

How do I install or update the RealPort drivers for my Digi PortServer on Linux?

Posted on [January 25, 2010](#) by [Oliver Aaltonen](#)

To use the Digi PortServer, you'll need to install the appropriate RealPort drivers for your kernel.

Additionally, any time the kernel is upgraded, you'll need to recompile and reinstall the drivers. As such, it is important to plan your kernel upgrades in advance and perform testing after the first boot using a new kernel.

To view a step-by-step screencast of this process, [click here](#).

INSTALLING OR UPGRADING THE DIGI REALPORT DRIVERS

If the drivers are already installed, uninstall the existing drivers:

```
rpm -e dgrp
```

Download the [drivers](#):

```
mkdir -p /esupport/digi && cd /esupport/digi  
wget -c http://ftp1.digi.com/support/driver/40002086_P.src.rpm
```

Download and install the Red Hat kernel source:

```
yum -y install kernel-headers-`uname -r` kernel-devel-`uname -r` rpm-build gcc
```

Compile and install the drivers:

```
rpmbuild --rebuild /esupport/digi/40002086_P.src.rpm  
rpm -Uvh /usr/src/redhat/RPMS/x86_64/dgrp-1.9-20.x86_64.rpm
```

Edit udev to set permissions for tty devices:

```
vim /etc/udev/rules.d/10-dgrp.rules
```

Locate the "tty_dgrp" entry, and modify it as displayed below:

```
KERNEL=="tty_dgrp*", PROGRAM="/usr/bin/dgrp_udev %k", NAME="%c", GROUP="lp",
```

ADDING DIGI PORTS TO LINUX

If this is a new Digi, setup the ports in the following manner:

```
dgrp_cfg_node init (ttyid) (ip_address) (number_of_ports)
```

Example:

```
dgrp_cfg_node init D 192.168.100.111 1
```

STARTING THE DIGI SERVICE

When the drivers have been installed, and the ports have been configured, start the Digi service to activate the serial ports:

```
service dgrp_daemon restart
```

ADDING DIGI PORTS TO VSI-FAX

If this is a new modem for VSI-FAX, you'll also need to add the new modem(s) to VSIFAX:

```
vfxadmin device -a -d -v /dev/ttyD00 modem1
```

Join modem to the default fax1 fax class:

```
vfxadmin class -d -a modem1 fax1
```

This entry was posted in [Howto](#), [Screencast](#) and tagged [digi](#), [linux](#), [modems](#), [vsifax](#) by [Oliver Aaltonen](#). Bookmark the [permalink \[http://kb.eclipseinc.com/kb/how-do-i-install-or-update-the-realport-drivers-for-my-digi-portserver/\]](http://kb.eclipseinc.com/kb/how-do-i-install-or-update-the-realport-drivers-for-my-digi-portserver/) .

