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3/9/2015 4:23 PM

```
set bootfile emrk-0.9c.bin
Optionally,
set gatewayip z.z.z.z (where z.z.z.z is your default gateway)
tftpboot
bootoctlinux $loadaddr
```

If everything goes right, after bootoctlinux command you will see the kernel booting and will be asked if you want to continue after a scary disclaimer. Answer "yes" (case insensitive) or "no", than asked to configure network. You may choose DHCP or configure it

To reinstall EdgeOS from scratch, you will need to download the tarball and put it on your HTTP/FTP/SSH server.

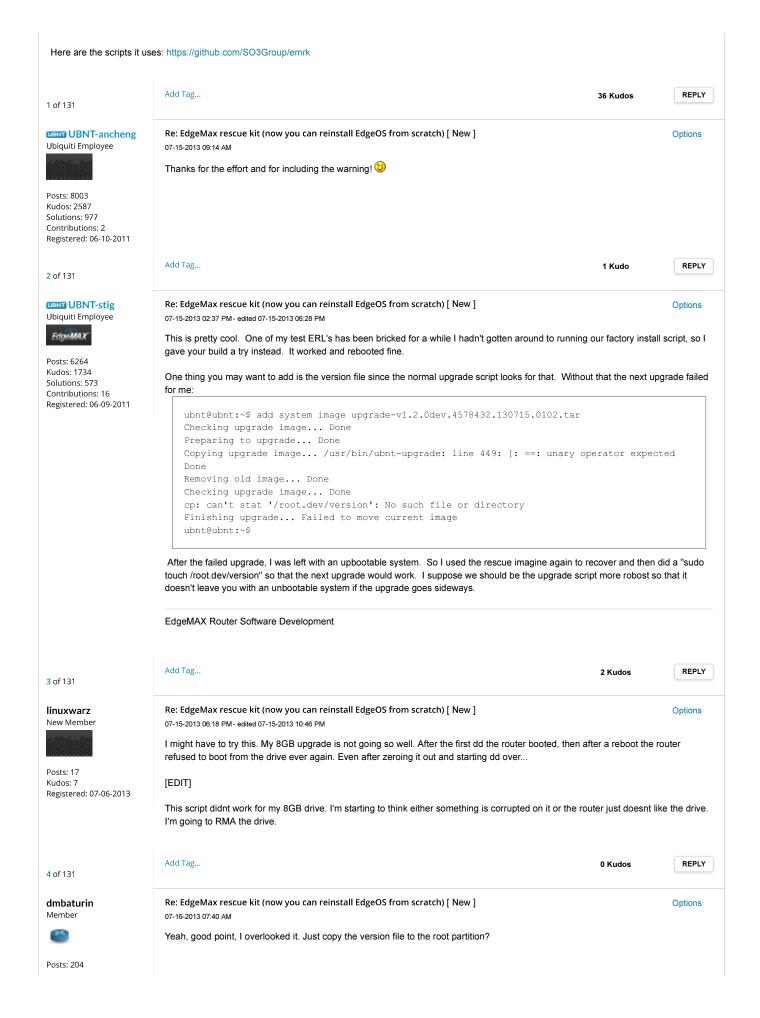
Here is an example of session with reinstall (kernel boot messages omitted).

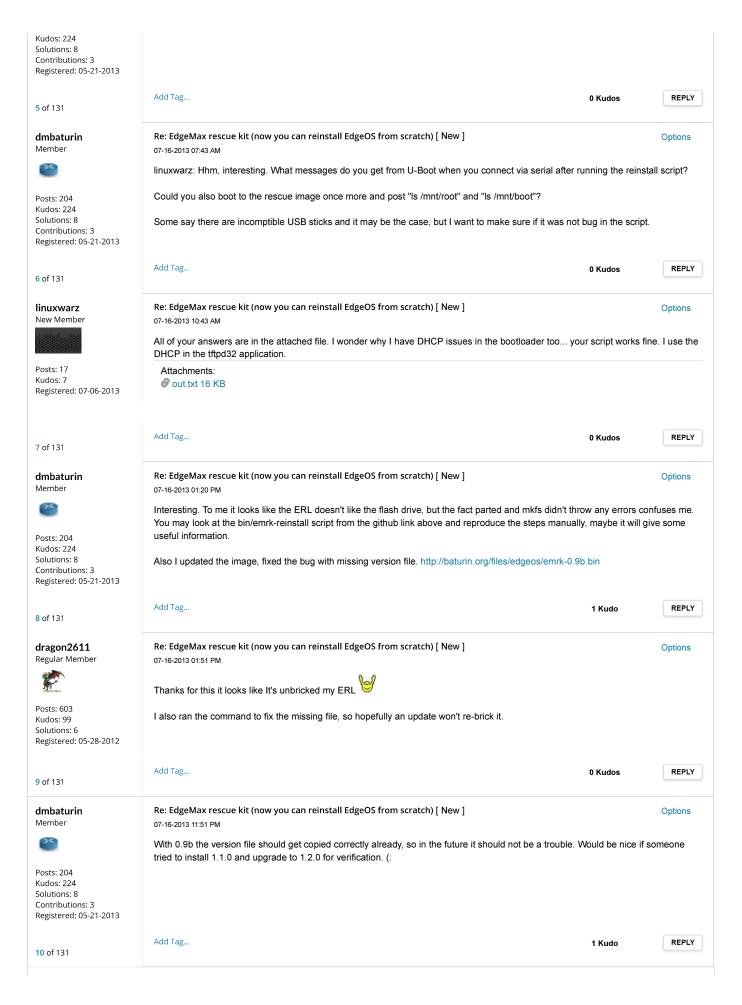
```
Loading EMRK 0.9a
Mounting filesystems
Bringing up eth0
Checking boot partition
Boot partition looks intact
Attempting to mount boot partition
Boot partition successfully mounted
Looking for kernel file
Found a kernel
Checking kernel MD5 sum file
Found kernel MD5 sum file
Checking kernel MD5 sum
Kernel MD5 sum is correct
Checking root partition
Root partition looks intact
Attempting to mount root partition
kjournald starting. Commit interval 5\ \text{seconds}
EXT3 FS on sda2, internal journal
EXT3-fs: mounted filesystem with writeback data mode.
Root partition successfully mounted
Looking for system image file
Found a system image file
Checking system image MD5 sum file
Found system image MD5 sum file
Checking system image MD5 sum
System image MD5 sum is correct
***********
Welcome to EdgeMax Rescue Kit!
This tool is distributed under the terms of
GNU General Public License and other licenses
Brought to you by SO3 Group
WARNING: This tool is not developed, officially
supported or endorsed by Ubiquiti Networks!
Using it may lead to destroying your router
configuration or operating system
Ubiquiti Networks support will not help you
with using it or fixing consequences of
using it.
This tool itself is distributed without any
warranty and authors are not liable for
any damage it may cause
By using this tool you agree you are doing
it at your own risk and understand what
```

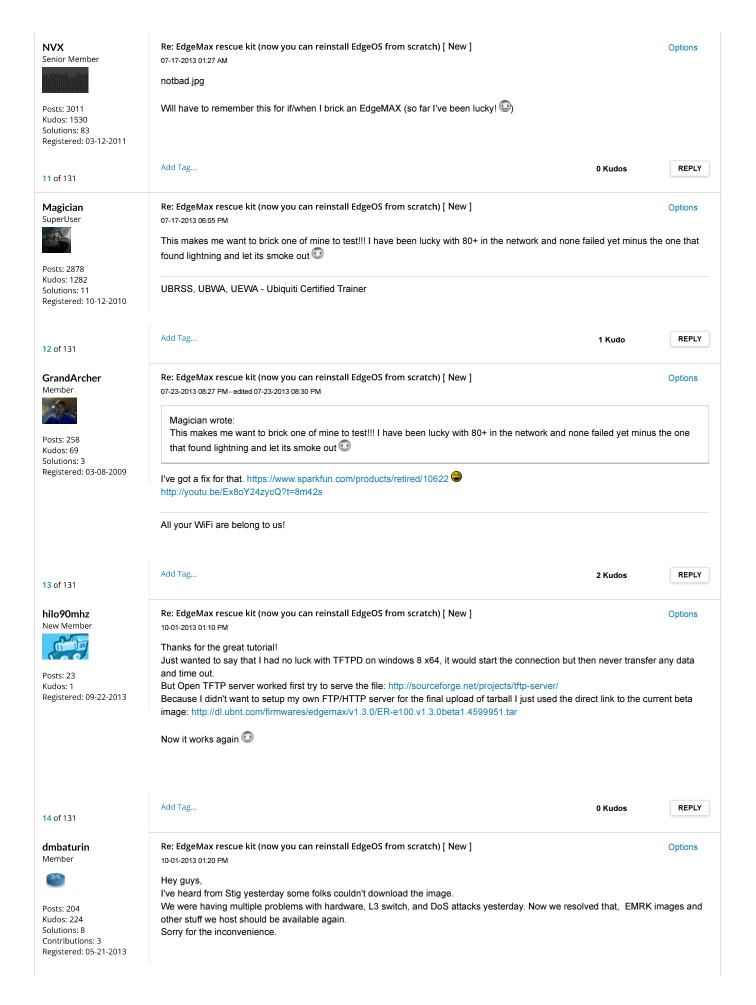
```
you are doing
************
Enter 'Yes' to proceed, 'No' to reboot
yes or no: yes
Do you want to configure network via DHCP?
yes or no: yes
udhcpc (v1.17.1) started
Sending discover...
Sending select for 10.91.19.175...
Lease of 10.91.19.175 obtained, lease time 86400
/usr/share/udhcpc/default.script: Resetting default routes
route: SIOCDELRT: No such process
/usr/share/udhcpc/default.script: Adding DNS 10.91.19.1
EMRK provides some scripts for automated
recovery procedures:
emrk-factory-reset -- reset config to factory default
emrk-remove-user-data -- remove all the user data including
   config and everything
emrk-reinstall -- reinstall EdgeOS from scratch
   (wipes any user data too)
Enter 'reboot' to reboot your router
BusyBox v1.17.1 (Debian 1:1.17.1-8) built-in shell (ash)
Enter 'help' for a list of built-in commands.
/bin/ash: can't access tty; job control turned off
EMRK>emrk-reinstall
WARNING: This script will reinstall EdgeOS from scratch
If you have any usable data on your router storage,
it will be irrecoverably destroyed!
Do you want to continue?
yes or no: yes
Unmounting boot partition
Unmounting root partition
Re-creating partition table
Creating boot partition
Formatting boot partition
mkfs.vfat 3.0.9 (31 Jan 2010)
Creating root partition
Formatting root partition
Mounting boot parition
Mounting root partition
kjournald starting. Commit interval 5 seconds
EXT3 FS on sda2, internal journal
EXT3-fs: mounted filesystem with writeback data mode.
Enter EdgeOS image url: ftp://10.91.19.5/pub/ER-e100.v1.2.0.4574253.tar
 % Total % Received % Xferd Average Speed Time Time Current
                            Dload Upload Total Spent Left Speed
100 68.3M 100 68.3M 0 0 8319k 0 0:00:08 0:00:08 --:-- 6318k
Unpacking EdgeOS release image
Verifying EdgeOS kernel
Copying EdgeOS kernel to boot partition
Verifying EdgeOS system image
Copying EdgeOS system image to root partition
Creating EdgeOS writable data directory
Cleaning up
Installation finished
Please reboot your router
```

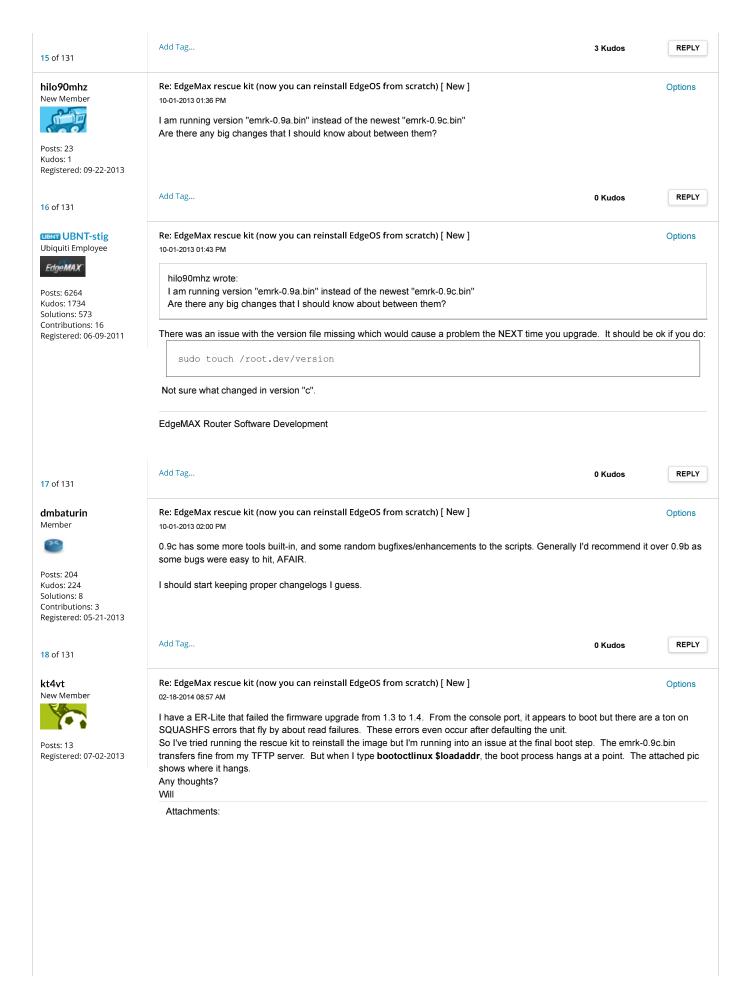
If you want to do things manually, there are busybox with symlinks to its applets (cat/grep/rm/cp/mv/tar/etc., ping, traceroute, nc etc.), curl, parted, and mkfs.ext3/mkfs.vfat.

I used it on my on ERL when I replaced the USB stick with a 8GB one yesterday. Hope you find it useful, any bug reports or suggestions are welcome.

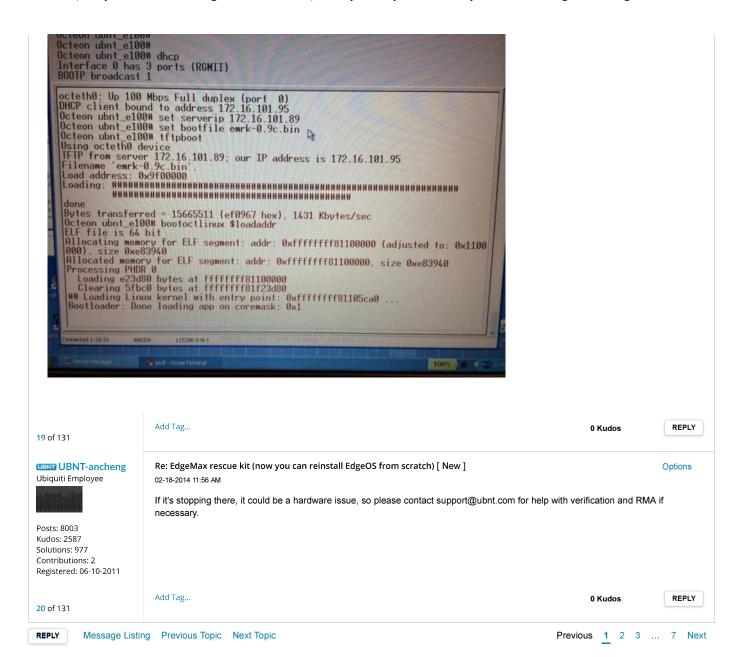








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