

GTP-32/DC20/CP20 Software Upgrade Procedure

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Revision History

Rev 12/06/05 Erkan Altan - Original Document Rev
Rev 12/07/05 F-RH – added illustration
Rev 07/05/06 F-RH – deleted unzip instructions
Rev 06/16/15 Randy R – Added System Upgrade via Web Browser
Rev 05/04/16 Randy R – Added System Upgrade via Filezilla

*******!!CAUTION!!*******

SOFTWARE DESIGNATED WITH AN “A” AT THE END OF THE SOFTWARE VERSION CAN ONLY BE INSTALLED ON REV 2 HARDWARE. EX (VX.XXA).

SOFTWARE DESIGNATED WITH AN “N” AT THE END OF THE SOFTWARE VERSION CAN ONLY BE INSTALLED ON REV 3 HARDWARE. EX (VX.XXN).

INSTALLING INCORRECT VERSION WILL CAUSE DEVICE FAILURE.

System Upgrade via Filezilla

To upgrade a DNF Flex System product (GTP-32/DC20/CP20) it is necessary to put the DNF provided upgrade file with the .tar extension into the root directory of the Flex System unit. An easy way to accomplish this is to use FileZilla which is a third party FTP client application.

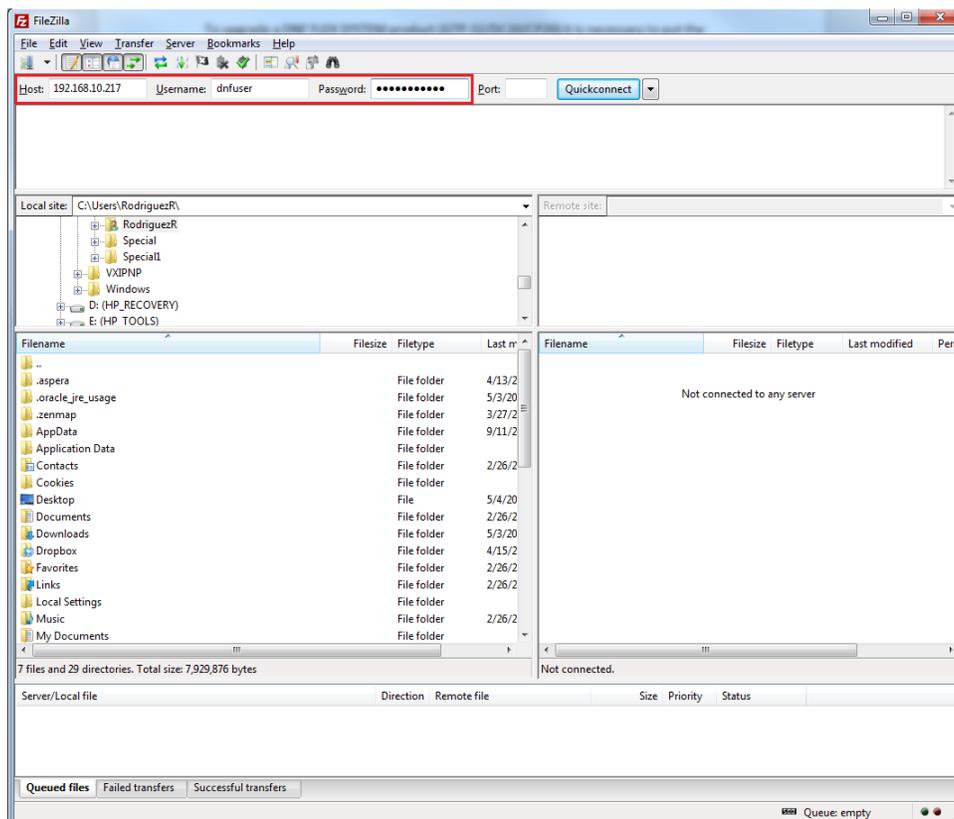
Connect a computer to the FLEX SYSTEM unit through an Ethernet hub or use a crossover cable using Enet port 1. Make sure the upgrade file with the .tar extension is NOT Read-Only. When this file is copied to the unit, it will be deleted after the extraction. Therefore it needs to be writeable.

Follow these steps:

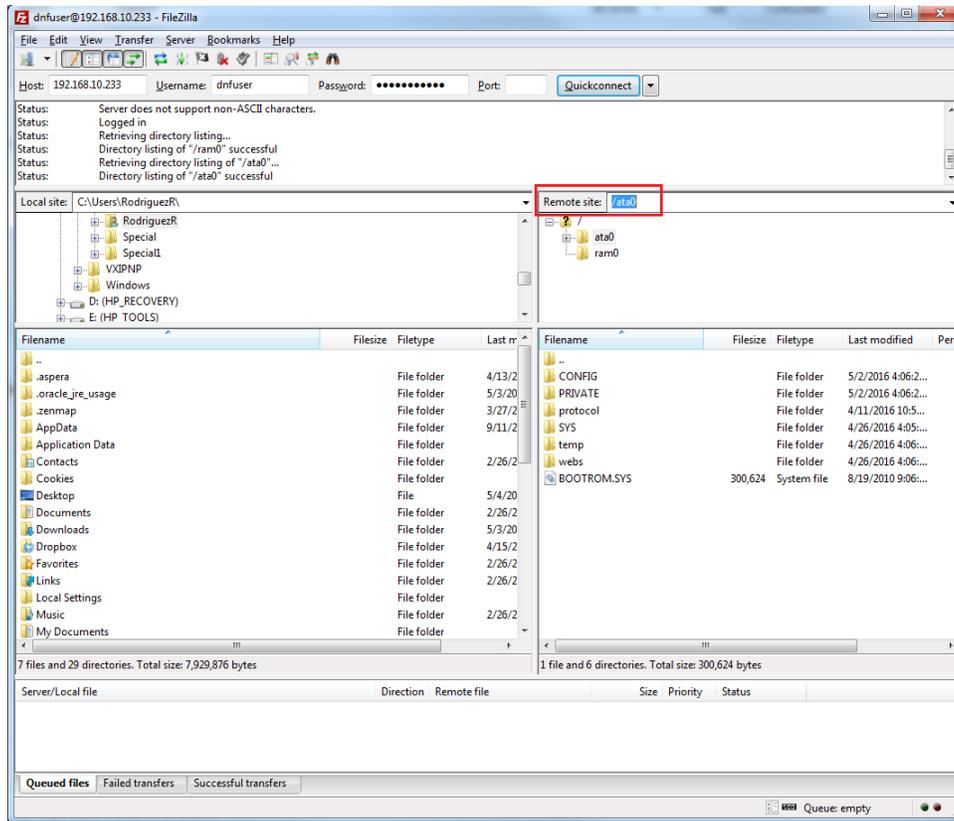
Note: Must have FileZilla FTP Client software installed.
The system being upgraded will be referred to as “unit” for the remainder of the document.

1. Open the FileZilla FTP client software. At the top of the page enter the HOST (IP Address), username and password.

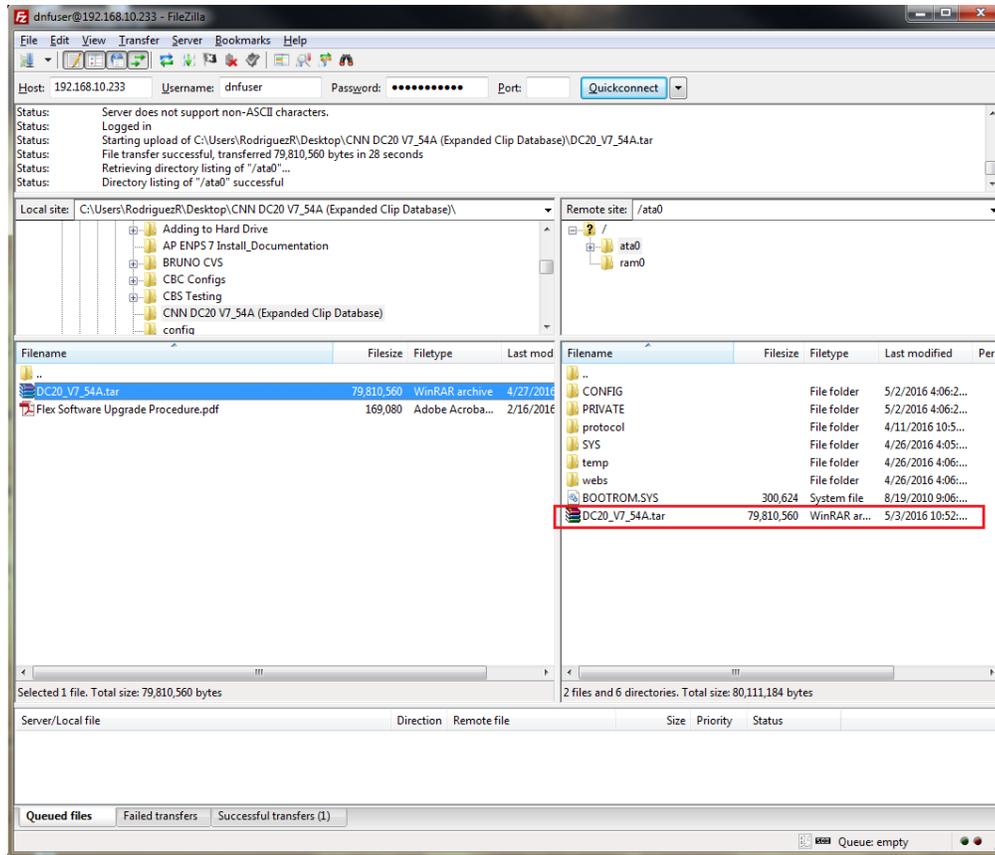
Username: **dnfuser** Password: **st5controls**



2. Once you have successfully retrieved the directory listing, Navigate to the “/ata0” directory by entering “/ata0” in the Remote site window:



3. Drag and drop the upgrade file with the .tar extension provided to you by DNF into the root directory of “/ata0”:



4. After the upgrade file has successfully transferred over please close FileZilla and reboot the panel.

Reboot

After the upgrade file is copied into the “/ata0” root directory, reboot the unit. When the unit comes up, it will detect the presence of the upgrade file, extract the files, and reboot itself (again) automatically.

After automatic reboot, the system will be fully operational, no existing configuration files will be modified or deleted.

In the rare occasion of the unit not rebooting automatically, after 5 minutes, manually power cycle the unit. It will restart the system normally with the new upgraded files.

System Upgrade via FTP

To upgrade a DNF Flex System product (GTP-32/DC20/CP20) it is necessary to put the DNF provided upgrade file with the .tar extension into the root directory of the Flex System unit. An easy way to accomplish this is to use the FTP program provided with the MS Windows operating system. Connect a computer to the Flex System unit through an Ethernet hub or use a crossover cable using Enet port 1. Make sure the upgrade file with the .tar extension is NOT Read-Only. When this file is copied to the unit, it will be deleted after the extraction therefore it needs to be writeable.

Follow these steps:

Note: Any Windows Operating System ONLY See illustration at end of section. The system being upgraded will be referred to as “unit” for the remainder of the document.

If the upgrade file with the .tar extension provided from DNF contains a name other than “system.tar” please use the updated upgrade file name for steps 1-9.

1. Save the upgrade file with .tar extension to the C: drive root directory on the computer that will be used to upload the file to the unit.
2. Copy the upgrade file with .tar extension via Microsoft Windows FTP:
Click “Start” then “Run” then type “CMD” in the run box then click OK. This will open a DOS window.
3. Change Directory to where the upgrade file with .tar extension resides:
Type “C:” Press “Enter”
Type “cd\”, Press “Enter”
4. Start a FTP session:
Type “ftp XXX.XXX.XXX.XXX”,
Press “Enter”. (XXX.XXX.XXX.XXX = IP address of unit)
5. Enter username = **dnfuser** and password = **st5controls**:
Type “dnfuser”, Press “Enter”
Type “st5controls”, Press “Enter”
6. When the connection is established, set the transfer mode to binary:
Type “bin”, Press “Enter”

7. Change to the /ata0/ directory:
Type "cd /ata0/", Press "Enter" (ataZERO)
8. Copy the upgrade file with .tar extension to the /ata0/ directory:
Type "put system.tar", if file is named differently please use the updated file name.
Press "Enter".
The front panel COM1 LED will flash rapidly.
9. After the transfer is complete confirm that the file was copied:
Type "dir", Press "Enter"
Check to see that the filename "system.tar" exists.
10. Exit FTP session:
Type "quit", Press "Enter".
11. Exit DOS window:
Type "exit", Press "Enter"

Reboot

After the upgrade file is copied to the unit's Compact Flash disk, reboot the unit. When the unit comes up, it will detect the presence of the upgrade file, extract the files, and reboot itself (again) automatically.

After automatic reboot, the system will be fully operational, no existing configuration files will be modified or deleted.

In the rare occasion of the unit not rebooting automatically, after 5 minutes, manually power cycle the unit. It will restart the system normally with the new upgraded files.

DOS window illustration.

```
C:\WINNT\system32\cmd.exe
Microsoft Windows 2000 [Version 5.00.2195]
(C) Copyright 1985-2000 Microsoft Corp.

H:\>c:
C:\>cd\
C:\>ftp 192.168.10.36
Connected to 192.168.10.36.
220 UxWorks (5.4.2) FTP server ready
User (192.168.10.36:(none)): dnfuser
331 Password required
Password:
230 User logged in
ftp> cd /ata0/
250 Changed directory to "/ata0/"
ftp> bin
200 Type set to I, binary mode
ftp> put system.tar
200 Port set okay
150 Opening BINARY mode data connection
226 Transfer complete
ftp: 18022400 bytes sent in 23.32Seconds 772.73Kbytes/sec.
ftp> dir
200 Port set okay
150 Opening ASCII mode data connection
  size            date            time            name
-----
  497735          Aug-27-2005     15:18:42        BOOTROM.SYS
    2048           Jan-01-1980     00:10:08         SYS                <DIR>
    2048           Feb-06-2106     00:24:04         config              <DIR>
    2048           Feb-06-2106     00:24:04         PRIVATE            <DIR>
    2048           Feb-06-2106     00:23:08         protocol           <DIR>
    2048           Dec-07-2005     12:38:30         TEMP               <DIR>
    2048           Feb-06-2106     00:23:46         webs               <DIR>
18022400          Dec-07-2005     13:20:58        system.tar

226 Transfer complete
ftp: 559 bytes received in 0.01Seconds 55.90Kbytes/sec.
ftp> quit
221 Bye...see you later

C:\>exit_
```