Tar files for restoring Porta-Switch MR23

Created by Nicolas Bondier on [2011-12-07](http://switzernet.com/3/company/111206-tar-pb-mr23/index1.docx)  
Updated on [2011-12-07](index2.docx) by Nicolas Bondier

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Table of Contents

[1. Files locations 1](#_Toc311045117)

[1.1. Http location on Switzernet.com: 1](#_Toc311045118)

[1.2. SSH location on xxx.xxx.xxx.108: 2](#_Toc311045119)

[2. Restoring notes 2](#_Toc311045120)

[1.1 Configured network at first boot 2](#_Toc311045121)

[1.1.1 Correctly configure network scripts 2](#_Toc311045122)

[1.1.2 Script for moving ifcfg-eth0.bak file to ifcfg-eth0 4](#_Toc311045123)

# Files locations

## Http location on Switzernet.com:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | billing1 xxx.xxx.xxx.106 Configurator | billing2 xxx.xxx.xxx.101 Billing Master | billing3 xxx.xxx.xxx.102 Billing Slave (web) | billing4 xxx.xxx.xxx.104 SIP Server |
| Boot | [billing1,boot.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing1,boot.tar.bzip2)  (5.6M) | [billing2,boot.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing2,boot.tar.bzip2) (5.6M) | [billing3,boot.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing3,boot.tar.bzip2) (5.6M) | [billing4,boot.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing4,boot.tar.bzip2) (5.6M) |
| Porta | [billing1,porta.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing1,porta.tar.bzip2) (5.1M) | [billing2,porta.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing2,porta.tar.bzip2) (33M) | [billing3,porta.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing3,porta.tar.bzip2) (20M) | [billing4,porta.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing4,porta.tar.bzip2) (9.9M) |
| Root #1 | [billing1,root1.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing1,root1.tar.bzip2) (656M) | [billing2,root1.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing2,root1.tar.bzip2) (680M) | [billing3,root1.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing3,root1.tar.bzip2) (664M) | [billing4,root1.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing4,root1.tar.bzip2) (659M) |
| Root #2 | [billing1,root2.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing1,root2.tar.bzip2) (135) | [billing2,root2.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing2,root2.tar.bzip2) (138) | [billing3,root2.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing3,root2.tar.bzip2) (142) | [billing4,root2.tar.bzip2](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,1810,billing4,root2.tar.bzip2) (144) |
| Md5 | [111202,md5sum-localhost,billing1.txt](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,md5sum-localhost,billing1.txt) | [111202,md5sum-localhost,billing2.txt](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,md5sum-localhost,billing2.txt) | [111202,md5sum-localhost,billing3.txt](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,md5sum-localhost,billing3.txt) | [111202,md5sum-localhost,billing4.txt](http://switzernet.com/3/company/111206-tar-pb-mr23/data1/111202,md5sum-localhost,billing4.txt) |

## SSH location on xxx.xxx.xxx.108:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | billing1 xxx.xxx.xxx.106  Configurator | billing2 xxx.xxx.xxx.101  Billing Master | billing3 xxx.xxx.xxx.102  Billing Slave (web) | billing4 xxx.xxx.xxx.104  SIP Server |
| Boot | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing1,boot.tar.bzip2  (5.6M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing2,boot.tar.bzip2  (5.5M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing3,boot.tar.bzip2  (5.5M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing4,boot.tar.bzip2  (5.5M) |
| Porta | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing1,porta.tar.bzip2  (5.1M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing2,porta.tar.bzip2  (32.9M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing3,porta.tar.bzip2  (19.5M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing4,porta.tar.bzip2  (9.9M) |
| Root #1 | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing1,root1.tar.bzip2  (655.1M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing2,root1.tar.bzip2  (679.8M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing3,root1.tar.bzip2  (663.5M) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing4,root1.tar.bzip2  (659.0M) |
| Root #2 | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing1,root2.tar.bzip2  (135) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing2,root2.tar.bzip2  (138) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing3,root2.tar.bzip2  (142) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,1810,billing4,root2.tar.bzip2  (144) |
| Md5 | /share/MD0\_DATA/porta-billing-mr23/tar/111202,md5sum-localhost,billing1.txt  (283) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,md5sum-localhost,billing2.txt  (283) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,md5sum-localhost,billing3.txt  (283) | /share/MD0\_DATA/porta-billing-mr23/tar/111202,md5sum-localhost,billing4.txt  (283) |

# Restoring notes

## Configured network at first boot

RedHat and Fedora use some files to configure the network at first boot. These files are located under “/etc/sysconfig/network-scripts/”.

At first boot of any of these servers after the restoration from tar files [[link](http://switzernet.com/3/public/100926-mr21-tar-lvm/)], the “ifcfg-ethX” configuration files are moved to a new file called ifcfg-ethX.bak, even if you have previously changed the hardware address of the corresponding NIC (Network Interface Controller) in the file.

This issue is not important in case of you can physically access the machine to rename back the “ifcfg-ethX.bak” file to “ifcfg-ethX”. But in our case, we will not be able to access the machine physically, and we will not be able to remotely access it until the network is configured.

This is why this step has to be done with high priority, otherwise we will never know if the machine booted and access it.

### Correctly configure network scripts

After having untar all files in the new created partitions from your running Fedora or Debian distribution and before rebooting on the new partitions, configure the network scripts for the new system you just installed.

#### Get all data from ifconfig (including the VLANs if you have. If you are restoring on OVH, you HAVE to configure VLANs on your running distribution.

# ifconfig

eth0 Link encap:Ethernet HWaddr 00:15:F2:5D:DE:9F

inet addr:xxx.xxx.xxx.99 Bcast:xxx.xxx.xxx.255 Mask:255.255.255.0

inet6 addr: fe80::215:f2ff:fe5d:de9f/64 Scope:Link

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:1388083 errors:0 dropped:6591 overruns:0 frame:0

TX packets:563878 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:1000

RX bytes:166230900 (158.5 MiB) TX bytes:81559393 (77.7 MiB)

Interrupt:23 Base address:0x2400

lo Link encap:Local Loopback

inet addr:127.0.0.1 Mask:255.0.0.0

inet6 addr: ::1/128 Scope:Host

UP LOOPBACK RUNNING MTU:16436 Metric:1

RX packets:10884 errors:0 dropped:0 overruns:0 frame:0

TX packets:10884 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:1226832 (1.1 MiB) TX bytes:1226832 (1.1 MiB)

vlan5 Link encap:Ethernet HWaddr 00:15:F2:5D:DE:9F

inet addr:xxx.xxx.xxx.86 Bcast:xxx.xxx.xxx.86 Mask:255.255.255.255

inet6 addr: fe80::215:f2ff:fe5d:de9f/64 Scope:Link

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:0 errors:0 dropped:0 overruns:0 frame:0

TX packets:14 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:0 (0.0 b) TX bytes:804 (804.0 b)

vlan6 Link encap:Ethernet HWaddr 00:15:F2:5D:DE:9F

inet addr: xxx.xxx.xxx.62 Bcast:xxx.xxx.xxx.62 Mask:255.255.255.255

inet6 addr: fe80::215:f2ff:fe5d:de9f/64 Scope:Link

UP BROADCAST RUNNING MULTICAST MTU:1500 Metric:1

RX packets:0 errors:0 dropped:0 overruns:0 frame:0

TX packets:14 errors:0 dropped:0 overruns:0 carrier:0

collisions:0 txqueuelen:0

RX bytes:0 (0.0 b) TX bytes:804 (804.0 b)

#### And past them into the configuration files of the “/etc/sysconfig/network-scripts/” of the mounted new partitions.

# vi /mnt/root1/etc/sysconfig/network-scripts/ifcfg-eth0

--------------------------------------------------------

DEVICE=eth0

BOOTPROTO=static

BROADCAST=xxx.xxx.xxx.255

IPADDR=xxx.xxx.xxx.99

HWADDR=00:15:F2:5D:DE:9F

NETMASK=255.255.255.0

NETWORK=xxx.xxx.xxx.0

ONBOOT=yes

TYPE=Ethernet

# vi /mnt/root1/etc/sysconfig/network-scripts/ifcfg-vlan5

--------------------------------------------------------

VLAN=yes

VLAN\_NAME\_TYPE=VLAN\_PLUS\_VID\_NO\_PAD

DEVICE=vlan5

PHYSDEV=eth0

BOOTPROTO=static

ONBOOT=yes

TYPE=Ethernet

IPADDR=xxx.xxx.xxx.86

NETMASK=255.255.255.255

# vi /mnt/root1/etc/sysconfig/network-scripts/ifcfg-vlan6

--------------------------------------------------------

VLAN=yes

VLAN\_NAME\_TYPE=VLAN\_PLUS\_VID\_NO\_PAD

DEVICE=vlan6

PHYSDEV=eth0

BOOTPROTO=static

ONBOOT=yes

TYPE=Ethernet

IPADDR=xxx.xxx.xxx.62

NETMASK=255.255.255.255

### Script for moving ifcfg-eth0.bak file to ifcfg-eth0

#### Create the script in order to move “ifcfg-eth0.bak” to “ifcfg-eth0”.

# vi /mnt/root1/root/network-reconf-first-boot.sh

--------------------------------------------------------

#!/bin/bash

if [ -f /etc/sysconfig/network-scripts/ifcfg-eth0.bak ]

then

mv /etc/sysconfig/network-scripts/ifcfg-eth0.bak /etc/sysconfig/network-scripts/ifcfg-eth0

/etc/init.d/network restart

fi

exit 0

#### Program the script to be launched at booting

# chmod +x /mnt/root1/root/network-reconf-first-boot.sh

# vi /mnt/root1/etc/rc.d/rc.local

--------------------------------------------------------

#!/bin/sh

#

# This script will be executed \*after\* all the other init scripts.

# You can put your own initialization stuff in here if you don't

# want to do the full Sys V style init stuff.

touch /var/lock/subsys/local

/root/network-reconf-first-boot.sh

Then you can reboot on hard disk.

If you’re installation is local, plug the RJ45 into the trunked Cisco port.

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