

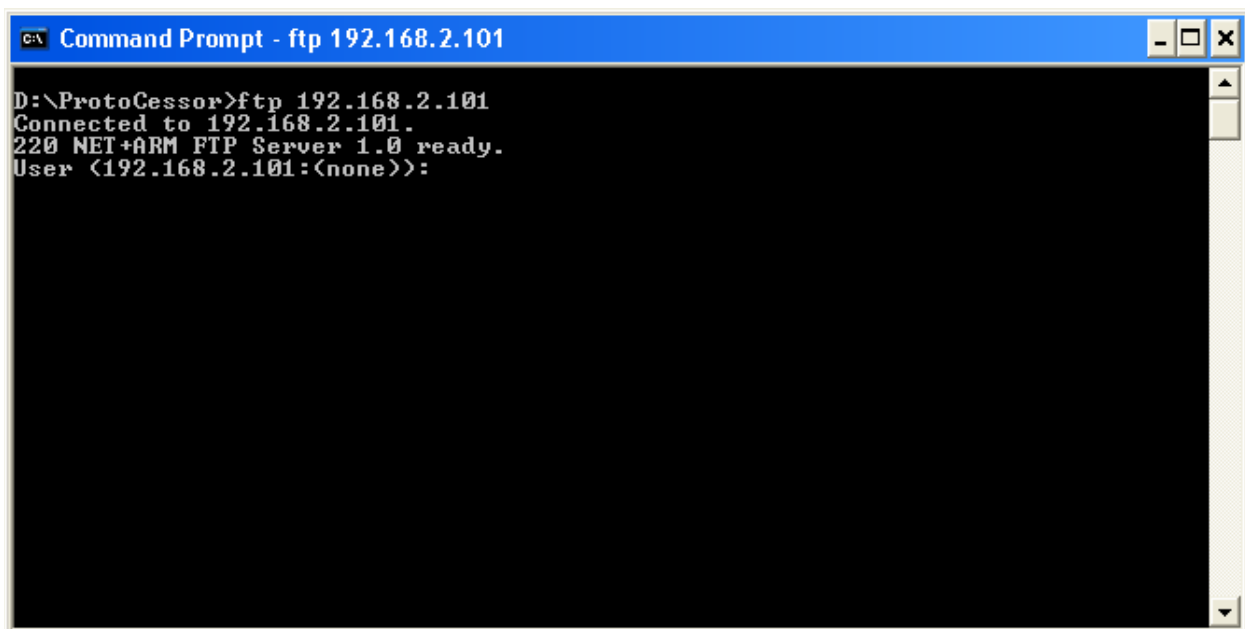
Recovering a ProtoCessor from a bad download

Introduction

This eNote describes the procedure for recovering a ProtoCessor from a bad download.

Procedure

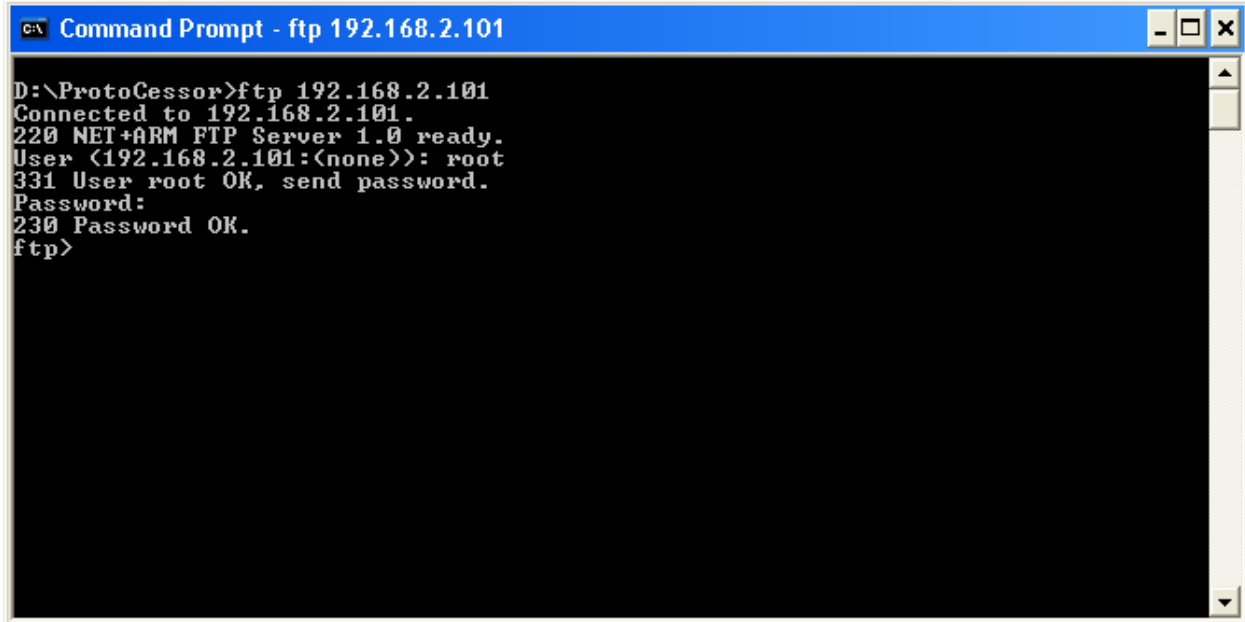
1. Obtain the following from FieldServer Technologies Technical Support:
 - Recovery Firmware
 - Original Firmware
 - RUINET Executable
 - Original Configuration File
2. Physical Connection Setup
 - Set your computer to a static IP address to match the IP subnet of the ProtoCessor. The default IP address of the ProtoCessor is 192.168.1.24.
 - Connect the ProtoCessor to your computer using one of the following:
 - A crossover ethernet cable for a direct connection
 - A straight-through ethernet cable with a hub or switch
3. Downloading firmware to the ProtoCessor
 - Copy the recovery and original firmware bin files to a folder on the PC.
 - Open a Dos Prompt and go to the folder where the bin files are stored.
 - Type the following command: ftp {ip Address of ProtoCessor}
 - Example: ftp 192.168.1.24
 - Press the enter key.



```
C:\ Command Prompt - ftp 192.168.2.101
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User <192.168.2.101:(none)>:
```

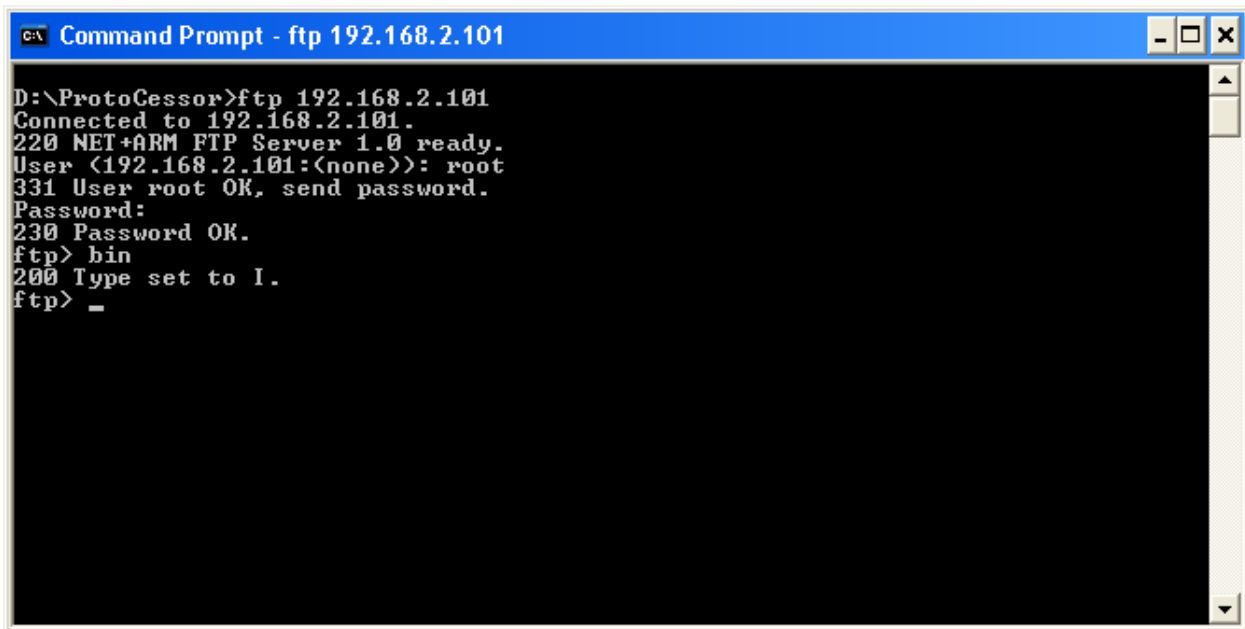
- To login, please enter the following: User: root Password: Netsilicon

- If Login is successful, the following message will appear:



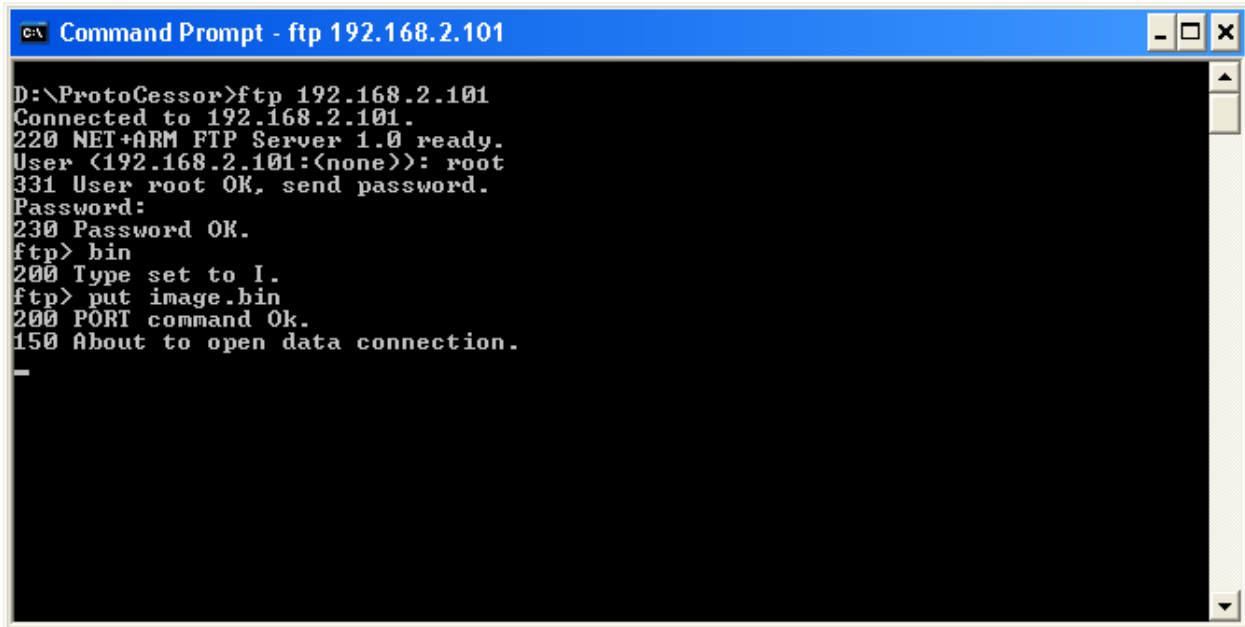
```
Command Prompt - ftp 192.168.2.101
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User (192.168.2.101:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp>
```

- Type bin and press the enter key.



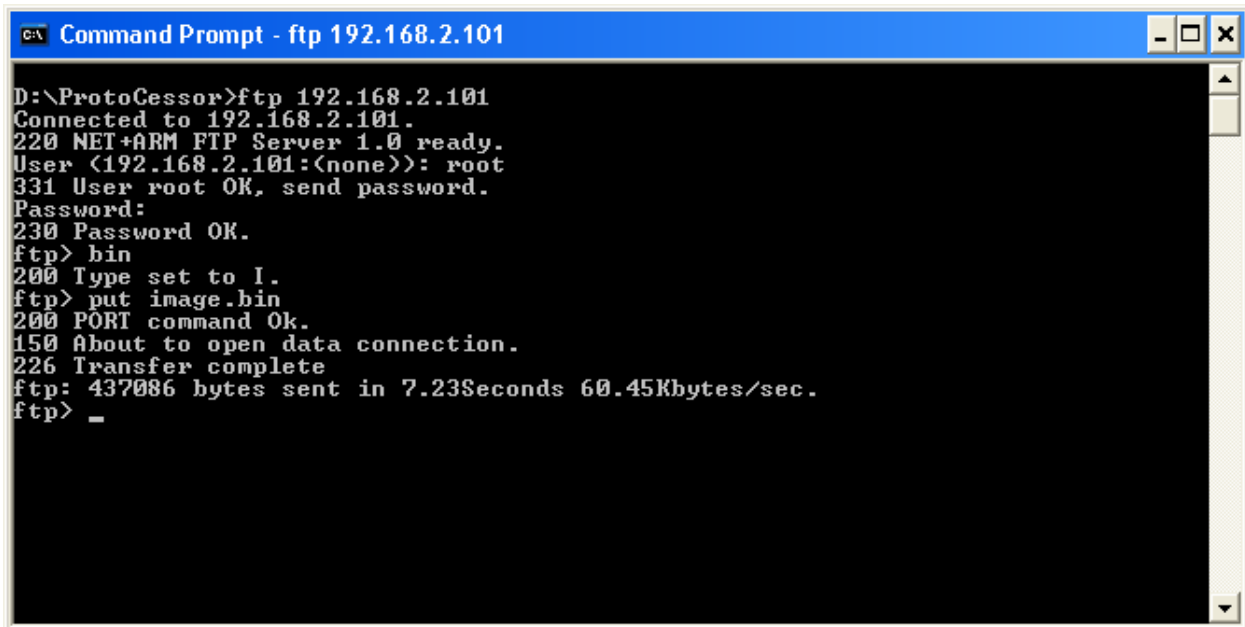
```
Command Prompt - ftp 192.168.2.101
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User (192.168.2.101:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp> bin
200 Type set to I.
ftp> _
```

- Type the following command: `put {firmware file name} {image.bin}`
Example: `put recover.bin image.bin`
- Press the enter key. This will store the bin file as image.bin on the ProtoCessor.



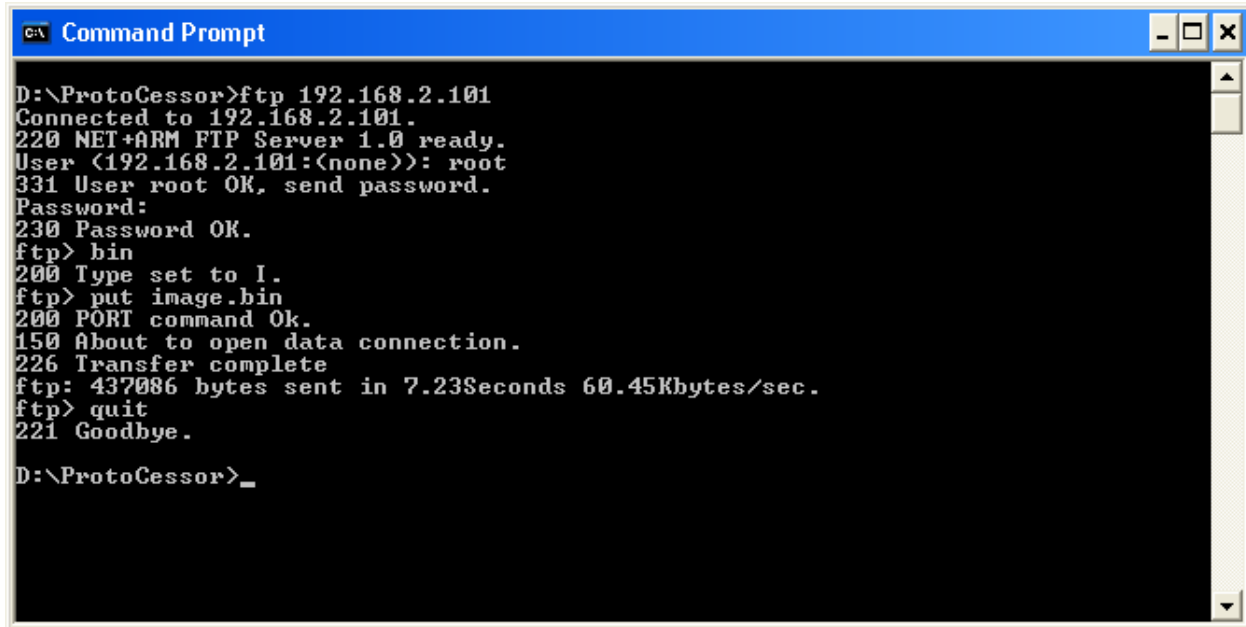
```
Command Prompt - ftp 192.168.2.101
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User (192.168.2.101:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp> bin
200 Type set to I.
ftp> put image.bin
200 PORT command Ok.
150 About to open data connection.
-
```

- The recovery firmware is now downloading. Once the download is over, the following message will appear:



```
Command Prompt - ftp 192.168.2.101
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User (192.168.2.101:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp> bin
200 Type set to I.
ftp> put image.bin
200 PORT command Ok.
150 About to open data connection.
226 Transfer complete
ftp: 437086 bytes sent in 7.23Seconds 60.45Kbytes/sec.
ftp> -
```

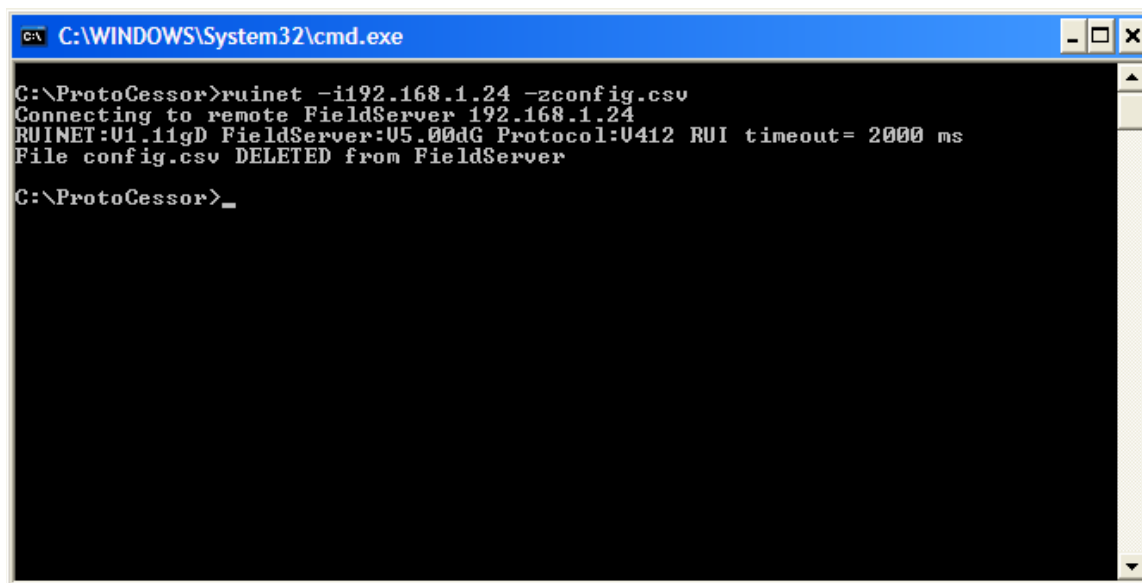
- Type "quit" and press the enter key. DO NOT recycle the power to the ProtoCessor. The ProtoCessor will reset itself after 15 sec.



```
C:\ Command Prompt
D:\ProtoCessor>ftp 192.168.2.101
Connected to 192.168.2.101.
220 NET+ARM FTP Server 1.0 ready.
User (192.168.2.101:(none)): root
331 User root OK, send password.
Password:
230 Password OK.
ftp> bin
200 Type set to I.
ftp> put image.bin
200 PORT command Ok.
150 About to open data connection.
226 Transfer complete
ftp: 437086 bytes sent in 7.23Seconds 60.45Kbytes/sec.
ftp> quit
221 Goodbye.

D:\ProtoCessor>_
```

- Once the ProtoCessor is up, it will be running the recovery firmware.
- 4. Deleting a Bad Configuration from the ProtoCessor
 - Copy the RUINET executable to a folder on PC.
 - Open a Dos Prompt and go to the folder where the executable is stored.
 - Type the following command: `ruinet -i{ip Address of ProtoCessor} -zconfig.csv`
Example: `ruinet -i192.168.1.24 -zconfig.csv`
 - Press the enter key.
 - The following message will appear:



```
C:\WINDOWS\System32\cmd.exe
C:\ProtoCessor>ruinet -i192.168.1.24 -zconfig.csv
Connecting to remote FieldServer 192.168.1.24
RUINET:U1.11gD FieldServer:U5.00dG Protocol:U412 RUI timeout= 2000 ms
File config.csv DELETED from FieldServer

C:\ProtoCessor>_
```

5. Restoring Original Firmware

- Download the nlproto.bin file and follow the procedure as above, replacing 'recover.bin' with 'nlproto.bin'.
- When finished, the ProtoCessor will now show up un-configured in RUINET.
- Use RUINET to download the original configuration file to the ProtoCessor.