

entrée. .BAK

System Guide

entrée .BAK

BACKUP YOUR ENTRÉE DATA

- ✓ Back up your critical data to a local computer
- ✓ Link to remote back-up servers in NECS data center
- ✓ Search and restore by filename, original file location, filesize, or last modified date
- ✓ Each backup set is compressed and highly encrypted for added security and efficiency



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Covers System features of entrée.BAK

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BAK

Chapter 1

entrée.BAK Introduction

1 entrée.BAK Introduction

The **entrée.BAK** software module is a special backup system from **NECS** designed to easily backup and restore your company's precious **entrée** data. This system guide will cover the installation and use of both the **entrée.BAK Client** and the **entrée.BAK Server** areas of this software module.



entrée.BAK can backup your **entrée** system data to a local computer, or optionally to our remote backup servers at a secure data center. Your backup schedule can be automated so that backups are made whenever you decide. They can also be made while the **entrée** system is in use. Backup sets can be searched and restored by file name, original file location, file size, or last modified date. Local backups employ a FIFO [First In, First Out] rotating disk space quota -you allocate how much disk space your backups may take on your local system.

Using Remote Servers

Many system administrators find that backing up to a remote server is actually more reliable, easier and quicker than using a traditional tape based system. Notifications can be emailed to you when backup sets have been received successfully by our remote backup servers. So if disaster strikes your location, or your backup tapes are destroyed or don't work correctly... having a remote copy will ensure you get your business back online quickly.

Data Security

entrée.BAK both encrypts your data and compresses into a file that only takes a fraction of the disk space of the original **entrée** data file. This ensures your data is secure, and makes the upload process to the remote server fast.



If you would like more information related to pricing or a specific quote for your company's needs, please contact the **NECS Sales** by calling **203.245.3999** or email sales@necs.com. Please visit our website at necs.com to learn about our other add-on modules, products and services.

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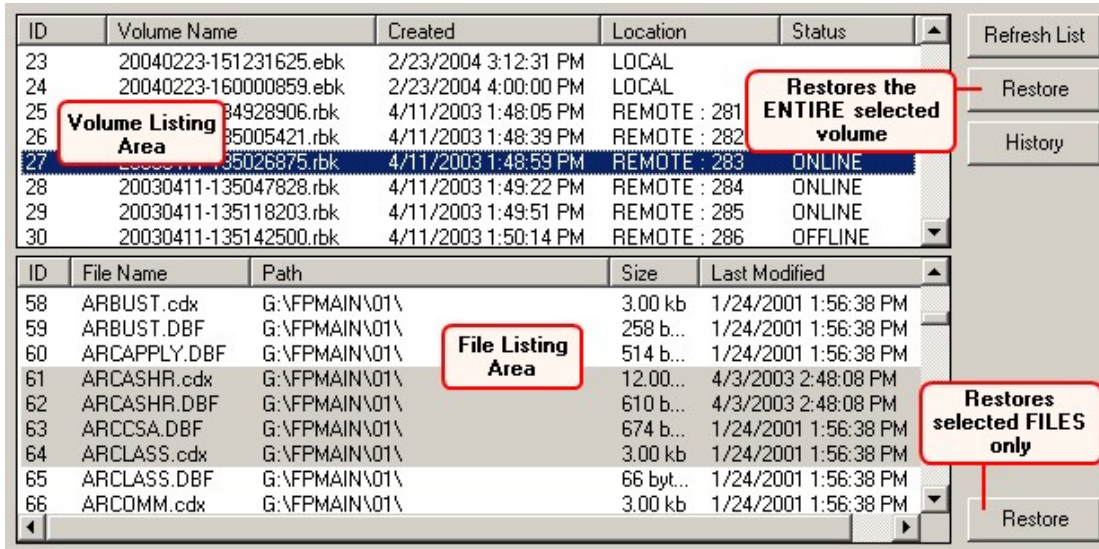
Office Hours: Monday - Friday from 8:30AM EST - 5:30PM EST

Phone: 203.245.3999 **Toll Free:** 800.766.6327 (NECS) **Fax:** 203.245.4513

1.1 Product Features

Browse

The 'Browse' feature of **entrée.BAK** makes viewing, finding and restoring your backup volumes easy.

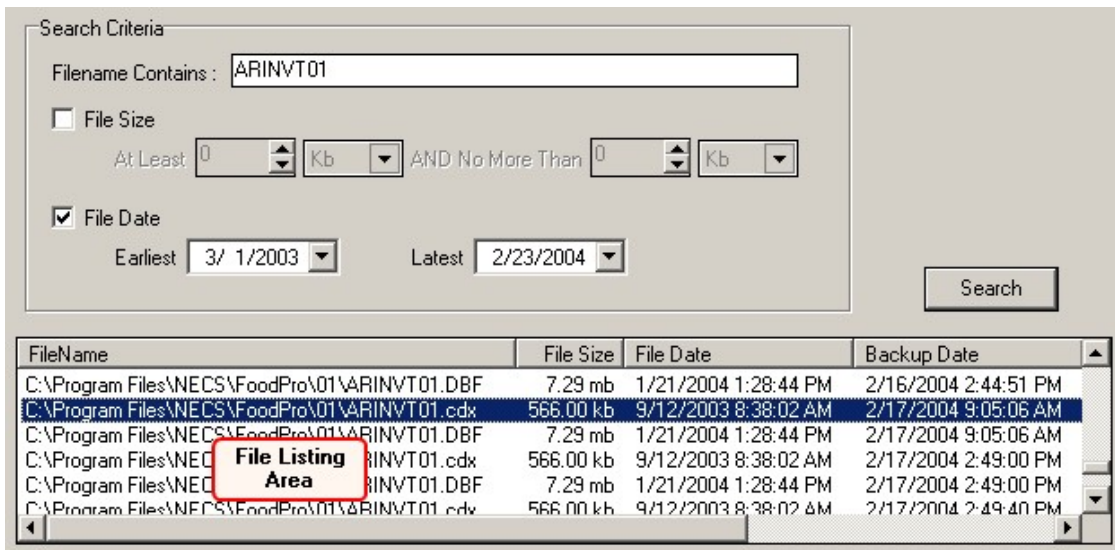


Here you can view a list of all available backup volumes, both 'local' and 'remote', as well as a date/time stamp of when each volume was created.

When a backup volume is selected, its contents are displayed in the file listing area. If a selective restoration needs to be performed, the files to restore are selected from the file listing area. This is ideal if you only need to restore specific files that may have been deleted or corrupted.

Search

When trying to locate specific files that have been previously backed up to a local or remote backup, the 'Search' feature can be used. The search results can be useful in determining where to find particular files to be restored.



When searching for files, you can use three parameters:

1. **Filename Contains:** Enter all or part of the file name to search for in this field. Any file with a filename matching the text entered in this field will be displayed.
2. **File Size:** The file size option allows the user to restrict the number of files that are displayed in the file listing area by entering a minimum and maximum file size.
3. **File Date:** The file date option allows the user to restrict the number of files that are displayed by entering a date range, in which the last modified date of the file must fall in.

Scheduler

The backup scheduler enables the entrée.BAK Server to perform unattended backups automatically, based on a user-defined schedule.

Sun
Event1 - SINGLE
Mon
Event1 - SINGLE
Event2 - RECURRING
Tue
Event1 - SINGLE
Event2 - RECURRING
Wed
Event1 - SINGLE
Event2 - RECURRING
Thu
Event1 - SINGLE
Event2 - RECURRING
Fri
Event Tree
Event1 - SINGLE

Backup Scheduler Enabled

Event Properties

Purge temp files

Include history files. These files [ARY*.xxx] will GREATLY increase archive size.

Send backup data to remote server

Single Event
Please select the time of day backup will occur : 12:00 AM PM

Recurring Event
Please select how frequently to backup : every 15 minutes [starting 12:00 AM]

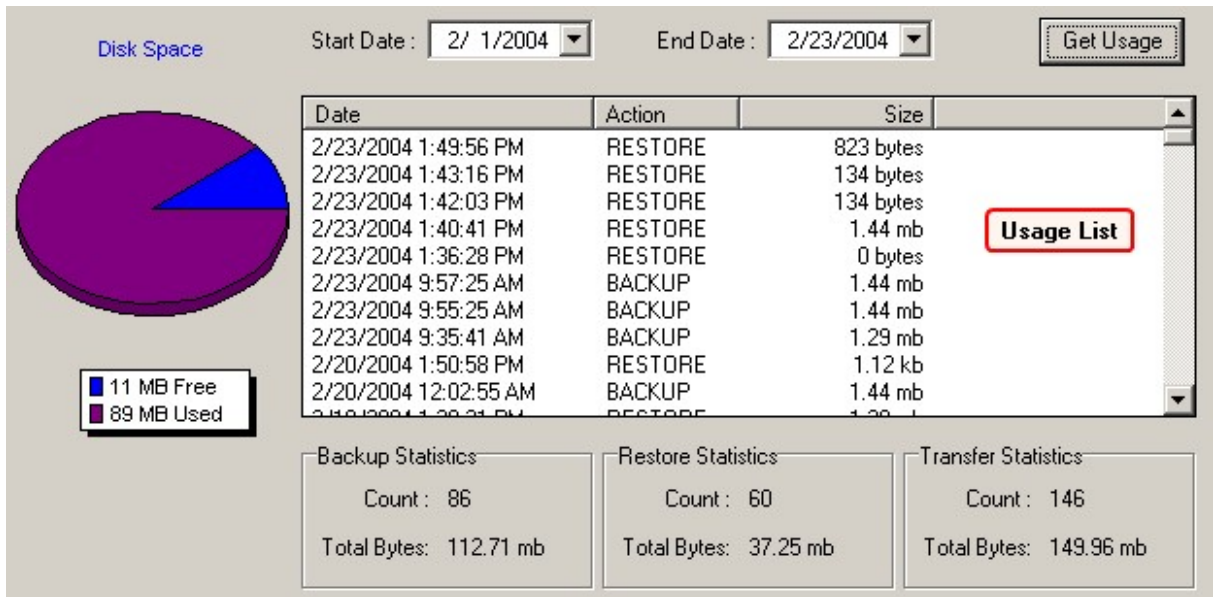
Refresh Save

There are five 'Event Properties' you can define related to automating your backups:

1. **Purge Temp Files:** Enable this option if entrée temp files should be purged prior to backing up the data.
2. **Include History Files:** Enable this option if the backup should include the entrée files containing data from closed periods.
3. **Send Backup Data to Remote Server:** Enable this option if the backup should be saved on the NECS remote data server.
4. **Single Event:** Select this option to define a backup event that should be performed once a week, at a specific time, for the specified day.
5. **Recurring Event:** Select this option to define a backup event that should be performed at regular intervals throughout the specified day. The first event occurs at 12:00 AM for the specified day and will continue creating backups until 11:59 PM at the specified interval.

Remote Usage

The 'Remote Usage' feature displays a summary of disk space usage, and allows usage statistics to be displayed for a given date range, including a disk space graph.



2 entrée.BAK Client

The **entrée.BAK Client** is a Windows application that manages and controls the **entrée.BAK Server** v1.0 via the TCP/IP protocol. This application was designed to operate on Microsoft Windows 95, 98, ME, 2000, XP, and 2003.

- [Configuring](#)
 - [Status Bar](#)
 - [Tabbed Pages](#)
 - [Backing up Files](#)
 - [Restoring Files](#)
 - [Offline Volumes](#)
 - [Console Window](#)
-

BAK

Chapter 3

Installation

3 Installation

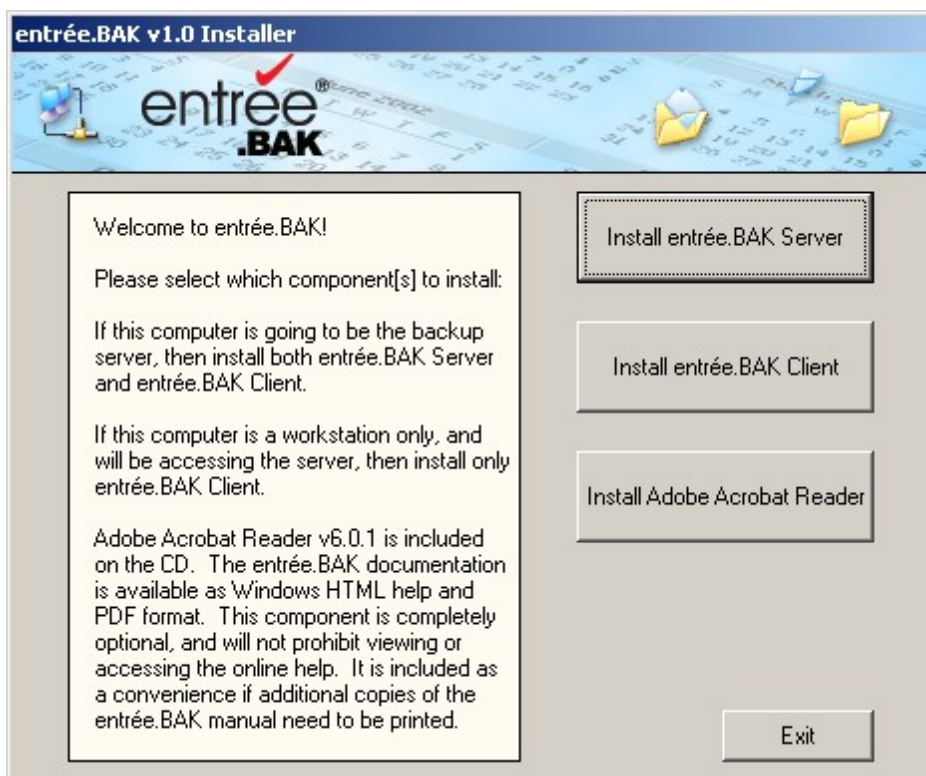
The **entrée.BAK** application is actually comprised of two separate components.

1. **entrée.BAK Server**, which is an NT service and **installed on the same computer as the entrée data files**.
2. **entrée.BAK Client**, which is an application used to perform backups, restore backups, manage scheduled backups, and perform other maintenance tasks that pertain to the **entrée.BAK** system.

Each component of the **entrée.BAK** application is installed **separately**.

- **entrée.BAK Server** is **only** installed on the **file server** which contains the **entrée** data files.
- **entrée.BAK Client** is also installed on the **file server** which contains the **entrée** data files and may be **optionally** installed on any other workstation that accesses the main **entrée** application.

When the Installation CD is inserted into a computer an Installation menu will be displayed automatically.



- Click the **Install entrée.BAK Server** button to start the Server installation. A detailed overview of the Server Installation process can be found in the Server Installation section of this chapter.
- Click the **Install entrée.BAK Client** button to start the Client installation. A detailed overview of the Client Installation process can be found in the Client Installation section of this chapter.
- The server reference guide for the **entrée.BAK** service is a technical reference guide that most users will never need to reference. It has however, been provided in Adobe PDF format on this installation CD. The Adobe Acrobat Reader application must be installed to view or print the Server Reference Guide.



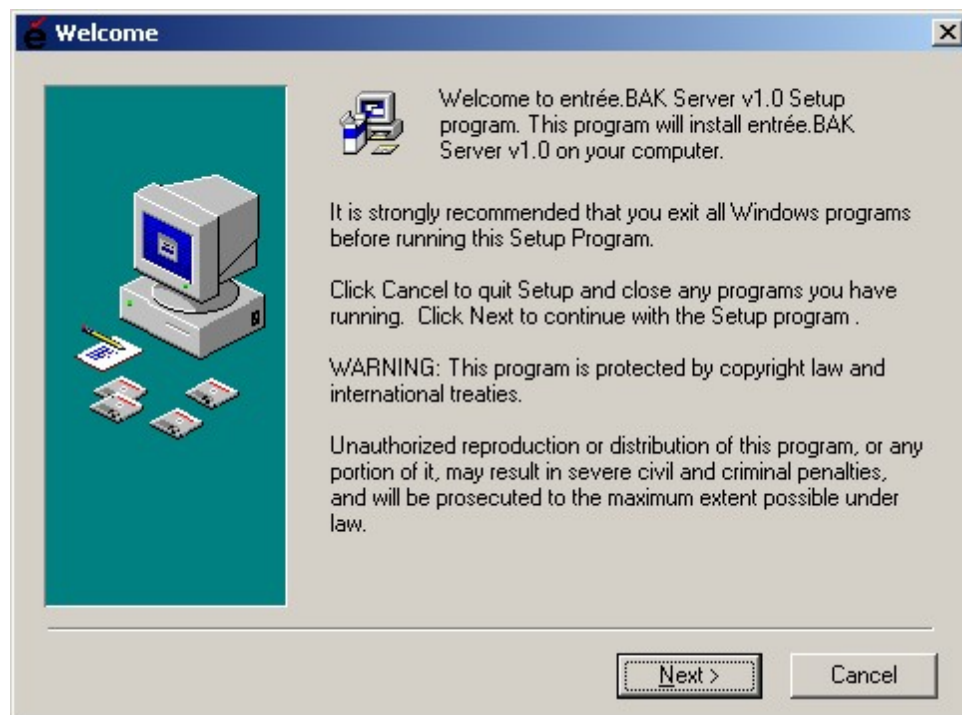
Caution **entrée.BAK Server must be installed prior to installing entrée.BAK**

Client.

3.1 Server Installation

The **entrée.BAK Server** application was designed to run on Microsoft Windows NT 4.0, 2000, XP, and 2003.

- **entrée** version 2.0 or higher must also be installed prior to installing the **entrée.BAK Server** application.
 - NECS Recommends installing **entrée.BAK Server** on the same server as the **entrée** data files.
 - The current user must have Administrative rights on the server computer to properly install **entrée.BAK Server**.
1. Close all open programs before installing **entrée.BAK Server**.
 2. To install the application, click the **Install Server** button on the Installer screen, which should load automatically when the **entrée.BAK** Installation CD is inserted, or run **ebServerSetup.exe** from the CD, which can be found in the **ebServer** folder.

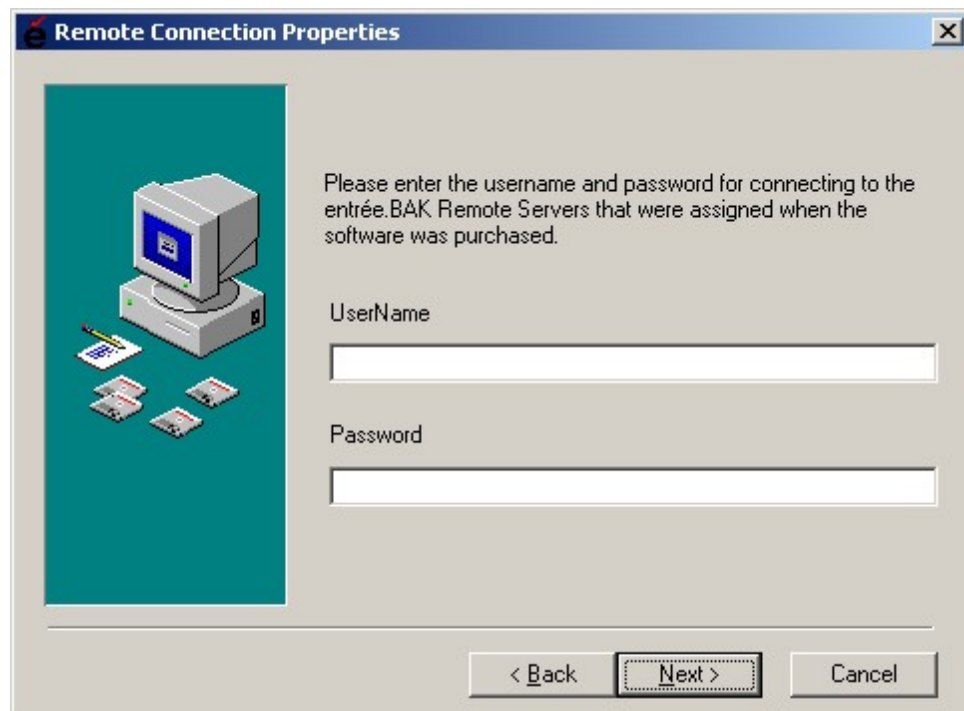


3. Click the **Next** button.



The dialog box titled "Serial Number / License Key" features a teal background on the left with an illustration of a computer monitor, a tower unit, and several floppy disks. On the right, there are two text input fields. The first is preceded by the text "Please enter your product serial number :", and the second by "Please enter your product license key :". At the bottom, there are three buttons: "< Back", "Next >" (which is highlighted with a dashed border), and "Cancel".

4. Enter the **serial number** and **license key** that were emailed to you when the software was purchased and click the **Next** button.

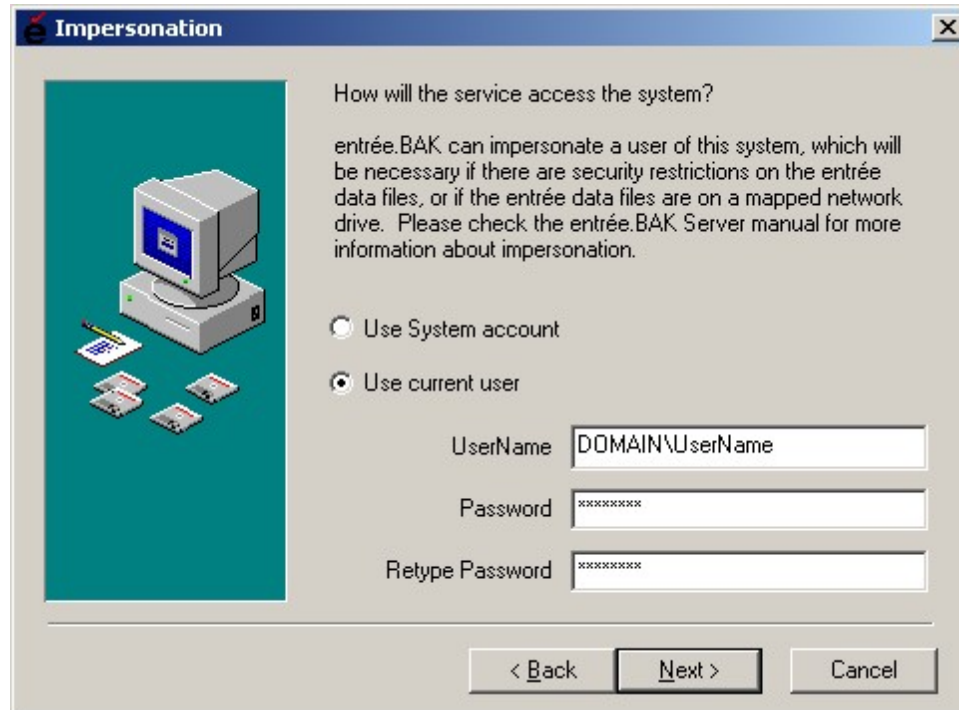


The dialog box titled "Remote Connection Properties" features the same teal background and computer illustration as the previous dialog. On the right, there is a text label: "Please enter the username and password for connecting to the entrée.BAK Remote Servers that were assigned when the software was purchased." Below this are two text input fields labeled "UserName" and "Password". At the bottom, there are three buttons: "< Back", "Next >" (highlighted with a dashed border), and "Cancel".

5. If the product license permits the use of NECS' remote backup features, enter the **UserName** and **Password** used to connect to the remote servers. Click the **Next** button.



The access information was furnished when the product was purchased.



6. The next dialog will setup the service to run as either the default Windows System account, or for a specific user.

The **entrée.BAK Server** must be run under a specific Windows user if any of the following are true:

- The **entrée** data files are on a network share, and **access** to the share **is restricted** to particular users by enforcing Windows security.
- Access to the network share is defined in **entrée** as a **mapped network drive**.

Note

Mapped network drives are part of a Windows user's profile. When a user logs-in to a computer, their profile is loaded, and mapped network drives are reconnected. Since the **entrée.BAK Server** never actually "logs-in," mapped network drives are never available to the service. But by impersonating a user, the service is able to retrieve the mapping information from the Windows registry, and resolve the mapped drive to its UNC path.

Example

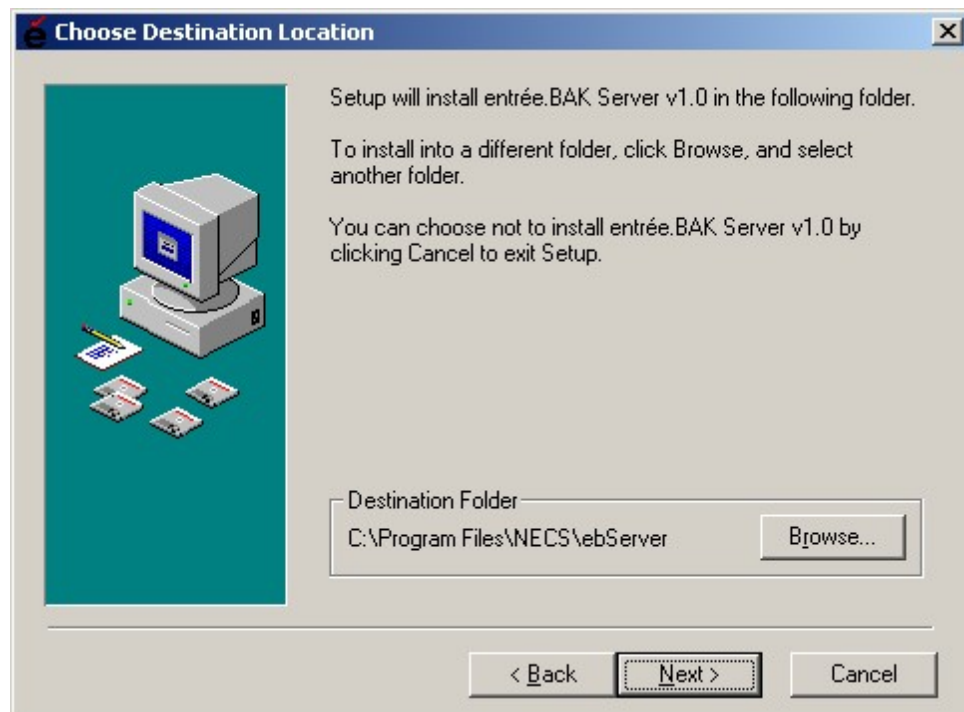
If the **entrée** data files exist on a file server called **FileServer**, in a directory called **NECS**, and every user accesses the **\\FileServer\NECS** UNC share as the **N:** drive, the service will need to impersonate a user whose account is setup with the mapped drive **N:**. Otherwise, the **entrée.BAK Server** will not be able to access the files, as drive **N:** will not exist, as far as the service is concerned.

If Impersonation is required, then the username is the name of a Windows user account that the **entrée.BAK Server** will impersonate.

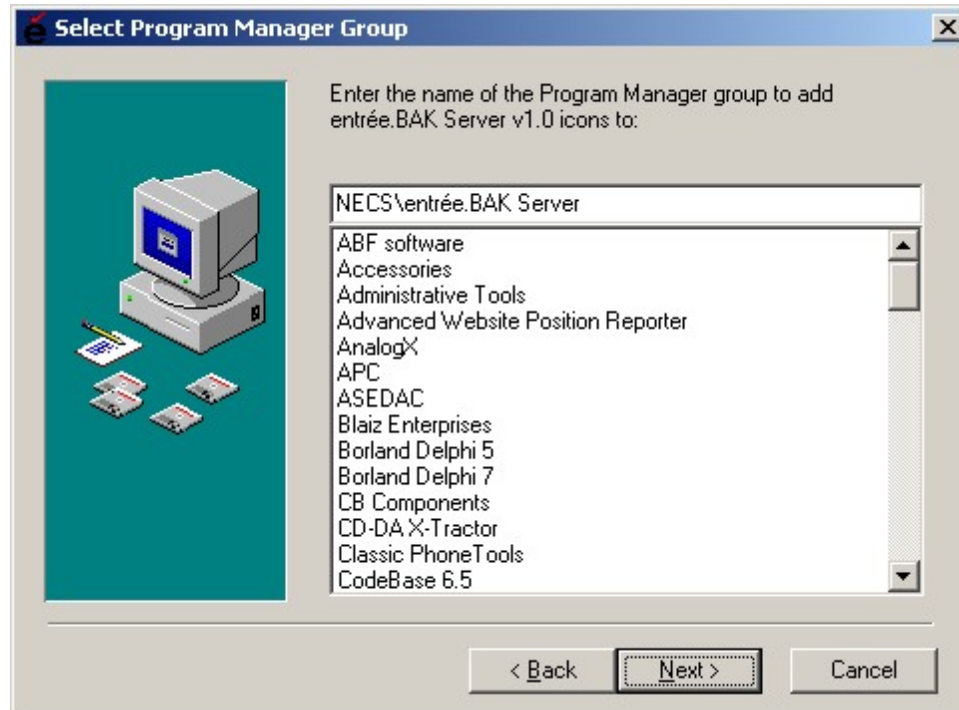
- Enter the username in the format **DOMAIN_NAME\USERNAME** [or WORKGROUP_NAME if the network configuration is using workgroups instead of domains].
- If the server computer does not participate in a domain or workgroup, or if the user account is local to that computer, then simply enter the username without the domain, or enter the name as **COMPUTER_NAME\USERNAME**.
- The currently logged-in user will appear in the **UserName** field by default.

If neither of these conditions exist in the current **entrée** system setup, then the Windows System account may be used.

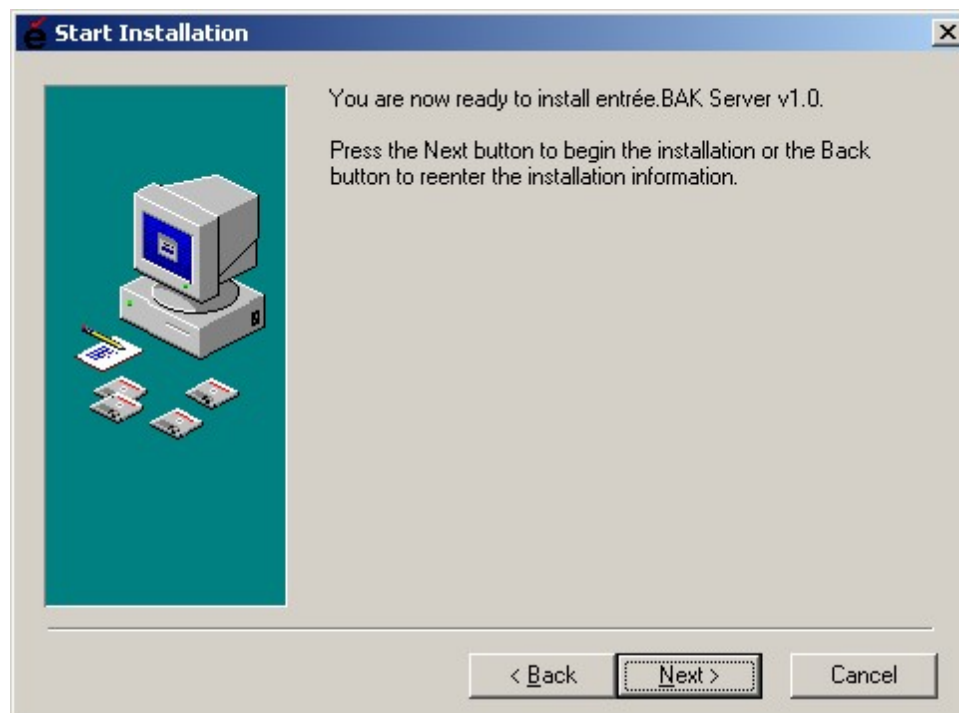
- Click the **Next** button to proceed with the installation.



7. Click the **Next** button to accept the default installation directory.



8. Click the **Next** button to accept the default program group.



9. Click the **Next** button to begin copying files.
10. After the application and its components are finished being copied, click the **Finish** button to close the installation program.

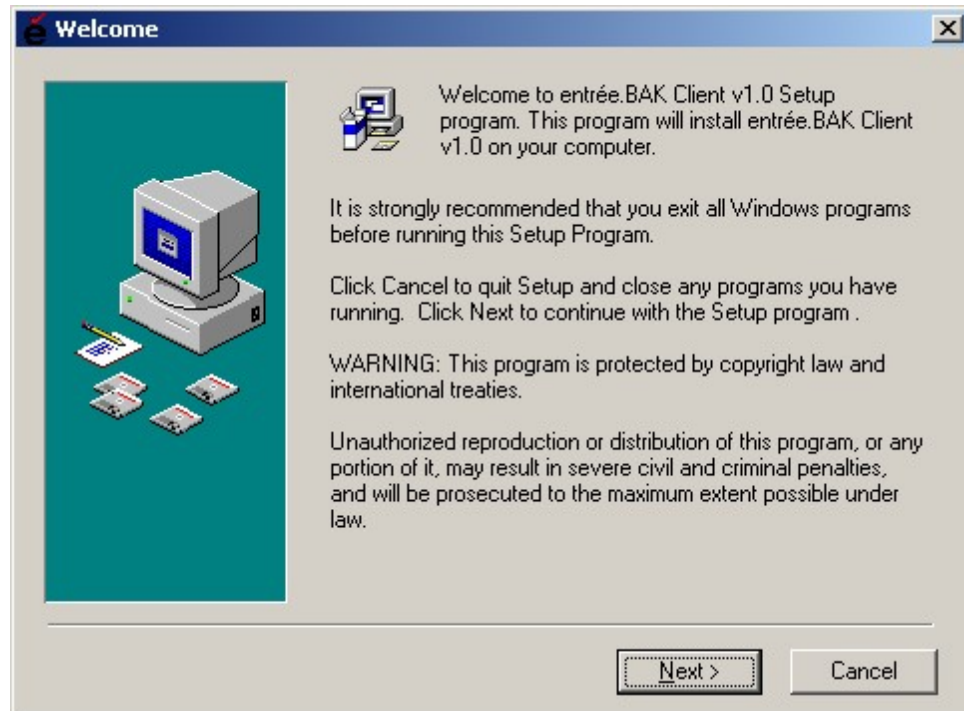
The installation program may request that the computer be restarted before running the application. NECS recommends restarting the computer following the installation of the

entrée.BAK Server software.

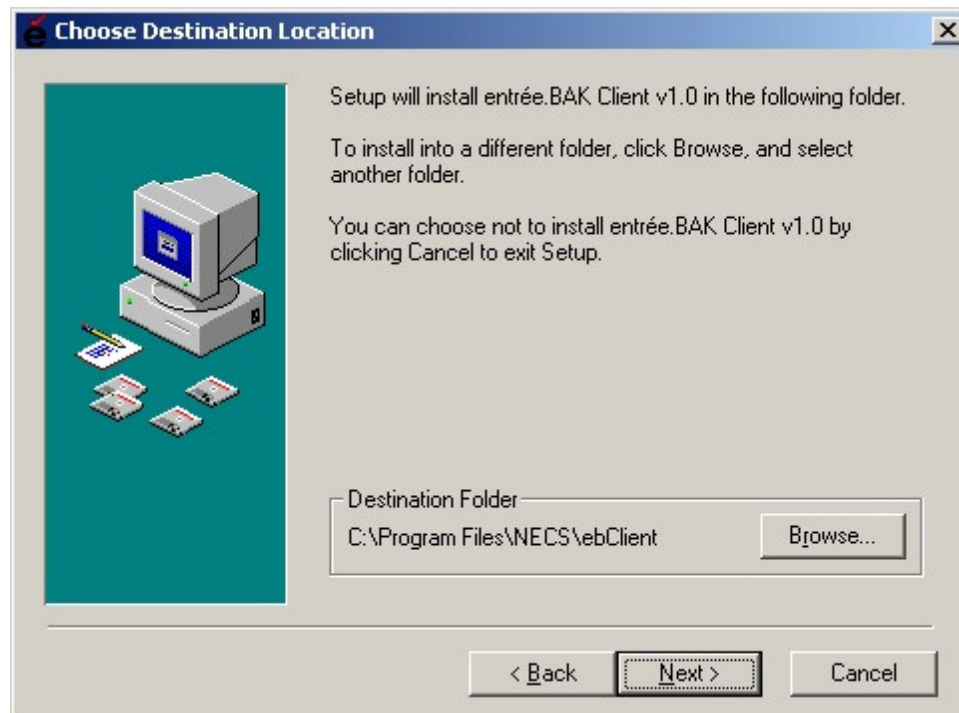
3.2 Client Installation

The **entrée.BAK Client** application is designed to connect to the **entrée.BAK Server** that backs-up and restores **entrée** data files. The computer on which this software will run must have TCP/IP configured to run properly.

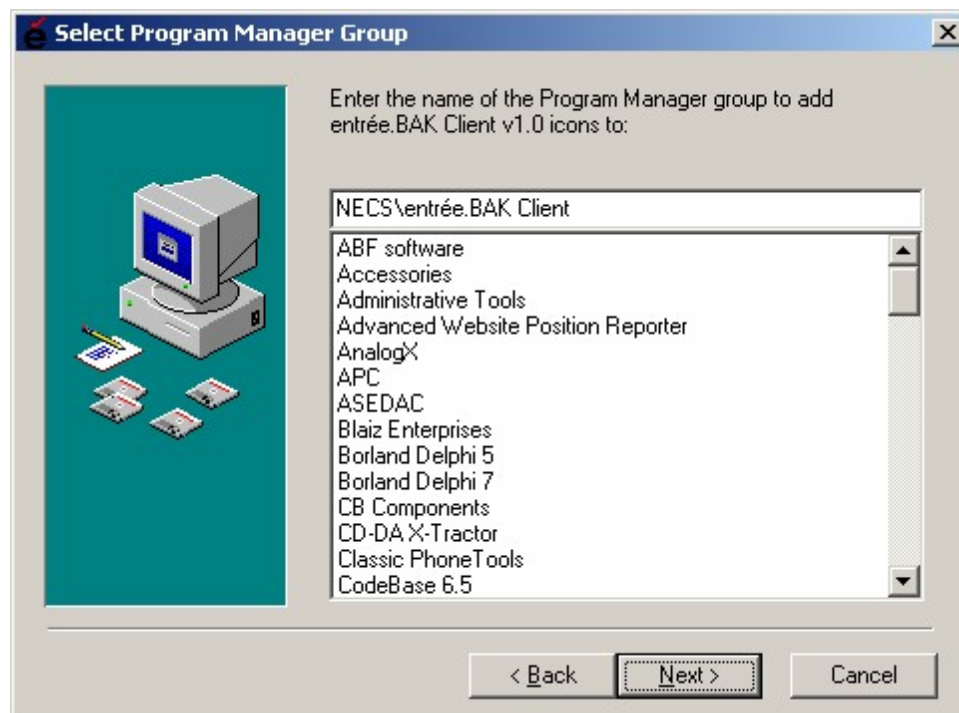
1. Close all open programs before installing **entrée.BAK Client**.
2. To install the application, click **Install Client** from the Installer screen, which should load automatically when the entrée.BAK Installation CD is inserted, or run **ebClientSetup.exe** from the CD, which can be found in the **ebClient** folder.



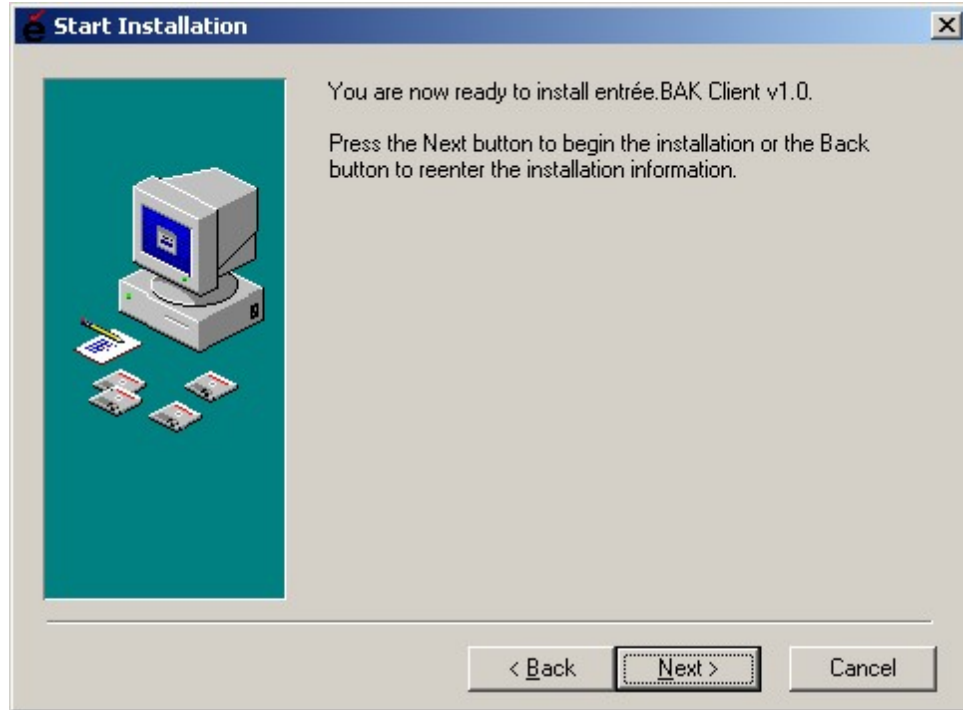
3. Click the **Next** button.



4. Click the **Next** button to accept the default installation directory.



5. Click the **Next** button to accept the default program group.



6. Click the **Next** button to begin copying files.
7. After the application and its components are finished being copied, click the **Finish** button to close the installation program.

The installation program may request that the computer is restarted before running the application. **NECS** recommends restarting the computer following installation of the **entrée.BAK Client** software.

BAK

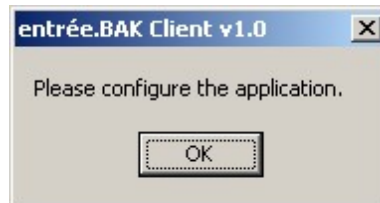
Chapter 4


Configuring the Client

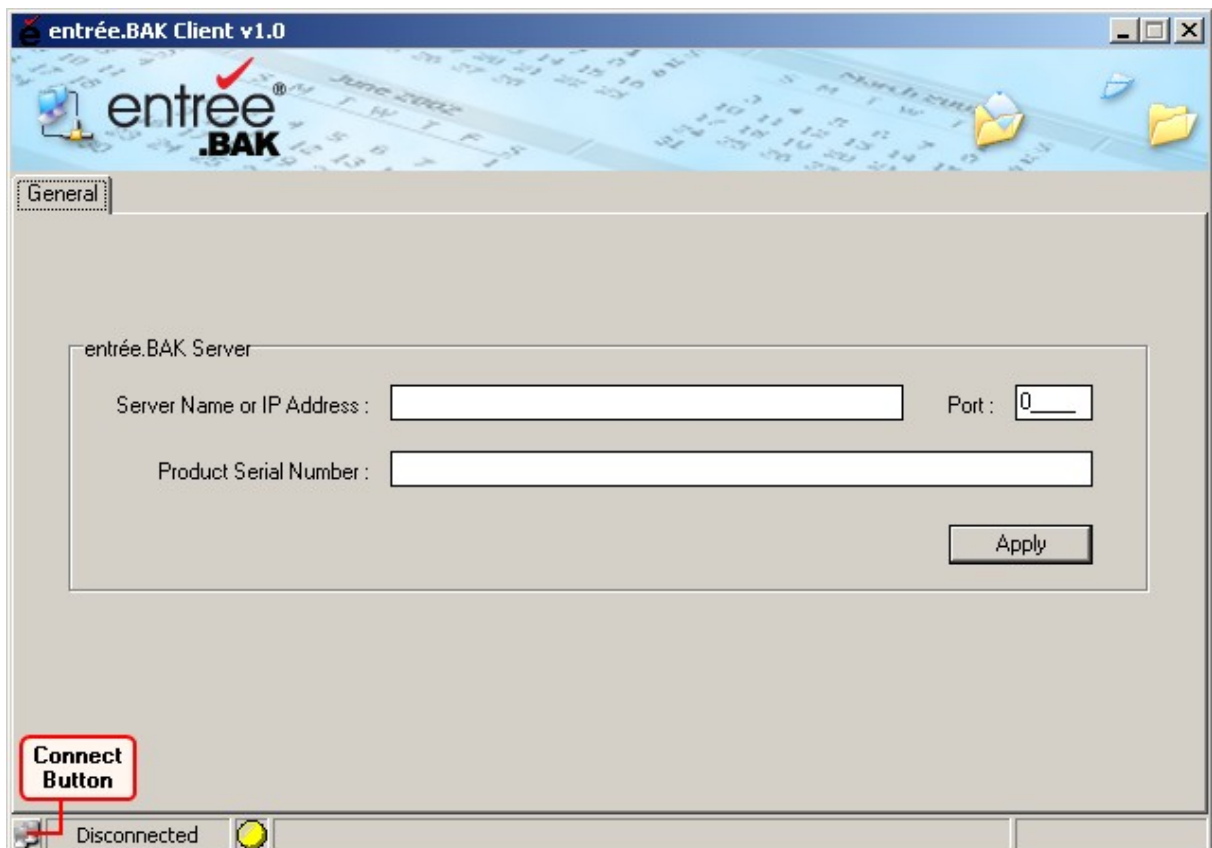
4 Configuring the Client

After the **entrée.BAK Client** application is installed, it must be configured to communicate with the **entrée.BAK Server**.

- Once configured, the **entrée.BAK Client** application will automatically connect to the server each time it is started-up.
- The following dialog will appear each time the application is started, until the proper settings are configured:



1. Click the **OK** button to open the main window.
2. Enter the [Server Name](#) and press the **Tab** key.
3. Enter the [Port](#) number and press the **Tab** key.
4. Enter the [Serial Number](#) and click the **Apply** button.
5. Connect to the **entrée.BAK Server** by clicking the  (connect) button.



4.1 Server Name or IP Address

Enter the **entrée.BAK Server's computer name** or **IP** address in this field.

**Note**

If installing the application on the same computer as the **entrée.BAK Server**, enter **localhost** in this field.

4.2 Port

Enter the **TCP/IP** port which the Server is listening to in this field.

- The default value for this field is **2020**.
- If the TCP/IP port is unknown consult the network administrator.

4.3 Product Serial Number

Enter the serial number that was received, when **entrée.BAK** was purchased.

- If the serial number is unknown contact **NECS Technical Support**.
-

5 Status Bar

At the bottom of the main window is the **entrée.BAK** status bar.



Connection Status Message

Displays **Connected** or **Disconnected**, depending on the connection to the **entrée.BAK** Server.

Status LED

This image will be a visual representation of the current state of the application.

- (Yellow) - The application is disconnected from the server.
- (Green) - The application is connected to the server and ready.
- (Red) - The application is connected to the server and is busy processing a request.

Current Request Message

This area will display a brief message of what the application is doing.

- When the application is busy, then messages such as **Working...** will be displayed in this area.
- When the application is idle, but connected, the word **Ready** will be displayed.

Progress Indicator

A progress bar will be displayed in this area when the application is working.

- A dark blue line will move from left to right as the current task is being performed. When the blue bar reaches the right edge of the progress indicator, the current task is completed.

BAK

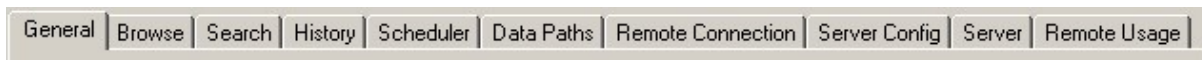
Chapter 6

Menu Tabs

6 Menu Tabs

Along the top of the application window is a set of Menu Tabs. These Menu Tabs separate different features of the **entrée.BAK** application.

To view or change the information for a particular category, click on the desired menu tab.



Tab Name	Tab Description
General	Main application settings. Backups may also be performed via this page.
Browse	Browse a list of local and remote backup volumes. This is the page which allows you to restore files from your backups.
Search	Search for files based on file name, file size, and last modified date.
History	Browse and view the server's log files.
Scheduler	Manage the server's automated backup scheduler.
Data Paths	Manages the directories that get backed-up.
Remote Connection	Manage the settings necessary to communicate with NECS' remote backup servers.
Server Config	View / Edit server path settings and disk quota.
Server	View server connections.
Remote Usage	View remote server usage statistics.

6.1 General Tab

The **General** tab manages the client connection settings, as outlined at the beginning of this guide.

- If the client has a connection with the server, the [Backup Now](#) button appears on this page.
- More information on On-Demand backups can be found in the [Backing up Files](#) chapter of this manual.

entrée.BAK Server

Server Name or IP Address : localhost Port : 2020_

Product Serial Number : XXXXXXXXXXXXXXXXXXXXXXX

Apply

Backup Now

6.2 Browse Tab

The **Browse** tab allows you to view a list of all available backup volumes.

- Restore operations are also performed from the **Browse** tab.

The screenshot shows the Browse tab interface with two tables and several buttons. The top table, 'Volume Listing Area', has columns: ID, Volume Name, Created, Location, Status, and a 'Restore' button. The bottom table, 'File Listing Area', has columns: ID, File Name, Path, Size, Last Modified, and a 'Restore' button. Red callouts point to the 'Restore' buttons in both tables, with text indicating they restore the entire volume or selected files.

ID	Volume Name	Created	Location	Status
23	20040223-151231625.ebk	2/23/2004 3:12:31 PM	LOCAL	
24	20040223-160000859.ebk	2/23/2004 4:00:00 PM	LOCAL	
25	34928906.rbk	4/11/2003 1:48:05 PM	REMOTE : 281	
26	35005421.rbk	4/11/2003 1:48:39 PM	REMOTE : 282	
27	35026875.rbk	4/11/2003 1:48:59 PM	REMOTE : 283	ONLINE
28	20030411-135047828.rbk	4/11/2003 1:49:22 PM	REMOTE : 284	ONLINE
29	20030411-135118203.rbk	4/11/2003 1:49:51 PM	REMOTE : 285	ONLINE
30	20030411-135142500.rbk	4/11/2003 1:50:14 PM	REMOTE : 286	OFFLINE

ID	File Name	Path	Size	Last Modified
58	ARBUST.cdx	G:\FPMAIN\01\	3.00 kb	1/24/2001 1:56:38 PM
59	ARBUST.DBF	G:\FPMAIN\01\	258 b...	1/24/2001 1:56:38 PM
60	ARCAPPLY.DBF	G:\FPMAIN\01\	514 b...	1/24/2001 1:56:38 PM
61	ARCASHR.cdx	G:\FPMAIN\01\	12.00...	4/3/2003 2:48:08 PM
62	ARCASHR.DBF	G:\FPMAIN\01\	610 b...	4/3/2003 2:48:08 PM
63	ARCCSA.DBF	G:\FPMAIN\01\	674 b...	1/24/2001 1:56:38 PM
64	ARCLASS.cdx	G:\FPMAIN\01\	3.00 kb	1/24/2001 1:56:38 PM
65	ARCLASS.DBF	G:\FPMAIN\01\	66 byt...	1/24/2001 1:56:38 PM
66	ARCDMM.cdx	G:\FPMAIN\01\	3.00 kb	1/24/2001 1:56:38 PM

6.2.1 Volume Listing Area

The volume listing area, on the [Browse](#) tab, displays both local and remote backup volumes.

ID - This value is assigned by the application and is used for reference purposes only.

Volume Name - This value is assigned by the application and is used for reference purposes only.

Created - This column displays the **date/time stamp** of when each volume was created. The date/time stamp is derived from the local network.

Location - This column will indicate if the volume is a **local** or **remote** backup.

- Remote backups will have the remote server volume ID displayed in the location column as well.

Status - This column displays the **availability** for restore operations of each volume.

- A **blank** value in the status column indicates the volume is a local backup. Local backups are always **available** for restore operations.
- **ONLINE** indicates the remote volume is **available** for restore operations.
- **OFFLINE** indicates the volume has been [removed](#) from the remote server and is **not available**.
- For more information on OFFLINE volumes see the **Offline Volumes** chapter of the user guide.

6.2.2 File Listing Area

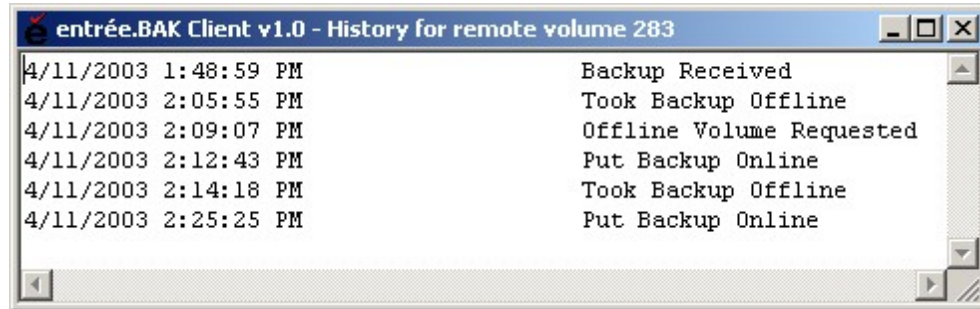
When a backup volume is selected in the [volume listing area](#) on the [Browse](#) tab, its contents are displayed in the file listing area.

- If a selective restoration needs to be performed, the files to restore are selected from the file listing area.

6.2.3 Volume History

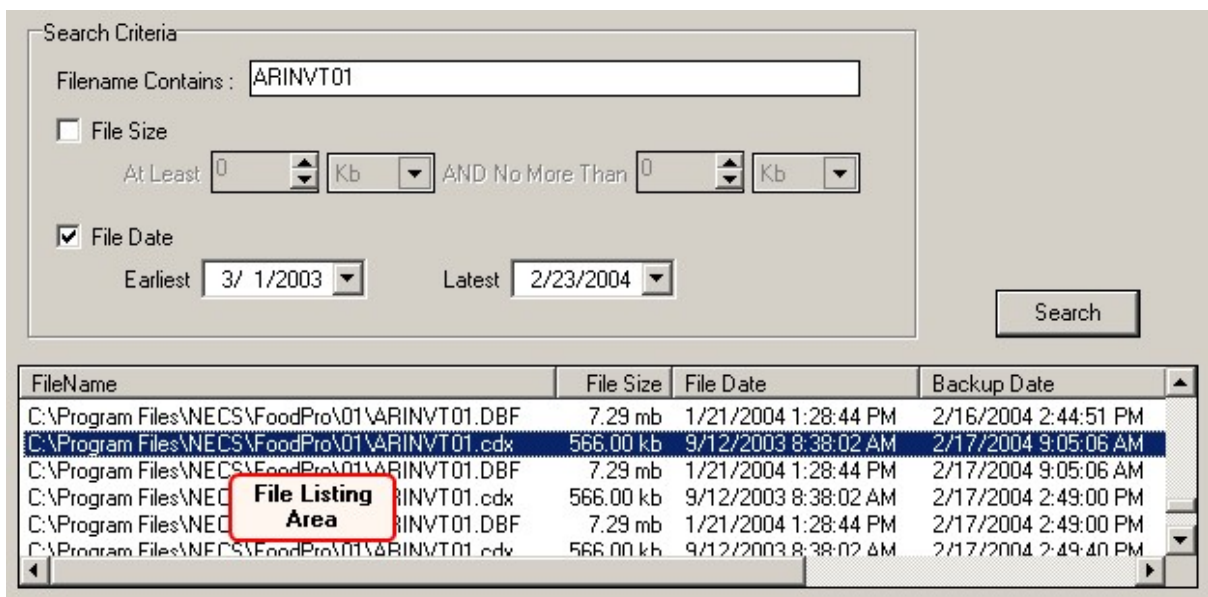
When a **remote** volume is selected in the volume listing area on the **Browse** tab, the **History** button will be enabled. The history dialog displays all operations performed on the selected remote volume.

- Clicking the **History** button opens the Volume History dialog.
- Pressing the **F5** key will refresh the [volume listing area](#).



6.3 Search Tab

The **Search** is used to locate specific files that have been previously backed up to a local or remote server backup. The search results can be useful in determining where to find particular files to be [restored](#).



1. Enter any criteria for the file search in the **Search Criteria** area.
2. Click the **Search** button.
 - All files meeting the specified search criteria will be displayed in the file listing area.

6.3.1 Filename Contains

Enter all or part of the file name to search for in this field.

- Any file with a filename matching the text entered in this field will be displayed in the file listing area.

6.3.2 File Size

The File Size option allows the user to restrict the number of files that are displayed in the file listing area by entering a minimum and maximum file size.

- Check the File Size option to specify the minimum and maximum file size for the search.
- The minimum file size is entered in the **At least** field. A value of zero specifies no minimum size restriction.
- The maximum file size is entered in the **No More Than** field. A value of zero specifies no maximum size restriction.
- The Byte value for the minimum and maximum file size can be changed by clicking the drop-down button and selecting one from the list. Bytes are the unit in which the file size is measured. The chart below shows the number of bytes in each unit.

Byte Selection	Total number of bytes
Kb	1 kilobyte = 1024 bytes
Mb	1 megabyte = 1048576 bytes
Gb	1 gigabyte = 1073741824

6.3.3 File Date

The File Date option allows the user to restrict the number of files that are displayed in the file listing area by entering a date range, in which the **last modified date** of the file must fall in.

- Check the File Date option to specify the dates range for the search.
- The starting date is entered in the **Earliest** field.
- The ending date is entered in the **Latest** field.

6.4 History Tab

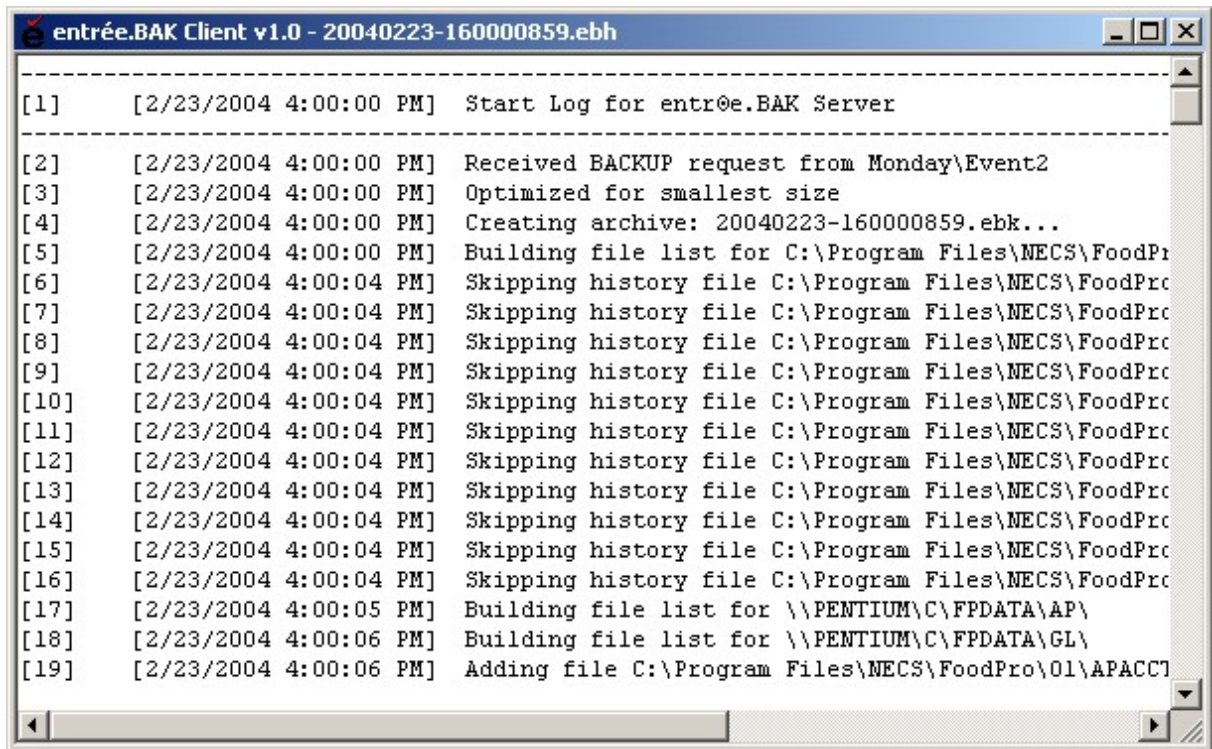
The History tab lists all of the log files available on the **entrée.BAK Server**. Every time a backup or restore operation is performed, the server creates a file that details the entire process. The log files can be useful when tracking problems.

ID	Log FileName	Size
61	20040223-093245359.ebh	30615
62	20040223-095227062.ebh	65186
63	20040223-095432656.ebh	65056
64	20040223-100000640.ebh	29237
65	20040223-110000921.ebh	29237
66	20040223-133349546.ebh	1281
67	20040223-133802609.ebh	97293
68	20040223-133839296.ebh	1299
69	20040223-133853203.ebh	1292
70	20040223-133924203.ebh	1259
71	20040223-133931296.ebh	1282
72	20040223-134037281.ebh	1259
73	20040223-134717000.ebh	1815
74	20040223-140000031.ebh	28916
75	20040223-150000593.ebh	28917
76	20040223-151231625.ebh	28927
77	20040223-160000859.ebh	28917

Refresh List

6.4.1 Viewing a history log file

1. Select the log file to view on the [History](#) tab
2. Press the **Enter** key.



```
entrée.BAK Client v1.0 - 20040223-160000859.ebh
-----
[1]    [2/23/2004 4:00:00 PM]  Start Log for entr@e.BAK Server
-----
[2]    [2/23/2004 4:00:00 PM]  Received BACKUP request from Monday\Event2
[3]    [2/23/2004 4:00:00 PM]  Optimized for smallest size
[4]    [2/23/2004 4:00:00 PM]  Creating archive: 20040223-160000859.ebk...
[5]    [2/23/2004 4:00:00 PM]  Building file list for C:\Program Files\NECS\FoodPr
[6]    [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[7]    [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[8]    [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[9]    [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[10]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[11]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[12]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[13]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[14]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[15]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[16]   [2/23/2004 4:00:04 PM]  Skipping history file C:\Program Files\NECS\FoodPro
[17]   [2/23/2004 4:00:05 PM]  Building file list for \\PENTIUM\C\FPDATA\AP\
[18]   [2/23/2004 4:00:06 PM]  Building file list for \\PENTIUM\C\FPDATA\GL\
[19]   [2/23/2004 4:00:06 PM]  Adding file C:\Program Files\NECS\FoodPro\01\APACCT
```

6.4.2 Deleting a history log file

1. Select the history log file to delete on the [History](#) tab. Multiple files may be selected at once by holding the **Ctrl** key down while selecting files.
2. Press the **Delete** key.

Note

- Deleting a history log file permanently removes the file from the server.
- Pressing the **F5** key on the [History](#) tab will refresh the list of log files with the list of files currently on the server.

6.5 Scheduler Tab

The Scheduler tab enables the **entrée.BAK Server** to perform unattended backups automatically, based on a user-defined schedule. This page controls the behavior of the automated scheduler.

- The event scheduler can be disabled by removing the check from the **Backup Scheduler Enabled** field.

The screenshot displays the Scheduler Tab interface. On the left, the 'Event Tree' is visible, showing a list of events for each day of the week (Sun through Fri). The 'Event Tree' is highlighted with a red box. The 'Event Properties' section on the right includes a 'Backup Scheduler Enabled' checkbox, which is checked. Below this, there are several options for event configuration: 'Purge temp files' (checked), 'Include history files' (checked), and 'Send backup data to remote server' (checked). The 'Single Event' radio button is selected, and the time of day is set to 12:00 AM. The 'Recurring Event' radio button is unselected, and the frequency is set to every 15 minutes starting at 12:00 AM. A 'Save' button is located at the bottom right of the 'Event Properties' section. A 'Refresh' button is located at the bottom left of the 'Event Tree' section.

6.5.1 Event Tree

The event tree, on the [Scheduler](#) tab, lists all of the scheduled events that have been defined.

- The event tree can be refreshed by pressing the **F5** key.

Creating an event

1. Select the day of the week, for the event, in the event tree.
2. Press the **Insert** key.
3. Specify the [event properties](#) for the new event.
4. Click the **Save** button.

Deleting an event

1. Select the event to delete, in the event tree.
2. Press the **Delete** key.

6.5.2 Event Properties

Purge temp files

Enable this option if **entrée** temp files should be purged prior to backing up the data.

Include history files

Enable this option if the backup should include the **entrée** files containing data from closed periods.

Send backup data to remote server

Enable this option if the backup should be saved on the **NECS** remote data server.

Single Event

Select this option to define a backup event that should be performed once a week, at a specific time, for the specified day.

Recurring Event

Select this option to define a backup event that should be performed at regular intervals throughout the specified day. The first event occurs at 12:00 AM for the specified day and will continue creating backups until 11:59 PM at the specified interval.



Note

If a single event and a recurring event are to be executed **at the same time**, only the single event will be executed.

6.5.3 Default Schedule

Single event backups have been defined to perform a complete backup each day of the week, at 12:00 AM.

- Each predefined, single event backup **does** include the history files and the temporary files will be **purged**.
- The backup volume created by these events **will be sent** to the remote server, if the server license permits it.

A recurring event has also been defined for each day, Monday through Friday.

- The backup will be performed every 2 hours, starting at 12:00 AM.
 - These backup events **do not** include history files or send the backup to the remote server.
-

6.6 Data Paths Tab

The **Data Paths** tab displays the path information for each company in the main **entrée** system.

- Each company will be listed in the company list.
- Select a company from the company list to display that company's path properties.
- If the **entrée.BAK Client** application is running on the same computer as the **entrée.BAK Server**, the **Update** button will be enabled. Clicking the **Update** button will re-read path settings from the main **entrée** configuration.
- Clicking the **Refresh** button reloads the **entrée** path information as the UNC path [\\ServerName \ShareName] for mapped network drives.

No.	Company Name
01	Madison Distribution Inc.

Company List

Update Refresh

Path Properties

AP Path :
\\PENTIUM\C\FPDATA\AP\

GL Path :
\\PENTIUM\C\FPDATA\GL\

Data Path :
C:\Program Files\NECS\FoodPro\01\

6.7 Remote Connection Tab

The **Remote Connection** tab is used to configure connection information when utilizing the remote backup service.

- This tab will not be shown unless the server license supports the remote backup features of the system.
- Pressing the **F5** key will reload the server's current settings.

User ID : 53

UserName : entreeuser

Password : *****

Server : remotebackup.necs.com

Service URL : http://remotebackup.necs.com/service/ebSVC.dll

Apply

UserID - This field is read-only, and is encrypted into the product serial number.

UserName and **Password** - These values are assigned when signing-up for the remote backup service.

Server - This field should be set to **remotebackup.necs.com**.

Service URL - This field should be set to **http://remotebackup.necs.com/service/ebSVC.dll**.

6.8 Server Config Tab

The **Server Config** tab manages the **entrée.BAK Server's** backup path, log path, and disk quota.

- Pressing the **F5** key will reload the server's current settings.

Backup Path : C:\Dev\FoodPro\Entrée.BAK\Server\Backup ...

History File Path : C:\Dev\FoodPro\Entrée.BAK\Server\Log ...

Disk Quota [mb] : 50

Backup Path - This field displays the location that the backups will be saved to. This field will be read only unless the **entrée.BAK Client** application is running on the same computer as the **entrée.BAK Server**.

History File Path - This field displays the location that the history log files will be saved to. This field will be read only unless the **entrée.BAK Client** application is running on the same computer as the **entrée.BAK Server**.

Disk Quota - This field is used to set the amount of disk space local backup volumes can consume.

- The disk quota system will automatically delete the oldest backup in the backup folder, until enough room is available to fit the newest backup volume.
- The disk quota can be disabled by setting the value of this field to **0**.

6.9 Server Tab

The **Server** tab displays a list of all of the clients currently connected to the **entrée.BAK Server**, allows updates to the TCP/IP port that the server is listening on, and displays the server's license capabilities.

- If the client application is running on the same computer as the **entrée.BAK Server**, a manual restart of the server may be performed by clicking the **Restart Server** button. All connected clients will be disconnected when the server is restarted.

Clients currently connected to the server

* is the current connection

No.	Name	IP	Port
1	localhost	127.0.0.1	4481*

Refresh

Settings

Port : 2020_ Apply

License Capabilities

Trial : False
Registered : True
Server : True
Remote : True
Remote Space : 100

Restart Server

6.9.1 Client List

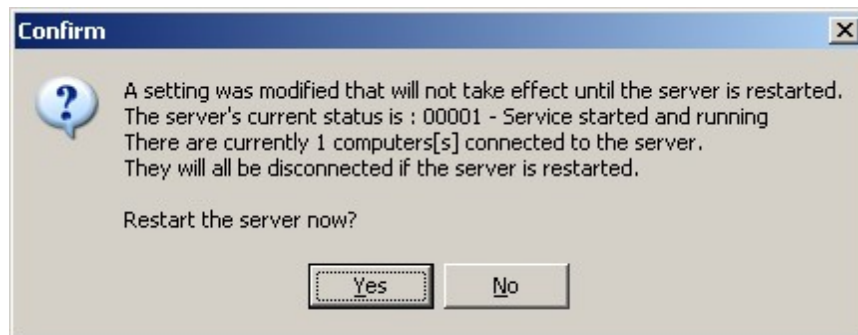
The **Client list** area, on the [Server](#) tab, displays the **computer name**, **IP address**, and **port** of each of the computer on the network.

- Listings marked with an asterisk * denote a current client connection.
- This list can be helpful in tracking what computers within a network are accessing the server.
- Click the **Refresh** button to refresh the list of clients currently connected.

6.9.2 Settings

The **Port** setting field, on the [Server](#) tab, determines what TCP/IP port the server is listening on.

- Only clients running on the server may modify this setting.
- NECS recommends that this setting is only modified by an experienced Network Administrator.
- If the port setting is changed, all **entrée.BAK Client** applications will need to be reconfigured to communicate with the server on the newly assigned port.
- After clicking on the **Apply** button, a warning message will be displayed.



- Clicking the **Yes** button will cause the server to restart, and will disconnect all clients currently connected.
- Clicking the **No** button will save the setting, but the new port assignment will not take effect until the next time the server is restarted.

6.9.3 License Capabilities

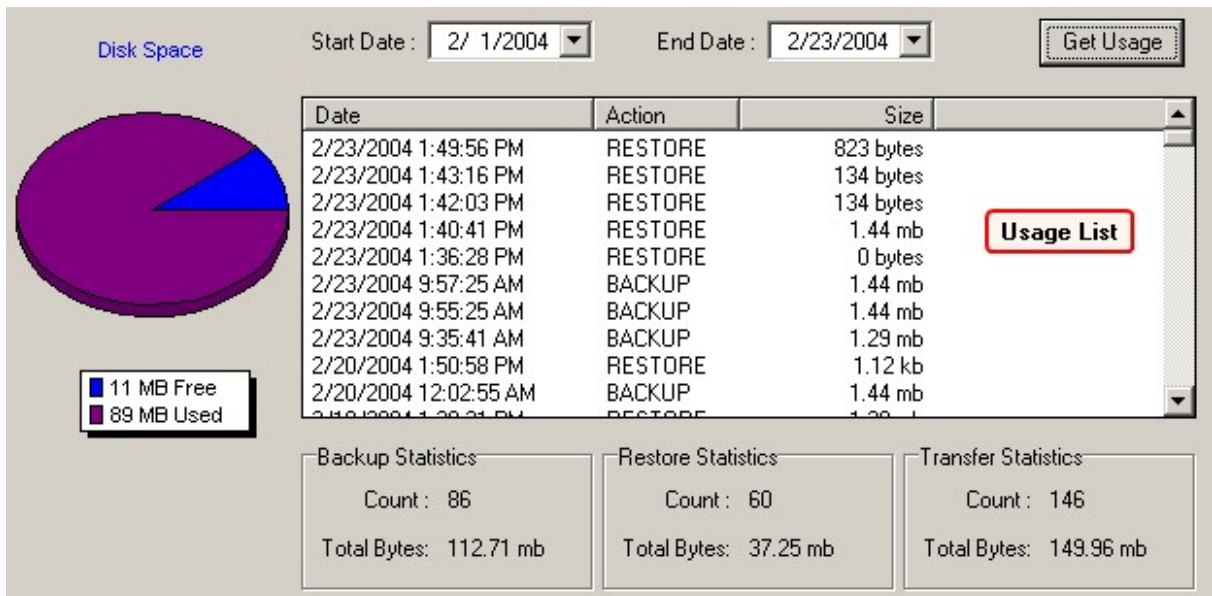
The **License Capabilities** area, on the [Server](#) tab, displays the current license status and the capabilities of the **entrée.BAK Server** license.

- The license is issued when **entrée.BAK** is purchased.
- The license can be upgraded or downgraded at any time by contacting **NECS**.

6.10 Remote Usage Tab

The **Remote Usage** tab displays a summary of disk space usage, and allows usage statistics to be displayed for a given date range.

- This tab will not be shown unless the server license supports the remote backup features of the system.
- Click the **Get Usage** button to populate the Usage List with data from the remote server.
- A starting and ending date can be provided to limit the results that are loaded to a specific date range.
- Pressing the **F5** key will reload the disk space graph.



BAK

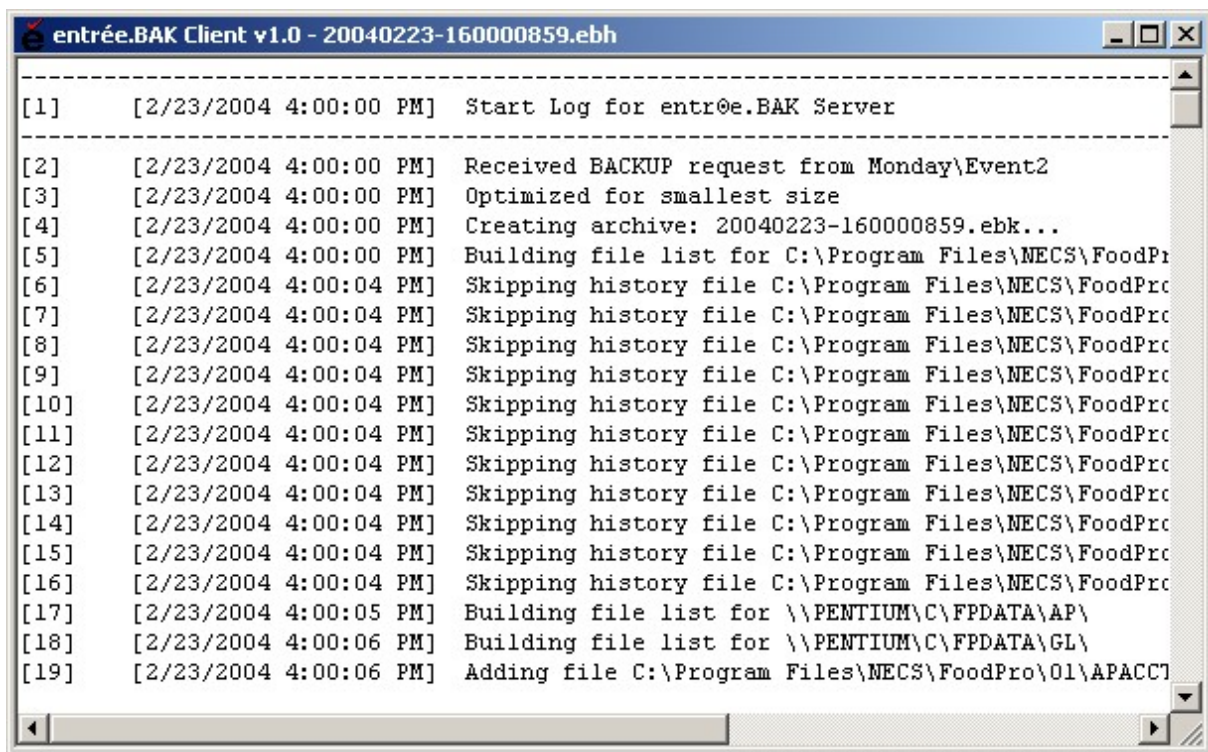
Chapter 7

Backing up Files

7 Backing up Files

These are the steps required to perform an On-Demand backup.

1. Click on the [General](#) tab of the **entrée.BAK client** application
 2. Click the **Backup Now** button.
 3. Click the **Yes** or **No** button when prompted to [Purge temp files](#).
 4. Click the **Yes** or **No** button when prompted to [Backup history files](#).
 5. If remote backups are allowed, Click the **Yes** or **No** button when prompted to [Send backup volume to remote server](#).
- Once the backup operation is complete, a window displaying the server's log file for the requested operation will be displayed. The log file should be reviewed to ensure that the backup was successful.

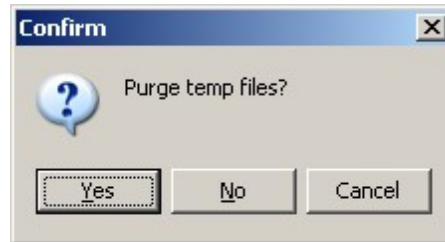


The screenshot shows a window titled "entrée.BAK Client v1.0 - 20040223-160000859.ebh". The window contains a log file with the following entries:

```
[1] [2/23/2004 4:00:00 PM] Start Log for entr@e.BAK Server
-----
[2] [2/23/2004 4:00:00 PM] Received BACKUP request from Monday\Event2
[3] [2/23/2004 4:00:00 PM] Optimized for smallest size
[4] [2/23/2004 4:00:00 PM] Creating archive: 20040223-160000859.ebk...
[5] [2/23/2004 4:00:00 PM] Building file list for C:\Program Files\NECS\FoodPr
[6] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[7] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[8] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[9] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[10] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[11] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[12] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[13] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[14] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[15] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[16] [2/23/2004 4:00:04 PM] Skipping history file C:\Program Files\NECS\FoodPr
[17] [2/23/2004 4:00:05 PM] Building file list for \\PENTIUM\C\FPDATA\AP\
[18] [2/23/2004 4:00:06 PM] Building file list for \\PENTIUM\C\FPDATA\GL\
[19] [2/23/2004 4:00:06 PM] Adding file C:\Program Files\NECS\FoodPro\01\APACCT
```

7.1 Purging Temp Files

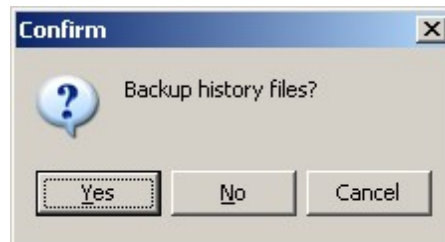
The temp files are created in the main **entrée** data directory during reporting operations. Usually the main **entrée** application will remove these files automatically, however there are circumstances when they are not removed.



- It is unnecessary to backup these files, and NECS recommends the purging of any temp files that were not automatically removed by the main **entrée** system.
- Click the **Yes** button to delete these temp files.
- Clicking the **No** button will result in the temp files being included in the backup.
- Clicking the **Cancel** button will cancel the backup request.

7.2 Backing up History Files

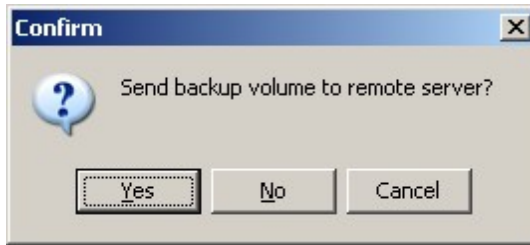
The **entrée** history files are files that exist in the main data directory, whose names begin with ARY. The history files contain data from previously closed periods and can get quite large. The data contained in the history files is only updated during the close period process.



- Including history data will increase the amount of time required to send and receive backup volumes to and from the remote server.
- NECS recommends periodically including these files, but it is not necessary with every backup.
- Click the **Yes** button to include the history files in the backup.
- Click the **No** button to skip the history files when performing the backup.
- Clicking the **Cancel** button will cancel the backup request.

7.3 Sending the Backup to the Remote Server

This dialog will only appear when the server license allows remote server operations.



- Click the **Yes** button to send a copy of the local backup volume to the remote server for off site storage.
 - Click the **No** button to only store the backup volume locally.
 - Clicking the **Cancel** button will cancel the backup request.
-

8 Restoring Files

Caution

- It is recommended that prior to restoration, a complete backup of the entrée data files is performed.
- All users should be logged out of the entrée system before performing any restoration operation.

Restoring an entire volume

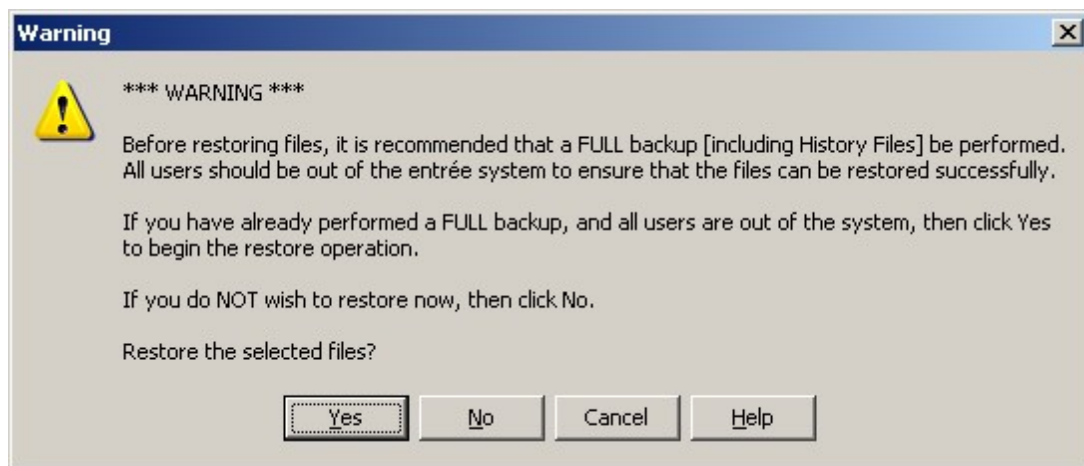
1. Select the **Browse** tab.
2. Select the **volume** to restore from the volume listing area
3. Click the **Restore** button next to the volume list. The file restore operation will commence immediately.

Restoring individual files

1. Select the **Browse** tab.
2. Select the file to be restored from the file listing area. Multiple files may be selected at once by holding the **Ctrl** key down while selecting files.
3. Click the **Restore** button next to the file listing area. The file restore operation will commence immediately.

Note

- After the restore operation has completed a dialog will appear displaying the server's log file for the request. The contents of the log should be reviewed to ensure all restore operations completed successfully.
- When attempting to restore either a complete backup volume or a list of user-selected files, the following dialog will appear:



9 Offline Volumes

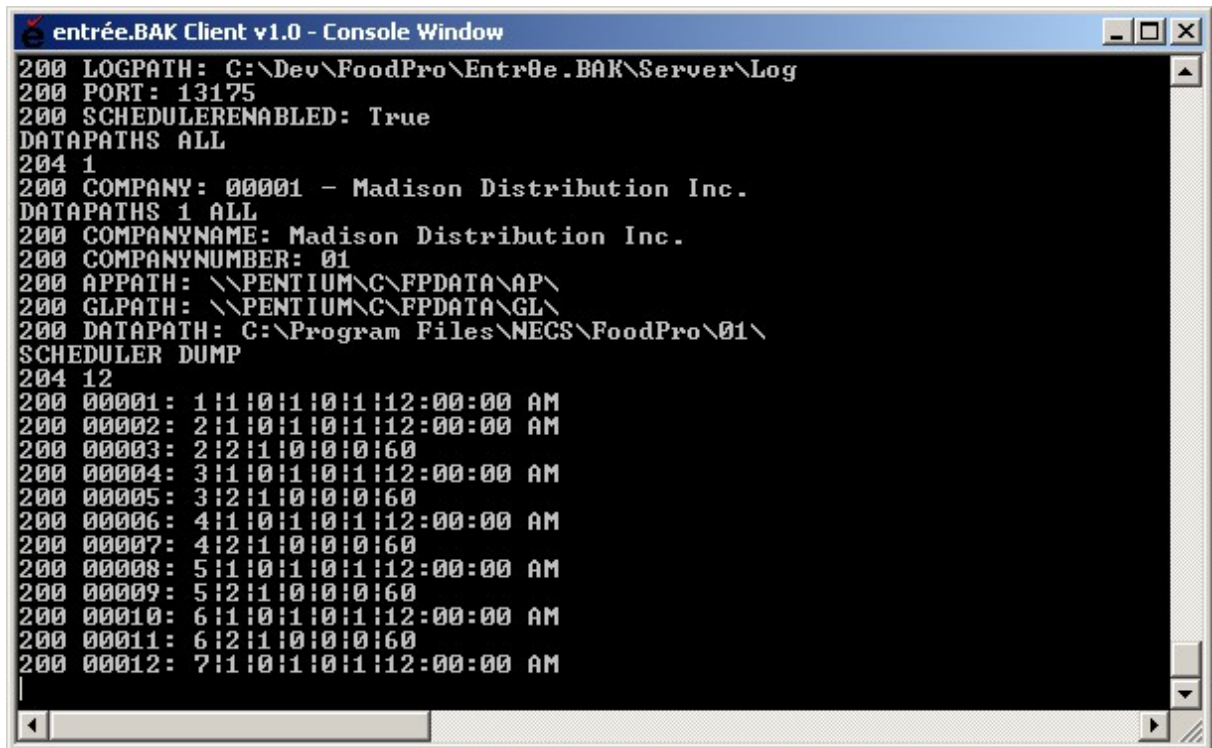
When new backup volumes are sent to the **entrée.BAK** remote backup servers, the remote backup system checks the amount of available disk space that is allocated to its owner. If there is insufficient disk space to save the new volume, the oldest backup volume is moved to an offline queue. This process continues until there is enough disk space to record the new volume.

- All data in the offline queue is backed up onto tape **daily**.
 - When a volume is moved to the offline queue the volume status becomes **OFFLINE**.
 - OFFLINE volumes can be restored to an ONLINE status by NECS if needed.
 - Fees associated with the restoration of an OFFLINE volume can be found in the **entrée.BAK** Service Agreement.
-

10 Console Window

The **entrée.BAK Client** application communicates with the server by sending commands and receiving responses back via TCP/IP from the **entrée.BAK Server**.

- The conversation between the two computers may be monitored for debugging purposes.
- Press **CTRL+ALT+C** or double-click the status LED icon to open/close the console window.



```
entrée.BAK Client v1.0 - Console Window
200 LOGPATH: C:\Dev\FoodPro\Entrée.BAK\Server\Log
200 PORT: 13175
200 SCHEDULERENABLED: True
DATAPATHS ALL
204 1
200 COMPANY: 00001 - Madison Distribution Inc.
DATAPATHS 1 ALL
200 COMPANYNAME: Madison Distribution Inc.
200 COMPANYNUMBER: 01
200 APPATH: \\PENTIUM\C\FPDATA\AP\
200 GLPATH: \\PENTIUM\C\FPDATA\GL\
200 DATAPATH: C:\Program Files\NECS\FoodPro\01\
SCHEDULER DUMP
204 12
200 00001: 1:1:0:1:0:1:12:00:00 AM
200 00002: 2:1:0:1:0:1:12:00:00 AM
200 00003: 2:2:1:0:0:0:60
200 00004: 3:1:0:1:0:1:12:00:00 AM
200 00005: 3:2:1:0:0:0:60
200 00006: 4:1:0:1:0:1:12:00:00 AM
200 00007: 4:2:1:0:0:0:60
200 00008: 5:1:0:1:0:1:12:00:00 AM
200 00009: 5:2:1:0:0:0:60
200 00010: 6:1:0:1:0:1:12:00:00 AM
200 00011: 6:2:1:0:0:0:60
200 00012: 7:1:0:1:0:1:12:00:00 AM
```

The entrée.BAK console window

BAK

Chapter 11

Overview entrée.BAK Server

11 Overview entrée.BAK Server

11.1 Command Line Interface

The service supports a human-readable CLI [command-line interface], with corresponding command syntax.

The commands may be executed through a telnet client, or through the **entrée.BAK Client** application, which hides the commands and syntax, employing a Win32 GUI interface.

CLI Command	Description
ACCOUNT	Gets remote server usage statistics
ARCHIVE	Manages compression options
BACKUP	Requests a backup operation
BROWSE	Browses local / remote backup volume contents
BYE	Ends the session
CONFIG	Manages entrée.BAK application settings
CONNECTION	Manages remote server connection settings
DATAPATHS	Manages entrée data paths and company settings.
HISTORY	Gets remote volume history
LK	Returns the server's license key
LOG	Manages the server's log files
NOP	No Operation for maintaining connection
REQUEST	Send administrator a request for an offline volume
RESTORE	Requests a restore operation
SCHEDULER	Manages the built-in backup scheduler
SEARCH	Searches local / remote backup volume contents
SERIAL	Used for authenticating the client session
SERVER	Manages various server state settings
TRACE	Saves every server response in the context of the current session to a log file [for debugging purposes]

Each command is described in detail in the command reference section.

11.1.1 Status Codes

For each command executed using the command line interface, the **entrée.BAK** server returns status codes and data to the client.

ID	Code	Description
100	RC_WELCOME	The sever received the connection request.
200	RC_SUCCESS	The request was successful.
201	RC_AUTHSUCCESS	The serial number was validated: the session is authenticated.
202	RC_SERVICINGREQ	The request was received and is being serviced.

203	RC_PROGRESS	Reports the server's progress. [0-100%]
204	RC_SENDDATA	The server is sending a byte stream to the client.
210	RC_STATUS	Reports the server's status while servicing a request.
212	RC_FINISHEDREQ	The server has completed servicing the last request.
213	RC_MUSTRESTART	The requested configuration update will not take effect until the server is restarted.
300	RC_DISCONNECT	The server is gracefully ending the client session.
313	RC_RESTART	The server is disconnecting as a result of a SERVER RESTART command.
400	RC_REQUESTERROR	There was general error in the request.
401	RC_UNKNOWNCMD	The requested command was unknown.
402	RC_SYNTAXERROR	The requested command was valid, but the command syntax is malformed.
403	RC_NOAUTH	The client session has not been authenticated: denying request.
404	RC_NOTLOCAL	The requested command may only be executed from a client on the server.
405	RC_NOLICENSE	The requested command requires a license option that the current license does not support.
500	RC_SERVERERROR	The server encountered an internal error servicing the request.
501	RC_BUSY	The server is too busy to service the request.
502	RC_MAXCONNECTION	The maximum allowed number of clients is connected to the service: the connection request is denied.
503	RC_REMOTEFAIL	An attempt to communicate with the remote server failed.

11.2 Scheduling

The **entrée.BAK Server** has a built-in backup event scheduler. There are two types of backup events:

ID	Type	Description
0	etSingle	This type of event occurs once per 24 hour period.
1	etRecurring	This type of event re-occurs every <i>n</i> number of minutes.

11.2.1 Default Schedule

When **entrée.BAK** is installed, a default 7-day schedule is defined.

- A single backup event is scheduled for each day of the week, creating a complete **entrée** data backup at 12:00 AM, which includes all AR history files [ARY*.*].
- A recurring event is defined for every weekday, backing up a subset of the **entrée** data files every 120 minutes [2 hours]. The recurring backup excludes all AR history files, but can be configured to include them, if desired.
- The History files do not need to be backed-up that frequently, and the files will contribute to larger backup volumes when included.

11.2.2 Configuring the Scheduler

The event scheduler is completely configurable. It is possible to disable the backup scheduler, if desired. It also allows adding new events, and deleting or modifying existing backup events. Each backup event has several options that define its behavior:

- The day of the week [Sunday through Saturday]
- The event type [single or recurring]
- The event time [for a single event]
- The event interval in minutes [for recurring events]
- Backup history files [ARY*. *]?
- Send the backup volume to the NECS remote backup server?
- Purge temp files before backing-up?

11.3 Local disk management

entrée.BAK manages the amount of disk space that local backups occupy by using a disk space quota feature.

- When a new backup volume is created, the quota will be checked to see if the new volume will fit in the allotted amount of disk space.
- If a new backup volume cannot fit, **entrée.BAK** will delete the oldest backups until there is enough space.
- The disk quota ensures that the backups do not end-up filling-up the server's hard drive.
- The disk quota feature can also be disabled by setting the quota to **0**.

11.4 Remote backup service

A key point of the **entrée.BAK** system is its ability to perform backup and restore operations from NECS' remote backup servers.

- This is a subscription-based service, which allows backup volumes to be stored in a secure, offline location.
 - The remote backup service offers the security of being able to restore **entrée** data, from the backups stored on the NECS remote backup servers, even in the event of a catastrophic network/data failure.
 - **entrée.BAK** can communicate with the NECS remote backup servers via the internet to securely send backup volumes, restore backup volumes, restore selected files from backup volumes, search backup volumes, and get account information in real-time.
 - The remote backup servers at NECS also send an email confirmation when a backup volume has been received.
-

BAK

Chapter 12

Configuration

12 Configuration

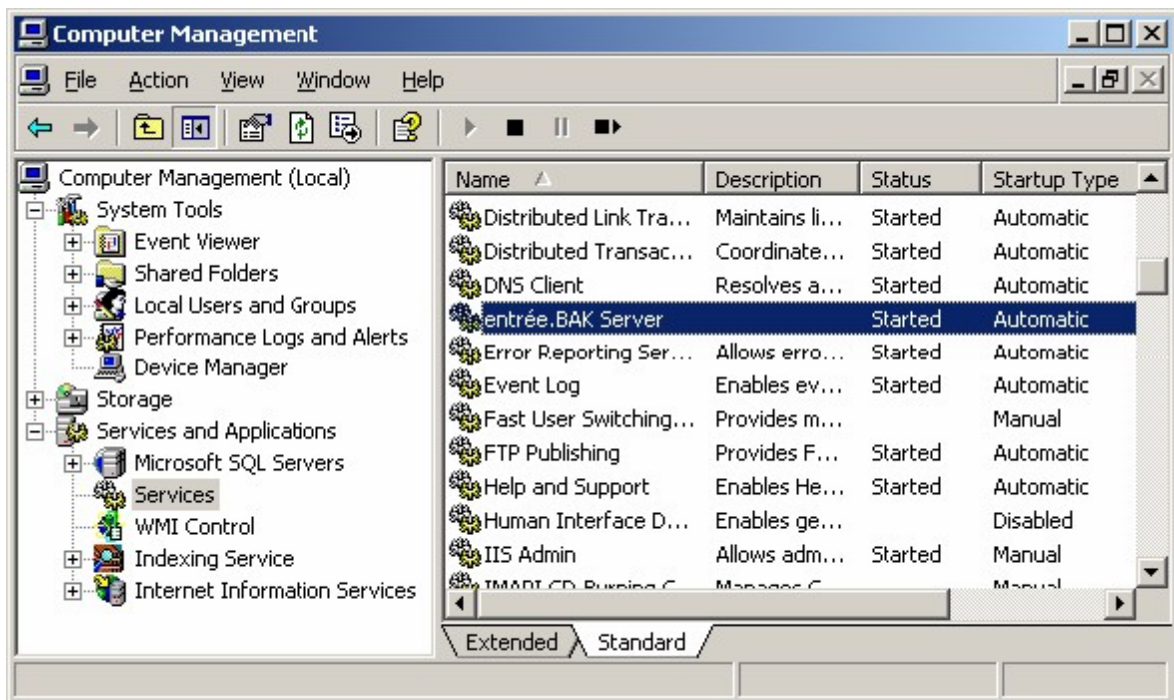
entrée.BAK Server will run on Microsoft Windows computers with NT 4.0, 2000, XP, 2003, Windows 7, Windows 8.

- These operating systems support Windows NT services, which are applications which run transparently in the computer's memory, starting automatically each time the computer starts.
- After the server application is installed and configured, the **entrée.BAK Client** should also be installed on the same computer. Some configuration options are available exclusively to clients on the same computer as the server. Please review the client documentation for more information.

12.1 Computer Management console

When installing **entrée.BAK Server**, a valid product serial number and license key must be entered.

After the product is installed, it will appear as **entrée.BAK Server** in the services section of the **Computer Management** console.



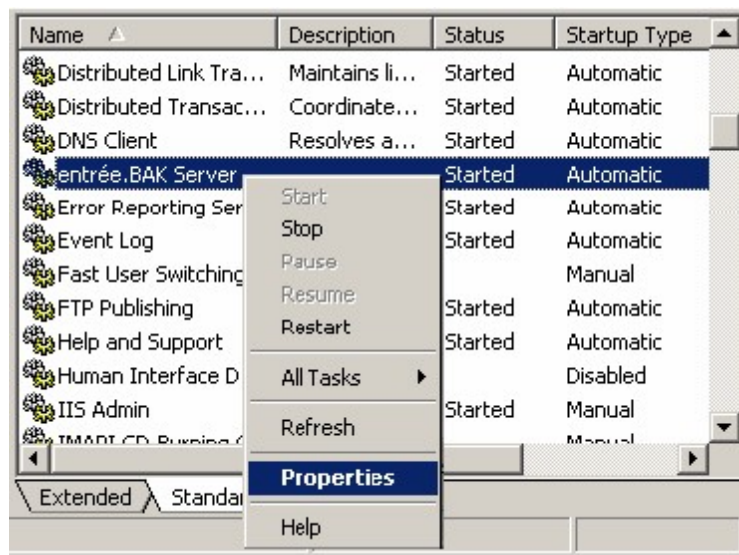
12.2 Impersonation

Depending on your network configuration, it may be necessary to force the service to "Log on as" a user already defined within the domain or workgroup. This is because **entrée.BAK Server** needs to access files within the network, just as any other user. This is called impersonation.

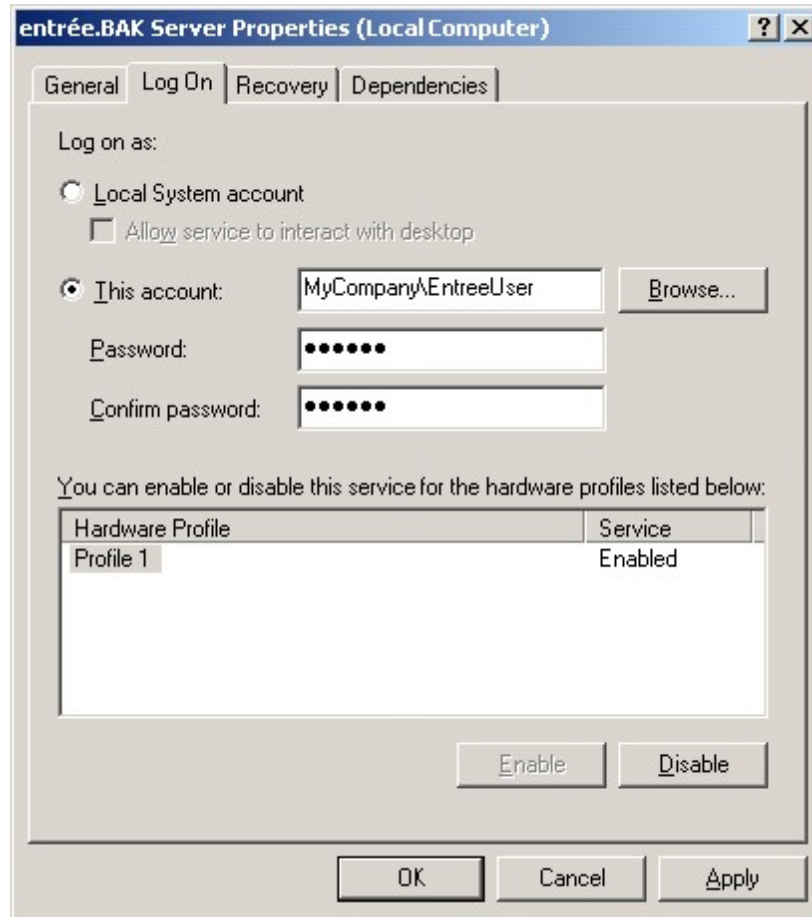
Example

If the **entrée** data files are on a computer named **FileServer**, under a shared folder called **entree** and Windows permissions are setup to restrict access so that only the user named **EntreeUser** can read and write to that folder, then the service will need to be configured to impersonate **EntreeUser**.

- The following illustrates how the **entrée.BAK** service can be configured for impersonation. The domain name **MyCompany** should be replaced with the actual domain name.
 1. Right-click on **entrée.BAK Server** in the Computer Management console and select the **Properties** option.
 2. Select the **Log On** tab, and change the user credentials from Local System Account to **This Account**.
 3. Enter the valid **logon details**.
 4. Click the **OK** button. A dialog box may appear, requesting that the service be restarted for the changes to take effect.



Accessing the **entrée.BAK** server properties



Creating the Impersonation account.

12.3 Event Logs

The **entrée.BAK Server** stores some status information to the computer's **Application Event Log**.

- When the service starts, stops, encounters an internal error, starts a scheduled backup, or receives a restart request from a client computer, these events are all logged.
- This may be helpful in debugging problems in the event that the application has any problems at any point.

BAK

Chapter 13

Server Command Reference

13 Server Command Reference

13.1 ACCOUNT

Description:	The ACCOUNT command gets remote backup usage statistics.
Parameters:	DETAIL USAGE <DATE_START> <DATE_END>
Details:	<ul style="list-style-type: none"> • If DETAIL is specified, then the command returns all settings for this section. • If USAGE is specified, then <DATE_START> and <DATE_END> must also be specified.
Values:	<p><DATE_START> The starting date to retrieve system usage.</p> <p><DATE_END> The ending date to retrieve system usage.</p>
Examples:	<pre>ACCOUNT DETAIL Gets all [17] ACCOUNT settings ACCOUNT USAGE 02/01/04 02/29/04 Gets all remote server usage statistics for the month of February, 2004.</pre>

13.2 ARCHIVE

Description:	The ARCHIVE command gets / sets options for how the server creates its backup volumes.
Parameters:	ALL <ELEMENT_NAME> SET <NEW_VALUE>
Details:	<ul style="list-style-type: none"> • If ALL is specified, then the command returns all settings for this section. • If <ELEMENT_NAME> is specified, then it may optionally be followed by SET <NEW_VALUE>. • When SET is omitted, the command returns the value of the specified element, otherwise it must be followed by the new value of the element.
Values:	<p><ELEMENT_NAME> COMPRESSIONLEVEL 0 - Optimize the volume for the smallest size 1 - Best mix of speed / size 2 - Optimize the volume for speed</p> <p><ELEMENT_NAME> PASSWORDTYPE 0 - Application-defined password 1 - User-defined password</p> <p><ELEMENT_NAME> USERPASSWORD <i>Manually setting this value is not recommended.</i></p>

Hexadecimal byte-encoded encrypted string [i.e., 98C730BA0789BEF414C096E2F4] The encryption method is known by the server, the client, and the remote servers.

Examples:

ARCHIVE ALL

Gets all [3] **ARCHIVE** settings

ARCHIVE COMPRESSIONLEVEL

Gets **COMPRESSIONLEVEL** setting

ARCHIVE PASSWORDTYPE SET 1

Sets **PASSWORDTYPE** setting to 1 [user-defined password]

13.3 BACKUP

Description:

The **BACKUP** command requests a backup be made of the current entrée data files.

Parameters:

PURGETEMP

HISTORY

SENDREMOTE

Details:

- The parameters define special options for the backup operation.
- Any combination of the three parameters may be used simultaneously with the **BACKUP** request.
- If another backup or restore operation is already in progress, then the request will be rejected. Likewise, while this backup operation is being serviced, then all other backup and restore requests will be rejected.

Values:

n/a

Examples:

BACKUP

Sends a backup request to backup entrée data, excluding history [ARY*.*] files, and only store the backup volume locally.

BACKUP HISTORY SENDREMOTE

Sends a backup request to backup entrée data, including history [ARY*.*] files. The backup volume is stored locally and sent off-site to NECS' remote backup servers.

13.4 BROWSE

Description:

Depending on the command syntax, **BROWSE** returns either a list of backup volumes or a backup volume's file contents.

Parameters:

<LOCATION_NAME>

ALL | <VOLUME_NAME ALL | VOLUME_ID

ALL>

Details:	<ul style="list-style-type: none"> • If DETAIL is specified, then the command returns all settings for this section. • If USAGE is specified, then <code><DATE_START></code> and <code><DATE_END></code> must also be specified.
Values:	<code><LOCATION_NAME> LOCAL</code> Local volumes only <code><LOCATION_NAME> REMOTE</code> Remote volumes only <code><LOCATION_NAME> BOTH</code> Both local and remote volumes <code><VOLUME_NAME></code> The name of the backup volume to browse <code><VOLUME_ID></code> The remote backup Volume ID to browse
Examples:	<pre>BROWSE BOTH ALL Get a list of all backup volumes, both local and remote BROWSE LOCAL 20040220-120000375.ebk ALL Get the list of files in the local backup volume with the filename 20040220- 120000375.ebk BROWSE REMOTE 1234 ALL Get the list of files in the remote backup volume with the ID 1234</pre>

13.5 BYE

Description:	The BYE command gracefully ends the current session.
Parameters:	n/a
Details:	<ul style="list-style-type: none"> • The server releases any resources allocated to the current session and closes the connection.
Values:	n/a
Examples:	<pre>BYE Ends the current session.</pre>

13.6 CONFIG

Description:	The CONFIG command gets / sets some basic server options.
Parameters:	<pre>ALL <code><ELEMENT_NAME></code> SET <code><NEW_VALUE></code></pre>
Details:	<ul style="list-style-type: none"> • If ALL is specified, then the command returns all settings for this section. • If <code><ELEMENT_NAME></code> is specified, then it may optionally be

followed by **SET** `<NEW_VALUE>`.

Values:

- When **SET** is omitted, the command returns the value of the specified element, otherwise it must be followed by the new value of the element.

`<ELEMENT_NAME>` **BACKUPPATH**

Any valid fully-qualified path that the service has read/write access to. This is the location where the service will store its backup volumes and download restore volumes.

`<ELEMENT_NAME>` **DISKQUOTA**

Integer value defining how much disk space to allocate for rotating backups. If zero, then disk space quotas will not be enforced.

`<ELEMENT_NAME>` **FILETYPES**

A comma-delimited list of file extensions to backup.

`<ELEMENT_NAME>` **LOGPATH**

Any valid fully-qualified path that the service has read/write access to. This is the location where the service will store its log files.

`<ELEMENT_NAME>` **PORT**

Integer value defining which port the service will be listening on. If changed, the service must be restarted, and all clients must be reconfigured to use this port.

`<ELEMENT_NAME>` **SCHEDULERENABLED**

True / False value. Defines if the automatic backup scheduler is enabled.

Examples:

CONFIG ALL

Gets all [6] **CONFIG** settings.

CONFIG DISKQUOTA

Gets **DISKQUOTA** setting.

CONFIG SCHEDULERENABLED SET FALSE

Disables the backup event scheduler.

13.7 CONNECTION

Description:

The **CONNECTION** command gets / sets the remote server connection configuration options.

Parameters:

ALL | `<ELEMENT_NAME>`

SET `<NEW_VALUE>`

Details:

- If **ALL** is specified, then the command returns all settings for this section.
- If `<ELEMENT_NAME>` is specified, then it may optionally be followed by **SET** `<NEW_VALUE>`.
- When **SET** is omitted, the command returns the value of the specified element, otherwise it must be followed by the new value of the element.

Values:

`<ELEMENT_NAME>` **PASSWORD**

Hexadecimal byte-encoded string, representing the password

to connect with. The string is encrypted, so do **not** modify this setting manually.

<ELEMENT_NAME> SERVER

The name of the ftp server to receive the remote backup volumes. This value should be `remotebackup.necs.com`, unless otherwise noted by NECS.

<ELEMENT_NAME> URL

The URL for the remote backup service. This value should be <http://remotebackup.necs.com/service/ebsvc.dll>, unless otherwise noted by NECS.

<ELEMENT_NAME> USERID

Integer value defining the remote backup service user ID. This value is read-only.

<ELEMENT_NAME> USERNAME

The username to log onto the remote backup service.

Examples:

CONNECTION ALL

Gets all [5] **CONNECTION** settings.

CONNECTION SERVER

Gets **SERVER** setting.

ARCHIVE USERNAME SET EBUSER

Sets the remote backup logon name to **EBUSER**.

13.8 DATAPATHS

Description:

The **DATAPATHS** command gets / sets the path locations to be backed-up.

Parameters:

ALL | **REFRESH** | **<COMPANY_ID>**
ALL | **<ELEMENT_NAME>**

Details:

- If the client is local, the parameter **REFRESH** may be used with **DATAPATHS**.
- The **REFRESH** parameter forces entrée.BAK Server to synchronize its path and company information to the current entrée configuration. This is done automatically when the service is installed.
- All mapped drives are normalized into UNC [\\SERVER \SHARE] format, as drive mappings may be unavailable to the service.

Values:

- Individual configuration elements are read-only.

<ELEMENT_NAME> COMPANYNAME

The name of the Company.

<ELEMENT_NAME> COMPANYNUMBER

The company number. [i.e., 01, 02, etc...]

<ELEMENT_NAME> APPATH

The Accounts Payable data path. [if applicable]

<ELEMENT_NAME> GLPATH

The General Ledger data path. [if applicable]

<ELEMENT_NAME> DATAPATH

The entrée data path.

Examples:

DATAPATHS ALL

Gets a list of all configured companies.

DATAPATHS REFRESH

Reloads all data path configuration info from entrée.

DATAPATHS 1 APPATH

Gets company 1's AP data path.

13.9 HISTORY

Description:

The **HISTORY** command returns the all historic transactions for the specified

<VOLUME_ID>.

Parameters:

<VOLUME_ID>

Details:

- The server date / time of the transaction and a description will also be returned.

Values:

<VOLUME_ID>

Integer value representing the remote server's Volume ID to be inspected.

Examples:

HISTORY 1234

Gets a list of all transactions pertaining to remote backup volume **1234**.

13.10 LK

Description:

The **LK** command returns the License Key registered when the service was installed.

Parameters:

n/a

Details:

n/a

Values:

n/a

Examples:

LK

Returns the server's license key.

13.11 LOG

Description:

The **LOG** command manages the server's log files.

Parameters:

ALL | <LOGFILE_NAME>

DEL | GET <START_OFFSET>

<BYTE_COUNT>

Details:

- The **ALL** parameter returns a list of all available log files.
- The **DEL** parameter permanently deletes the specified **<LOGFILE_NAME>**.
- **GET** downloads the contents of the log file. **<START_OFFSET>** and **<BYTE_COUNT>** are not

Values:

optional.
They provide a mechanism to preview log contents, or to download the file in chunks.

Examples:

LOG ALL

Gets a list of all available log files.

LOG 20040220-124054140.ebh DEL
Deletes the log file named 20040220-124054140.ebh.

LOG 20040220-124054140.ebh GET 0 765
Downloads bytes 0-765 of the specified log file.

13.12 NOP

Description:

The **NOP** [No Operation] command is a pseudo-command designed to keep the connection from the client open.

Parameters:

n/a

Details:

- An application may choose to send periodic **NOPS** to the server, to prevent firewalls, routers, or other hardware from severing an inactive connection.

Values:

n/a

Examples:

NOP

Tells the server the client is still connected.

13.13 REQUEST

Description:

The **REQUEST** command sends an email, notifying the remote backup administrator that the offline volume is being requested.

Parameters:

<VOLUME_ID>

Details:

- The entrée.BAK remote backup server enforces a disk space quota for its users. Each user is allocated a certain amount of disk space. When that disk space is used-up, the oldest backup volume for the user is moved "offline."
- Offline volumes are stored on tape, or other media, and can be restored to the remote backup server by a system administrator.
- A fee is charged for restoring an offline volume, as outlined in the service agreement for the remote backup option.

Values:

<VOLUME_ID>

Integer value representing the remote backup server's id for the offline volume.

Examples:

REQUEST 1234

Emails a request to the remote backup administrator to restore the offline volume 1234 from tape backup onto the server.

13.14 RESTORE

Description:

The **RESTORE** command restores files to their original location from the specified backup volume set.

Parameters:

<LOCATION_NAME>
<VOLUME_NAME> | <VOLUME_ID>
ALL | <FILE_LIST>

Details:

- **RESTORE** is capable of restoring files from either a local or remote backup volume.
- **RESTORE** requests will be rejected if the server is currently servicing another backup or restore request. Likewise, all other backup and restore requests will be rejected while processing the current request.
- Depending on the value of **<LOCATION_NAME>**, either **<VOLUME_NAME>** or **<VOLUME_ID>** will be specified.

Values:

<LOCATION_NAME> LOCAL

Restore from a local volume

<LOCATION_NAME> REMOTE

Restore from a remote volume

<VOLUME_NAME>

The name of the backup volume to restore from. This must be specified if **<LOCATION_NAME>** is **LOCAL**.

<VOLUME_ID>

The remote backup volume ID to restore from. This must be specified if **<LOCATION_NAME>** is **REMOTE**.

<FILE_LIST>

Comma-delimited list of all of the fully-qualified pathnames of files to restore from the specified volume.

Examples:

**RESTORE LOCAL 20040220-124054140.ebk
 ALL**

Restores the entire contents of the specified volume.

**RESTORE LOCAL 20040220-124054140.ebk
 C:\NECS\ARINVT01.DBF**

Restores a single file from the specified volume.

RESTORE REMOTE 1234 ALL

Restores the entire contents of the specified volume.

13.15 SCHEDULER

Description:	The SCHEDULER command gets / sets the configuration of the integrated backup event scheduler.
Parameters:	<pre> ALL DUMP <DAY_NAME> ALL DEL ADD <EVENT_ID> ALL <ELEMENT_NAME> SET <NEW_VALUE> </pre>
Details:	<ul style="list-style-type: none"> • The DUMP parameter returns a list of all configured events in the scheduler. • DEL permanently deletes an event from the specified <DAY_NAME>, and resequences the event list, if necessary. ADD appends a new event for the specified <DAY_NAME>. • SET configures individual options for the event's properties.
Values:	<pre> <DAY_NAME> SUN, MON, TUE, WED, THU, FRI, SAT Short day [3 letter] names <EVENT_ID> Integer value representing the event ID for the specified day <ELEMENT_NAME> EVENTTYPE 0 – Single event 1 – Recurring Event <ELEMENT_NAME> EVENTTIME HH:MM 24-hour time format defining when the event occurs. Only applicable if EVENTTYPE is 0. <ELEMENT_NAME> EVENTINTERVAL Integer value defining how often [in minutes, starting 12:00 AM] the recurring backup event gets executed. Only applicable if EVENTTYPE is 1. <ELEMENT_NAME> HISTORY TRUE / FALSE defining if the backup event should include history files [ARY*.*] in the backup volume. When TRUE, this option greatly increases the size of the backup. <ELEMENT_NAME> PURGETEMP TRUE / FALSE defining if the backup event should purge temporary files before performing its backup. When TRUE, this option generally reduces the size of the backup. <ELEMENT_NAME> SENDREMOTE TRUE / FALSE defining if the backup event should send a copy of the backup volume to the NECS remote backup servers. Only applicable if the product license permits remote backup operations. </pre>
Examples:	<pre> SCHEDULER DUMP Gets a list of all backup events. </pre>

SCHEDULER ALL

Gets [7] days, and how many events are defined for each day.

SCHEDULER SUN ALL

Gets a list of all backup events for Sunday.

SCHEDULER SUN 1 SENDREMOTE TRUE

Sunday's event #1 will send a copy of the generated backup volume to the remote server.

SCHEDULER SUN DEL 2

Deletes backup event #1 from Sunday's schedule.

13.16 SEARCH

Description:

The **SEARCH** returns a list of all files matching the search criteria.

Parameters:

<LOCATION_NAME>

<FILE_NAME>

<MIN_SIZE>

<MAX_SIZE>

<MIN_DATE>

<MAX_DATE>

Details:

- The **SEARCH** command enables searching both local and remote backup volumes for files based on their name, size, and last modified date.

Values:

<LOCATION_NAME> **LOCAL**

Searches local volumes only.

<LOCATION_NAME> **REMOTE**

Searches remote volumes only.

<LOCATION_NAME> **BOTH**

Searches remotely and locally.

<FILE_NAME>

A complete or partial filename to search for. To search for all files, the parameter may be *.

<MIN_SIZE>

The minimum file size to search for. The value may be 0, to search for any size.

<MAX_SIZE>

The maximum file size to search for. The value may be 0, to search for any size.

<MIN_DATE>

The minimum last modified date. Use 01/01/1980 to search for all.

<MAX_DATE>

The maximum last modified date. Use 01/01/1980 to search for all.

Examples:

```
SEARCH LOCAL ARINVT01 0 0 01/01/1980
01/01/1980
Searches all local volumes for all files with
ARINVT01 in the name

SEARCH BOTH * 4096 65536 01/01/1980
01/31/2004
Searches all local and remote volumes for
all files that are at least 4096 and at most
65536 bytes in size, and whose last
modified date is at most 01/31/2004.
```

13.17 SERIAL

Description: The **SERIAL** command authenticates the client session.

Parameters: <SERIAL_NO>

Details:

- Instead of enforcing a username / password style of authentication, entrée.BAK Server authenticates clients by the serial number provided.
- Each client will establish an authenticated session by providing a serial number that matches the server's.

Values: <SERIAL_NO>
The 20-digit serial number that is registered to the current installation of entrée.BAK Server.

Examples:

```
SERIAL 1234-5678-9012-3456
Authenticates the session with the
provided serial number.
```

13.18 SERVER

Description: The **SERVER** command gets special server state information.

Parameters: <ELEMENT_NAME>

Details:

- Instead of enforcing a username / password style of authentication, entrée.BAK Server authenticates clients by the serial number provided.
- Each client will establish an authenticated session by providing a serial number that matches the server's.

Values: <ELEMENT_NAME> CAPS
Returns the server license capabilities:

```
Trial
Registered
Remote
Server
Remote Space
```

<ELEMENT_NAME> CLIENTS
Returns a list of clients currently connected to the server. The current connection is always suffixed by an asterisk *.

<ELEMENT_NAME> LOCAL

Returns True/False denoting if the current client session originated from the computer as the host. Certain functions are restricted to local clients.

<ELEMENT_NAME> RESTART

Signals the service to restart. All clients are disconnected, and all operations are stopped.

<ELEMENT_NAME> STATUS

Returns the current status of the server:

- 00000 – The service is stopped.
- 00001 – The service is started and ready.
- 00002 – Servicing a backup operation.
- 00003 – Servicing a restore operation.

Examples:

SERVER STATUS

Gets the current status of the server.

SERVER CLIENTS

Gets the list of clients currently connected.

SERVER RESTART

Forces the server to restart.

13.19 TRACE

Description:

The **TRACE** command gets / sets the session trace option.

Parameters:

<none> | <ON | OFF>

Details:

- The session trace option writes all server response data to a log file.
- A folder in the installed application directory is created [if necessary] with the name **Trace**.
- A unique date/time-stamped directory is created under the **Trace** directory, and within that directory, a file named **trace_<THREAD_ID>.log**.
- The thread ID is the ID of the thread handling the socket connection between the server and client.
- If **TRACE** is called with no parameters, then the current **TRACE** status is returned.
- The trace log is closed when the session is terminated, or the trace option is explicitly turned **OFF**.

Values:

n/a

Examples:

TRACE

Gets the current status of the session trace.

TRACE ON

Enables the session trace.

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