it still doesn't work try keying IP address of the server.

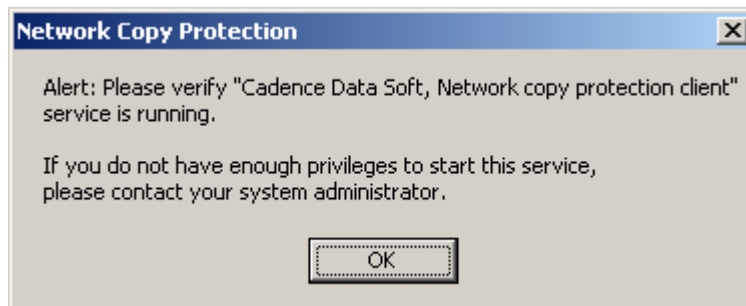
- 3) *My configuration of backup client, for backup server succeeds but there is no effect.*

In order for configuration to take effect the service needs to be restarted or if you don't know how to restart service reboot your machine.

- 4) *It takes some time for status window to display data statistics*

This happens because your application, by design takes a snapshot of your data before backing it up. Snapshot creation takes some time.

- 5) *Unable to submit a job while animated icon is displayed on the screen and following dialog is displayed.*



This happens because your application can process one job at a time, however you can select up to 8 folders at time while submitting a job.

- 6) *Animated icon is not seen, if I submit job again I see above dialog.*

This could happen when more than one user has simultaneously logged on.

If you are not the only user who has logged on it is possible that the icon is wrongly displayed on the other users desktop and the backup is already running. This is applications current limitation.

Support Info

Email: **support@cadencedatasoft.com**

Phone:

United States: **+1 (408) 512-1428**

India: **+91 9764 469 518**

[Network Copy Protection software comes with no license check, if you like the product, please buy a copy. If you cannot afford the price please let us know. -- Thank you, Cadence Data Soft Team]