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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

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.

	Decovords encouncies	Dort	Quickconnect			
Use indicativ	Password:	Four:	Quickconnect			
cal site: C:\Users\RodriguezR\		•	Remote site:			-
in- 🧟 RodriguezR		*				_
🗊 - 🛺 Special						
Special1						
VXIPNP						
D: (HP RECOVERY)						
E: (HP TOOLS)		-				
ename	Filesize Filetype	Last m ^	Filename	Filesize Filetype	Last modified	
.aspera	File folder	4/13/2				
oracle_jre_usage	File folder	5/3/20		Not connected to any server		
.zenmap	File folder	3/27/2 ≡				
AppData	File folder	9/11/2				
Application Data	File folder					
Contacts	File folder	2/26/2				
Cookies	File folder					
Desktop	File	5/4/20				
Documents	File folder	2/26/2				
Downloads	File folder	5/3/20				
Dropbox Enumited	File folder	4/15/2				
linke	File folder	2/20/2				
Local Settings	File folder	2/20/2				
Music	File folder	2/26/2				
My Documents	File folder					
m		F.	•	III		
les and 29 directories. Total size: 7,929,876 bytes			Not connected.			
p/er/l ocal file	Direction Remo	te file	Size Pr	iority Status		_
aver, cocar me						

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:

dnfuser@192.168.10.233 - FileZilla				-	-		x
<u>File Edit View Transfer Server Bookmarks Help</u>							_
1 - R = X = X = X = R = R	ř 6						
Host: 192.168.10.233 Username: dnfuser	Pass <u>w</u> ord:	Port:	Quickconnect 💌				
Status: Server does not support non-ASCII characters Status: Logged in Status: Retrieving directory listing Status: Directory listing of '/ram0' successful Status: Directory listing of '/rat0' Status: Directory listing of '/rat0' successful	5.						4 111
Local site: C:\Users\RodriguezR\		•	Remote site: //ata0				_
		^ 	20 / ⊕-30 ata0 30 ram0				
Filename	Filesize Filetype	Last m ^	Filename	Filesize	Filetype	Last modified	Per
a			a				
aspera	File folder	4/13/2	CONFIG		File folder	5/2/2016 4:06:2	
oracle ire usage	File folder	5/3/20	PRIVATE		File folder	5/2/2016 4:06:2	
zenman	File folder	3/27/2 ≡	protocol		File folder	4/11/2016 10:5	
AppData	File folder	9/11/2			File folder	4/26/2016 4:05:	
Application Data	File folder	5/11/2	temn		File folder	4/26/2016 4:05:	
- Appreciation Data	File folder	2/26/2	webr		File folder	4/26/2016 4:06:	
Contacts	File folder	2/20/2-		200.624	Surteen file	9/10/2010 0.06	
Desisten	File Tolder	5/4/20	BOOTKOW.313	500,024	systemme	8/19/2010 9:00:	
Desktop	File failer	3/4/20					
Documents Documents	File folder	Z/20/2 E/2/20					
Downloads	File folder	3/3/20					
	File tolder	4/15/2					
Pavorites	File folder	2/20/2					
CINKS	File folder	2/20/2					
Local Settings	File folder	2/25/22					
Music	File folder	2/20/2					
My Documents	File folder	*					
7 files and 29 directories. Total size: 7,929,876 bytes	1 file and 6 directories. Total size: 300.624 bytes						
Server/Local file	Direction Remo	to file	, Size Dr	iority Status			
Queued files Failed transfers Successful transfers							
					🗄 🎟 Queue	empty 🔹	۲

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

dnfuser@192.168.10.233 - FileZilla								x
<u>File Edit View Transfer Server Bo</u>	okmarks <u>H</u> elp							
	k ኛ 🗉 🕂 📅 🖍							
Host: 192.168.10.233	Infuser Pass <u>w</u> ord:	•••••	Port:	Quickconnect 🔻				
Status: Server does not support n Status: Logged in Status: Starting upload of C:\User Status: File transfer successful, tr Status: Retrieving directory listing Status: Directory listing of "/ata0"	on-ASCII characters. s\RodriguezR\Desktop\CNN DC insferred 79,810,560 bytes in 28 s i of "/ata0" successful	20 V7_54A (Expanded econds	l Clip Database)\DC20_V7_54A.tar				-
Local site: C:\Users\RodriguezR\Desktop\	CNN DC20 V7_54A (Expanded C	lip Database)\	-	Remote site: /ata0				_
G → Adding to Ha → A P ENPS 7 In: B → BRUNO CVS G → CBC Configs B → CBS Testing → CNN DC20 V7 → CNN DC20 V7	rd Drive tall_Documentation _54A (Expanded Clip Database)		·	20 / ata0 in ram0				
Filename	File	ize Filetype	Last mod	Filename	Filesize	Filetype	Last modified	Per
DC20, V7, 54A.tar	79, <u>810.</u> 169 <i>j</i>	60 WinRAR archiva	4/27/2016	CONFIG CONFIG Protocol SYS weebs BOOTROM.SYS COURDM.SYS COURDM.SYS	300,624 79,810,560	File folder File folder File folder File folder File folder System file WinRAR ar	5/2/2016 4:06:2 5/2/2016 4:06:2 4/11/2016 10:5 4/26/2016 4:06: 4/26/2016 4:06: 8/19/2010 9:06: 5/3/2016 10:52:	
•	III		•	•	III			•
Selected 1 file. Total size: 79,810,560 bytes			2 files and 6 directories. Total size: 80,111,184 bytes					
Server/Local file		Direction Remote	file	Size P	riority Status			
Queued files Failed transfers Su	ccessful transfers (1)					🛛 🗺 Queue:	empty •	•

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.
- 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.
- Change Directory to where the upgrade file with .tar extension resides: Type "C:" Press "Enter" Type "cd\", Press "Enter"
- Start a FTP session: Type "ftp XXX.XXX.XXX.XXX", Press "Enter". (XXX.XXX.XXX.XXX = IP address of unit)
- 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"

- Change to the /ata0/ directory: Type "cd /ata0/", Press "Enter" (ataZERO)
- 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.
- 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 - 0 × 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 VxWorks (5.4.2) FTP server ready User (192.168.10.36:(none)): dnfuser 331 Password required 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 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 time date name Aug-27-2005 Jan-01-1980 Feb-06-2106 Feb-06-2106 Feb-06-2106 Dec-07-2005 Feb-06-2106 Dec-07-2005 15:18:42 00:10:08 00:24:04 00:24:04 00:23:08 12:38:30 00:23:46 13:20:58 497735 2048 2048 BOOTROM.SYS SYS <DIR> config PRIVATE <DIR> <DIR> 2048 2048 2048 2048 2048 protocol TEMP <DIR> <DIR> webs <DIR> 18022400 system.tar 226 Transfer complete ftp: 559 bytes received in 0.01Seconds 55.90Kbytes/sec. ftp> quit 221 Bye...see you later C:\>exit_

*