

How to upgrade Linux DBLv5 to version 5.0.7?

Model:

N/A

Software:

DBLv5

Operating System:

Supports Linux Operating System.

Information:

Software Installation:

1. Download the 5.0.7 software release for Linux using one of the following links.

Fedora Distributions (RHEL, CentOS):

[myri_dbl-5.0.7.53814.PHX_1ea770d91.rhel.phx-6374.x86_64.rpm](#)

Debian Distributions (Ubuntu):

[myri_dbl-5.0.7.53814.PHX_1ea770d91.phx-6374.x86_64.tgz](#)

1. Download the Phoenix tools package.
[phx-tools-1.32.tar.gz](#)
2. As root, uninstall any previous versions of CSPI's Myricom software.

Fedora Distributions:

```
$ sudo yum remove myri_dbl
```

Debian Distributions:

```
$ sumo rm -r/opt/dbl
```

3. Install the Tools package

```
# tar xzvf phx-tools-1.32.tar.gz
```
4. Update the firmware to version 2.0.5

```
#cd phx-tools-1.32  
#bin/phx-replace-EEPROM fw-8E-2S-2.0.5. bin  
Preparing to reprogram firmware on unit 0 (3:0.0)  
Programming EEPROM with fpga image contained in fw-8E-2S-2.0.5.bin len=16006908  
Please do not turn off power while flash is being programmed.  
Do you want to continue (enter yes)? Yes  
Loading...##### | 100%  
Verifying..##### | 100%  
Flash verification succeeded!  
Power cycle the system to enable the new firmware.
```

5. After the programming is complete, you must power-cycle (shutdown) the server. A reboot/restart is not sufficient. When the FPGA is power-cycled it will load the new firmware.
6. Confirm that the new firmware, version 2.0.5, was loaded.

```
#cd phx-tools-1.32
#bin/myri_info
Pci-dev at 01:00.0 vendor: product (Rev) =lc09:4258(01)
  Behind bridge root-port: 00:01.0 8086:0c01 (x8.3/x8.3)
Myri-10G-PCIE-8E – Link x8
  MAC=00:60:dd:43:52:f0
  SN=490333
  PC=10G-PCIE3-8E-2S
  PN=09-04669
  BOM=A
Firmware:
  Version 2.0.5
```

7. Install the DBLv5 driver.

Fedora Distributions:

```
$ sudo yum -y install ./myri_dbl-5.0.7.53814.PHX_1ea770d91.rhel.phx-6374.x86_64.rpm
Building PHOENIX dbl driver for 3.10.0-327.13.1.e17.x86_64 in /opt/dbl/src
DBL driver in /opt/dbl/sbin
Created symlink from /etc/stemd/system/default.target.wants/myri_start_stop.service to /etc/system/system/myri_start_stop.service.
```

Debian Distributions:

```
$ cd/opt
$ sudo tar xzvf ./myri_dbl-5.0.7.53814.PHX_1ea770d91.phx-6374.x86_64.tgz
$ mv myri_dbl-5.0.7.53814.PHX_1ea770d91.phx-6374.x86_64 dbl
$ cd /opt/dbl
$ sudo sbin/rebuild.sh
Building PHOENIX dbl driver for 3.10.0-327.13.1.e17.x86_64 in /opt/dbl/src DBL driver in /opt/dbl/sbin
For Ubuntu servers that use system (15.04+) you can also perform the following steps to start the
driver automatically.
$ sudo cp/opt/dbl/sbin/myri_start_stop_.service /etc/system/system
$ sudo systemctl enable myri_start_stop.service
$ sudo systemctl start myri_start_stop.service
```

For additional information, please refer to the following documentation:

The last chapter of the User Guide has details regarding limitations and restrictions in this release. DBLv5

Release Notes: [CHANGES.txt](#)

DBLv5 User Guide: [DBLv5_UserGuide.pdf](#)

DBLv5 Reference Manual: [DBLv5_API_ReferenceManual.pdf](#)

Technical Support:

Please contact us for additional assistance.

Email: support@cspi.com

Support Portal: <http://www.cspi.com/en/myricom-product-support>

<u>Revision</u>	<u>Date</u>	<u>Change</u>
1	7/5/2016	Initial Draft
2	8/19/2016	Feedback Edits

