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1   Overview

1.1   What is BFTelnet ?

Advantages at a glance

- Facilitates telnet access to your computer from anywhere in the world
- Integrates with Windows security
- Runs as a service for reliability
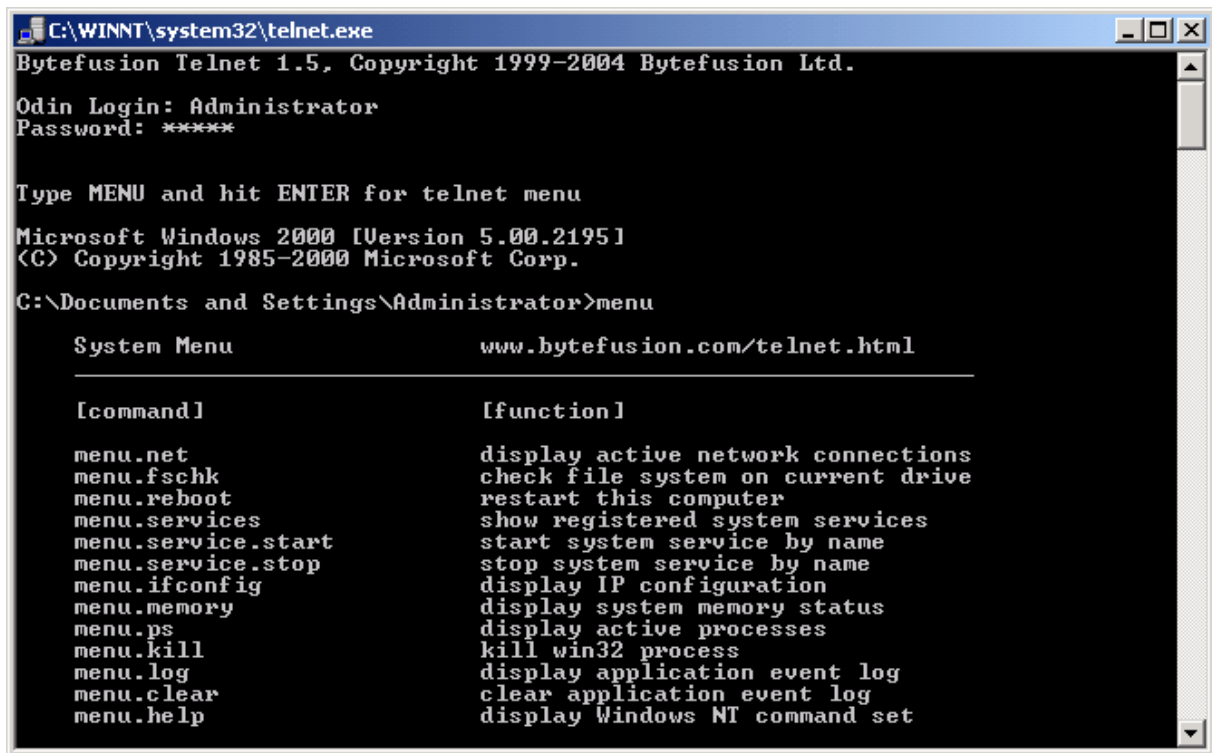- Gives you remote administration of NT/2000/XP/2003

BFTelnet is a telnet server for Microsoft Windows NT/2000/XP/2003. It facilitates remote administration of your Windows NT server from any computer via a standard TCP/IP network connection.

- Ease of Use
- No Connection Limits
- Lightweight Design
- True System Service
- Supports Standard Admin Tasks
- Known Limitations

1.2   BFTelnet Features

- **Ease of Use**

BFTelnet accepts telnet connections from UNIX clients, Windows NT/2000/XP/2003, Windows 95/98, and others, right out of the box.

```
C:\WINNT\system32\telnet.exe                                          _ □ X
Bytefusion Telnet 1.5, Copyright 1999-2004 Bytefusion Ltd.              ▲

Odin Login: Administrator
Password: *****


Type MENU and hit ENTER for telnet menu

Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

C:\Documents and Settings\Administrator>menu

    System Menu                    www.bytefusion.com/telnet.html
    _____

    [command]                      [function]

    menu.net                       display active network connections
    menu.fschk                     check file system on current drive
    menu.reboot                    restart this computer
    menu.services                  show registered system services
    menu.service.start             start system service by name
    menu.service.stop              stop system service by name
    menu.ifconfig                  display IP configuration
    menu.memory                    display system memory status
    menu.ps                        display active processes
    menu.kill                      kill win32 process
    menu.log                       display application event log
    menu.clear                     clear application event log
    menu.help                      display Windows NT command set      ▼
```

- **No Connection Limits**

Our licensing policy imposes no connection limits. You can maintain as many client connections to a single server as your hardware will support.

- **Lightweight Design**

The idle time RAM footprint of BFTelnet is approximately 100 Kilobytes. This makes BFTelnet unobtrusive and versatile. It operates with minimum impact on other applications.
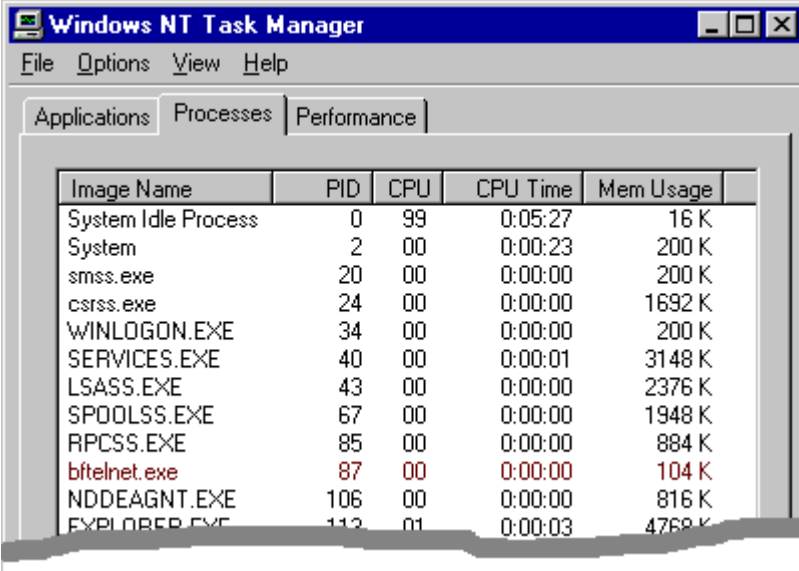
- **True System Service**

BFTelnet operates as a true NT/2000/XP system service - invisibly in the background. It is started automatically by the operating system at boot time and continues to operate after the user has logged off.

- **Supports Standard Admin Tasks**

BFTelnet features a system menu that allows administrators to carry out standard maintenance tasks conveniently and easily via a standard telnet session : start and stop system services, display active processes, reboot the system, view the application event log, and more.

```
Telnet - localhost                                           _ □ ✕
Connect  Edit  Terminal  Help
C:\>menu

    System Menu                  www.bytefusion.com/telnet.html


    _____

    [command]                    [function]

    menu.net                     display active network connections
    menu.fschk                   check file system on current drive
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    menu.ps                      display active processes
    menu.kill                    kill win32 process
    menu.log                     display application event log
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C:\>█
```
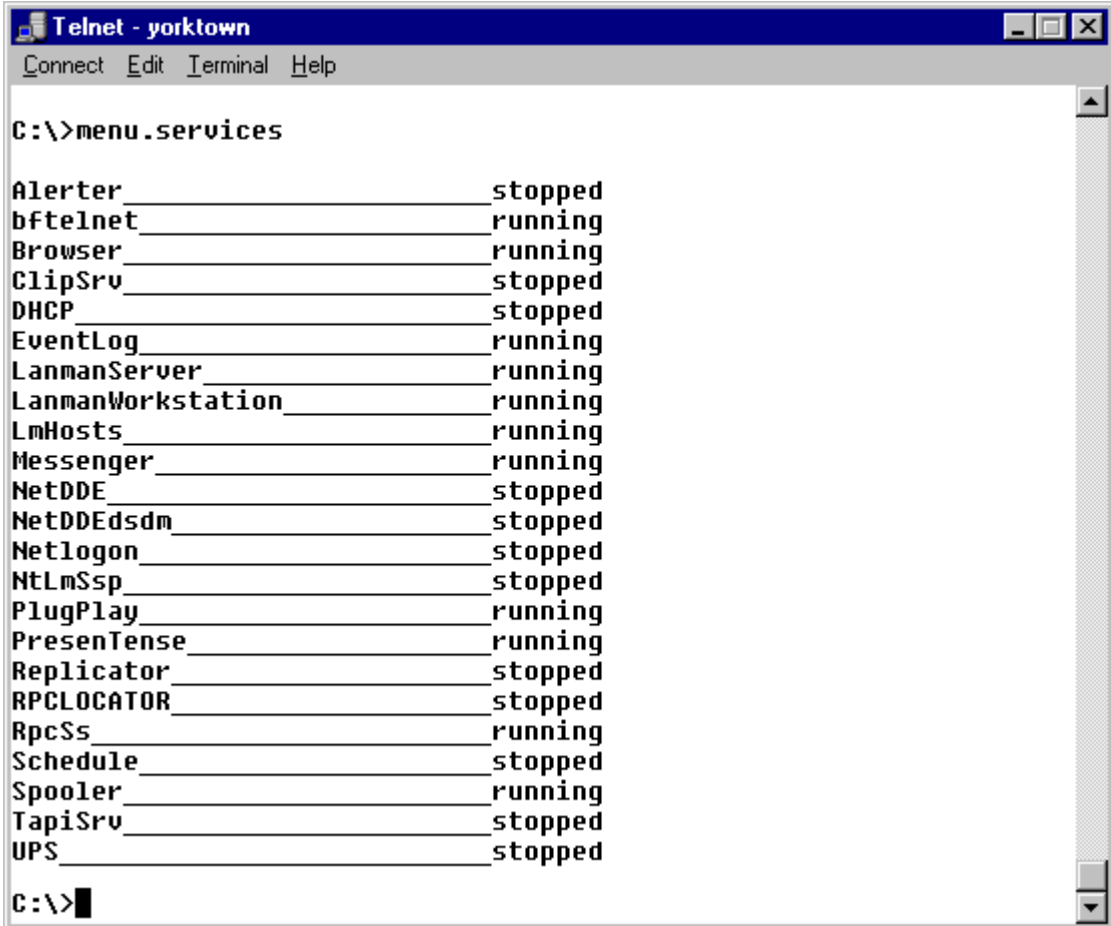
```
Telnet - yorktown                                            _ □ ✕
Connect  Edit  Terminal  Help

C:\>menu.ps

system idle process          PID: 0
system                       PID: 2
smss.exe                     PID: 20
csrss.exe                    PID: 24
winlogon.exe                 PID: 34
services.exe                 PID: 40
lsass.exe                    PID: 43
spoolss.exe                  PID: 67
bftelnet.exe                 PID: 76
PresenTense.exe              PID: 81
RpcSs.exe                    PID: 84
nddeagnt.exe                 PID: 64
Explorer.exe                 PID: 113
SysTray.Exe                  PID: 123
telnet.exe                   PID: 70
cmd.exe                      PID: 45

C:\>█
```

```
Telnet - yorktown                                              _ □ ✕
Connect  Edit  Terminal  Help

C:\>menu.services

Alerter_____stopped
bftelnet_____running
Browser_____running
ClipSrv_____stopped
DHCP_____stopped
EventLog_____running
LanmanServer_____running
LanmanWorkstation_____running
LmHosts_____running
Messenger_____running
NetDDE_____stopped
NetDDEdsdm_____stopped
Netlogon_____stopped
NtLmSsp_____stopped
PlugPlay_____running
PresenTense_____running
Replicator_____stopped
RPCLOCATOR_____stopped
RpcSs_____running
Schedule_____stopped
Spooler_____running
TapiSrv_____stopped
UPS_____stopped

C:\>█
```

- **Known Limitations**

BFTelnet primarily supports batch oriented program output. Full screen, interactive console applications are not supported. This limitation is due to the difference between UNIX and Windows console applications. Under UNIX, the interaction between an application and its terminal models the client/server paradigm where the application sends output as a byte stream to the terminal which in turn displays the output on behalf of the application. Hence, UNIX telnet sessions merely redirect the output to the telnet client. Under Windows, many console applications write directly to screen memory instead of the standard output device. Thus redirecting standard output fails to capture the display. Windows telnet servers that support full screen applications typically do so by continuously scanning screen memory and propagating changes to the telnet session. With this approach, screen updates may be lost if the scanning frequency is too low. However, CPU performance declines seriously with increased scanning frequency. BFTelnet has been designed to operate with a minimum impact on other applications and the operating system and therefore utilizes input / output redirection to support batch oriented program output.

1.3   Configuring BFTelnet

BFTelnet is configured via the BFTelnet control panel applet. On the taskbar, click start, then settings, and select control panel . This will invoke the BFTelnet control panel applet. Select the administration tab to configure the service.

- **Service Status**

To start and stop the service, use the start and stop buttons respectively. The animated icon indicates the service status. By default, the service starts automatically on system boot up.

- **Self Test**

Use this feature to initiate a self test. This will launch the default telnet client and connect to "localhost" at the configured telnet port.

- **Listen On Port**

The standard telnet port is port 23. By default telnet clients contact servers at this port. However, you may configure the service to listen for telnet connections on a different port. Some system administrators use this feature as a security measure.

- **Timeout Seconds**

This parameter determines how long the server waits before disconnecting an idle client connection. Use a value of zero if you wish idle connections to persist indefinitely.

- **Enable Logging**

If this option is enabled, BFTelnet will record relevant information in the Windows NT application event log. This includes user logons, as well as service start and stop.

- **Enable Startup Script**

If this option is enabled, BFTelnet will search the user's "home" directory for a script named "BFTELNET.BAT" and execute the same whenever the user logs in. The user's home directory is deemed to be the user's default login directory, usually located under "C:\Winnt\Profiles\<user name>\".

1.4 System Requirements

- A Personal Computer with a 486/100 MHz CPU or higher
- Microsoft Windows NT 4.0, Windows 2000, Windows XP or Windows 2003
- Mouse or compatible pointing device
- 800 KB of hard-disk space

Also Required:

- TCP/IP networking must be installed and configured

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2 About

2.1 BFTelnet

BFTelnet
Telnet Server
Version 1.5
For Windows NT / 2000 / XP
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