



VARIAN

How to upgrade the 850-MIB firmware

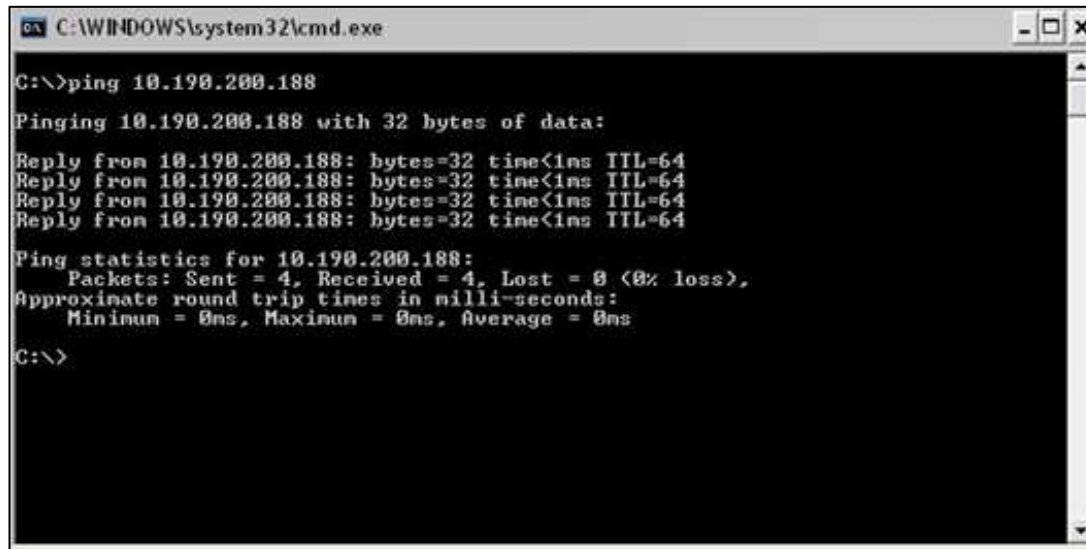
Introduction

- Upgrading the 850-MIB firmware is simply placing an upgrade file into the MIB ftp server and after that, rebooting the MIB.
- An upgrade file is named as follows: **update_Varian_850-MIB_vX.XXX.tgz**, for firmware version 1.002 the file is named **update_Varian_850-MIB_v1.002.tgz**.
- Place the upgrade file in your hard drive and follow the following steps to upgrade you MIB.



Step 1: check the IP address of the MIB

- Before starting the upgrade procedure you must be sure that the 850-MIB has a valid IP address. If it is the case you should be able to 'ping' it. Open a '**Command Prompt**' window (Start menu/All programs/Accessories/Command Prompt), and type '**ping 10.190.200.188**' (replace the IP address here by your MIB one, for the example I will use address 10.190.200.188 in this entire document). See screenshot below:



```
C:\WINDOWS\system32\cmd.exe
C:\>ping 10.190.200.188

Pinging 10.190.200.188 with 32 bytes of data:
Reply from 10.190.200.188: bytes=32 time<1ms TTL=64
Reply from 10.190.200.188: bytes=32 time<1ms TTL=64
Reply from 10.190.200.188: bytes=32 time<1ms TTL=64
Reply from 10.190.200.188: bytes=32 time<1ms TTL=64

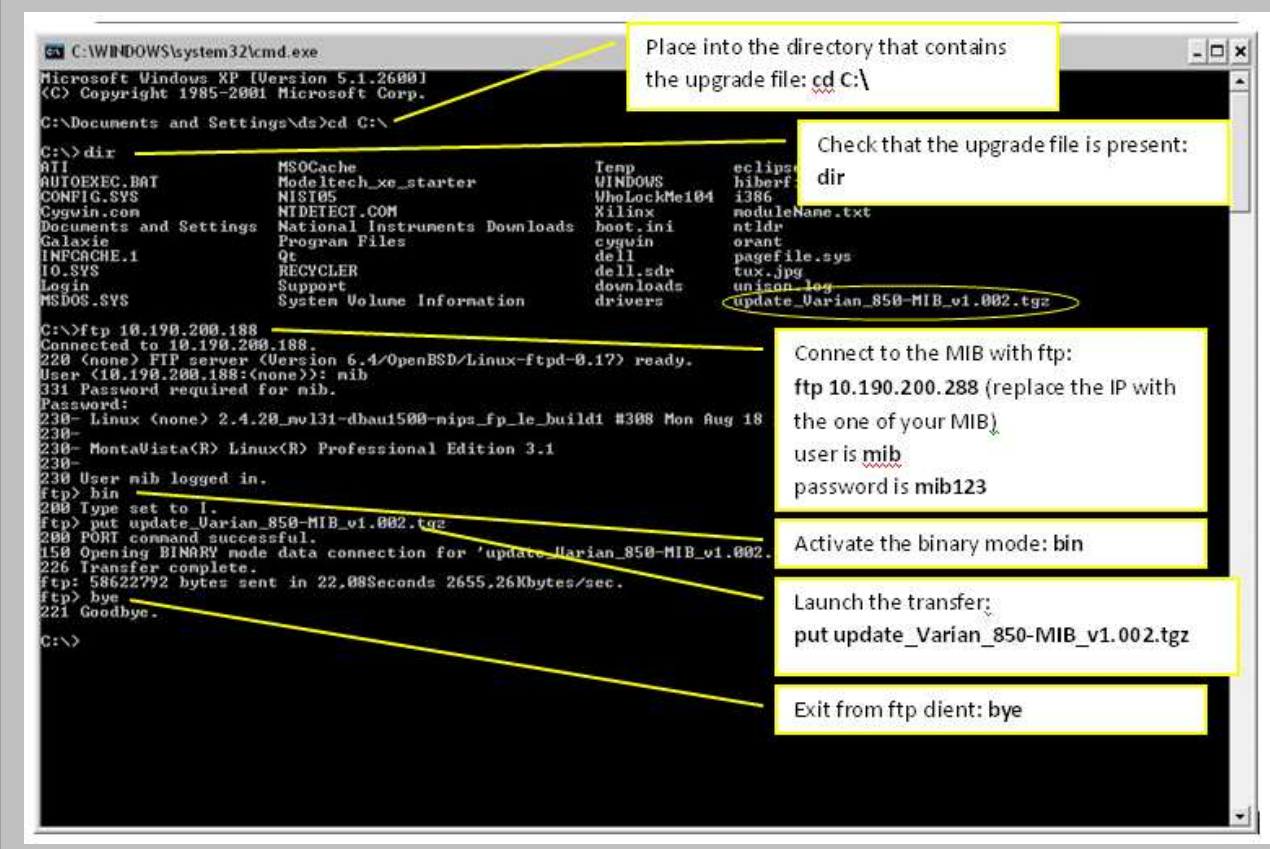
Ping statistics for 10.190.200.188:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\>
```

- If you get '**Request timed out**' message you should check the MIB configuration with **Galaxie Configuration Manager**.

Step 2: place the file into the MIB ftp

- As a prerequisite the upgrade file must be on your hard drive at a known location (e.g.: in C:\).
- Open a command prompt window (you can use the same one as the previous step) and do the following steps:



```

C:\WINDOWS\system32\cmd.exe
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.

C:\Documents and Settings\ds>cd C:\

C:\>dir
.           MSOCache           Temp           eclips
AUTOEXEC.BAT  Modeltech_xe_starter  WINDOWS       hiberf
CONFIG.SYS    NIST05              WhoLockMe104  i386
Cygwin.com    NIODETECT.COM       Xilinx        moduleName.txt
Documents and Settings  National Instruments Downloads  ntldr
Galaxie       Program Files        boot.ini      orant
INFCACHE.1    Qc                   dell          pagefile.sys
IO.SYS        RECYCLER             dell.sdr     tux.jpg
Login         Support              downloads    unison_log
MSDOS.SYS     System Volume Information  drivers      update_Varian_850-MIB_v1.002.tgz

C:\>ftp 10.190.200.188
Connected to 10.190.200.188.
220 (none) FTP server (Version 6.4/OpenBSD/Linux-ftpd-0.17) ready.
User (10.190.200.188:(none)): mib
331 Password required for mib.
Password:
230- Linux (none) 2.4.20_mvl31-dbau1500-mips_fp_le_build1 #308 Mon Aug 18
230-
230- MontaVista(R) Linux(R) Professional Edition 3.1
230-
230 User mib logged in.
ftp> bin
200 Type set to I.
ftp> put update_Varian_850-MIB_v1.002.tgz
200 PORT command successful.
150 Opening BINARY mode data connection for 'update_Varian_850-MIB_v1.002.
226 Transfer complete.
ftp: 58622792 bytes sent in 22.08Seconds 2655.26Kbytes/sec.
ftp> bye
221 Goodbye.

C:\>

```

Place into the directory that contains the upgrade file: `cd C:\`

Check that the upgrade file is present: `dir`

Connect to the MIB with ftp: `ftp 10.190.200.288` (replace the IP with the one of your MIB)
user is `mib`
password is `mib123`

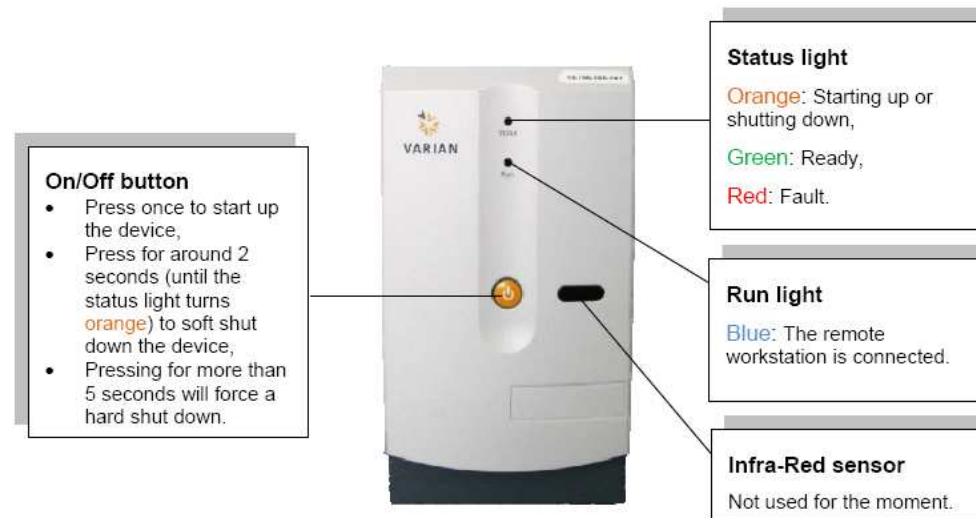
Activate the binary mode: `bin`

Launch the transfer:
`put update_Varian_850-MIB_v1.002.tgz`

Exit from ftp client: `bye`

Step 3: Reboot the MIB

- Now you just have to reboot the 850-MIB: turn the power off (press the on/off button until the status light turns orange) and on again.
- Now the status light will stay orange for around 10 minutes before turning green. During this time the MIB actually replace the whole firmware.
- You don't need to wait for it to be finished, just let the MIB powered and go to upgrade another MIB (return to step 1).



Step 4: check that the MIB is upgraded

- Once you have upgraded your MIB you can launch **Galaxie Configuration Manager**, go to the **Interface Supervisor** screen and check that the MIB has the correct firmware version (place the mouse on the MIB name to display this information):





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