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on: February 12 th , 2016	on:
by: Hamda Hachicha	by:

II. Download:

The download procedure is described for the firefox-browser on the Laptop. The download procedure for other browsers on other operating systems is very similar. Please refer to the documentation of your browser.

The download-link of the service pack is usually provided by e-mail.

1. Copy the download link to the address bar of your browser and press enter (Figure 1).

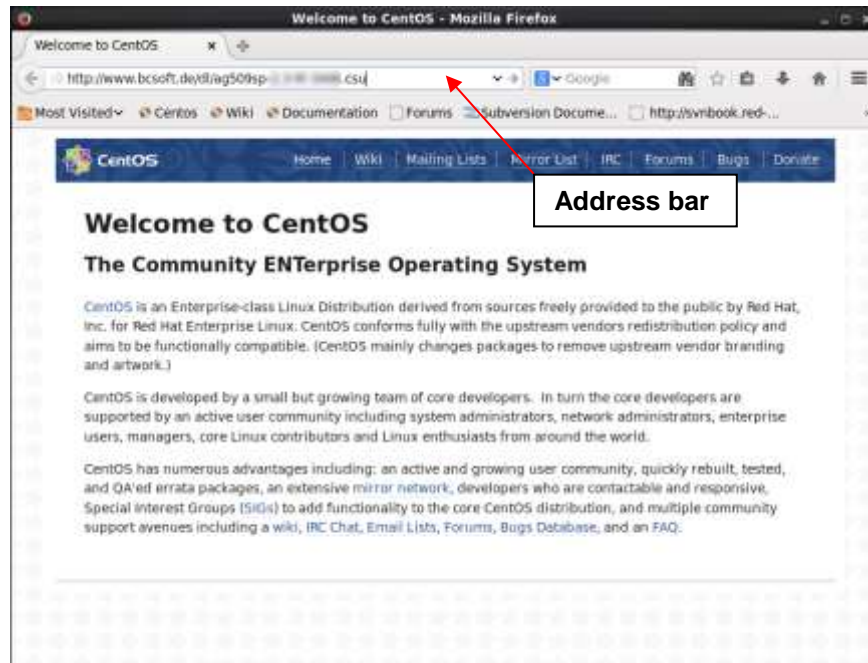


Figure 1 Copy the download link to the address bar and press enter

2. Save the file to the default download location (Figure 2).

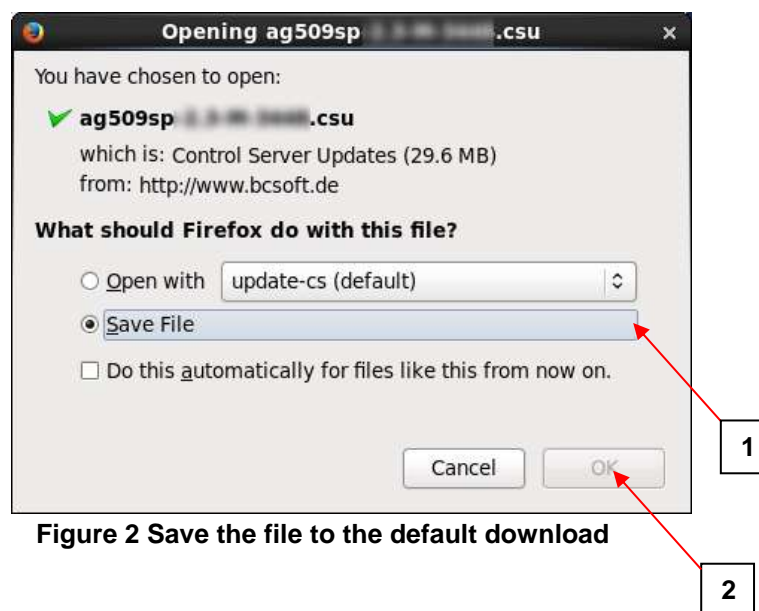


Figure 2 Save the file to the default download

III. CentOS-Linux: Updating the OS (operating system)

1. Make sure that the Laptop is connected to the internet (see adding_cs_to_network.pdf).
2. To install the service pack you simply have to find the service pack file “centos-update-xxxx.csu” on the computer or connected USB-device and double-click it.
3. Confirm the Update by typing y on the keyboard (figure 3)

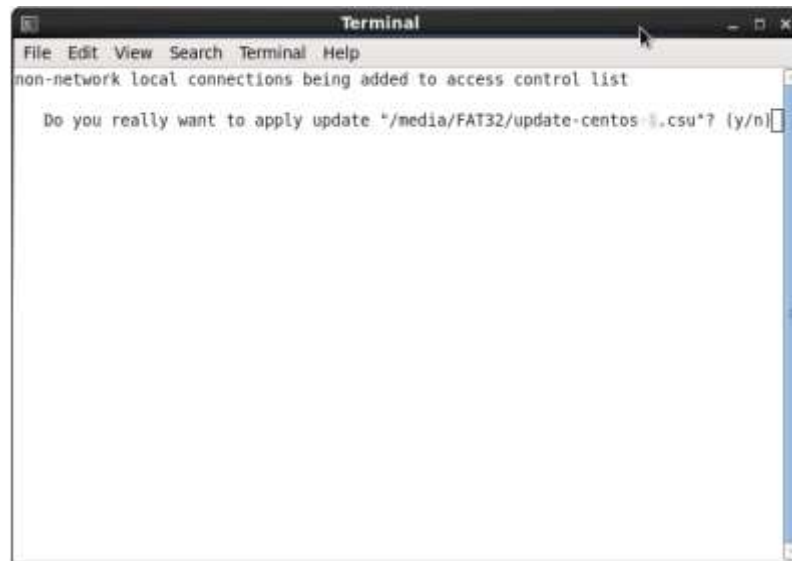


Figure 3 Update confirmation

4. The program will check your old version and will download the new version. (The total download size depends on your version).
5. Now you have to wait (please be patient) until the download and the installation are finished. (it depends on your internet speed)

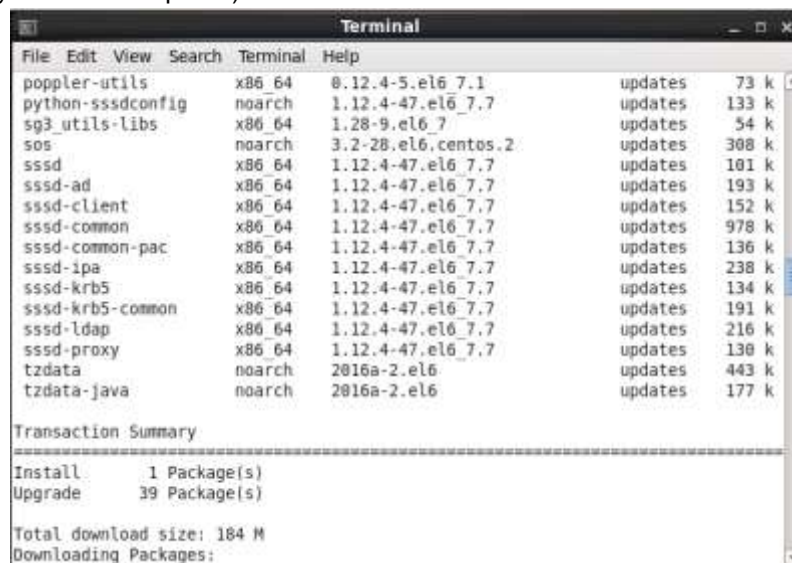
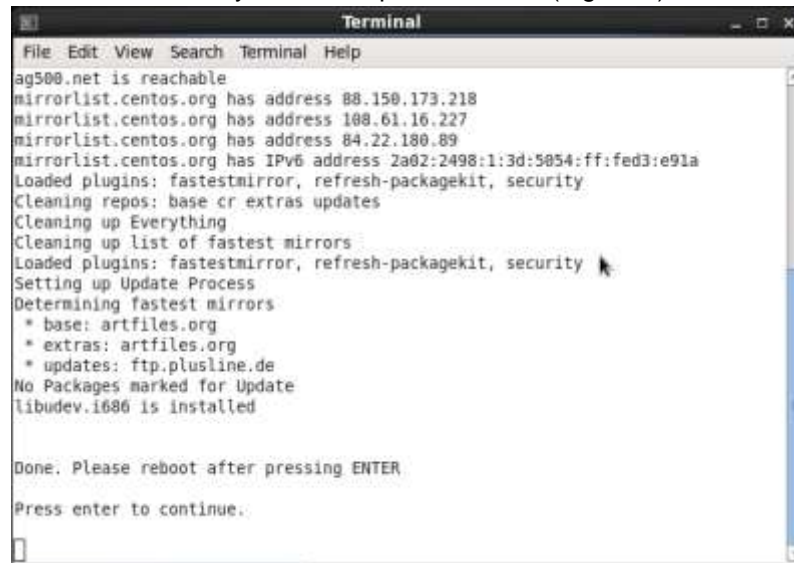


Figure 4 Downloading files & auto installation

- When the installation is finished, you have to press ENTER (Figure 5)



```
Terminal
File Edit View Search Terminal Help
ag500.net is reachable
mirrorlist.centos.org has address 88.150.173.218
mirrorlist.centos.org has address 108.61.16.227
mirrorlist.centos.org has address 84.22.180.89
mirrorlist.centos.org has IPv6 address 2a02:2498:1:3d:5054:ff:fed3:e91a
Loaded plugins: fastestmirror, refresh-packagekit, security
Cleaning repos: base cr extras updates
Cleaning up Everything
Cleaning up list of fastest mirrors
Loaded plugins: fastestmirror, refresh-packagekit, security
Setting up Update Process
Determining fastest mirrors
 * base: artfiles.org
 * extras: artfiles.org
 * updates: ftp.plusline.de
No Packages marked for Update
libudev.i686 is installed

Done: Please reboot after pressing ENTER
Press enter to continue.
```

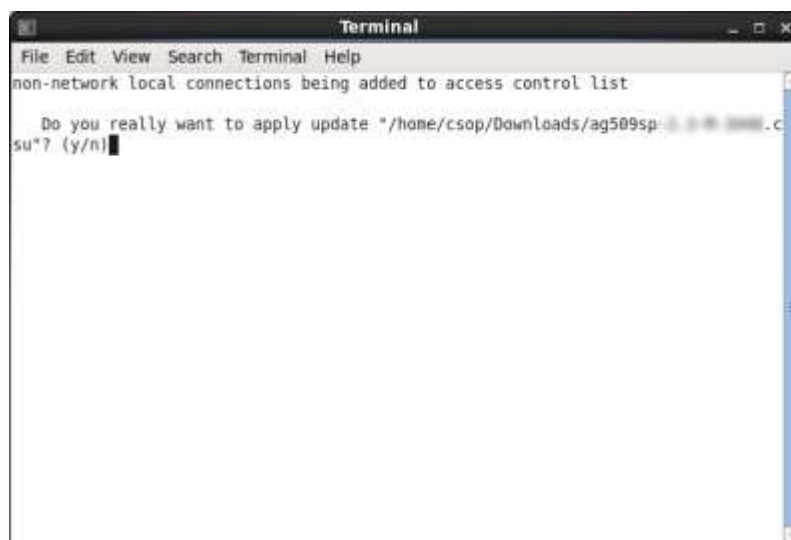
Figure 5 Installation completed

- Now reboot your Laptop

IV. Installing a service pack

Attention: You have to install the CentOS update before the service pack update.

- Make sure the Laptop is connected to the AG501 and the AG501 is turned on. (Internet connexion not required)
- To install the service pack you simply have to find the service pack file "ag509sp-xxxx.csu" on the computer or connected USB-device and double-click it.
- A terminal will open. Confirm the installation query by hitting y on the keyboard to proceed with the installation. (Figure 8)

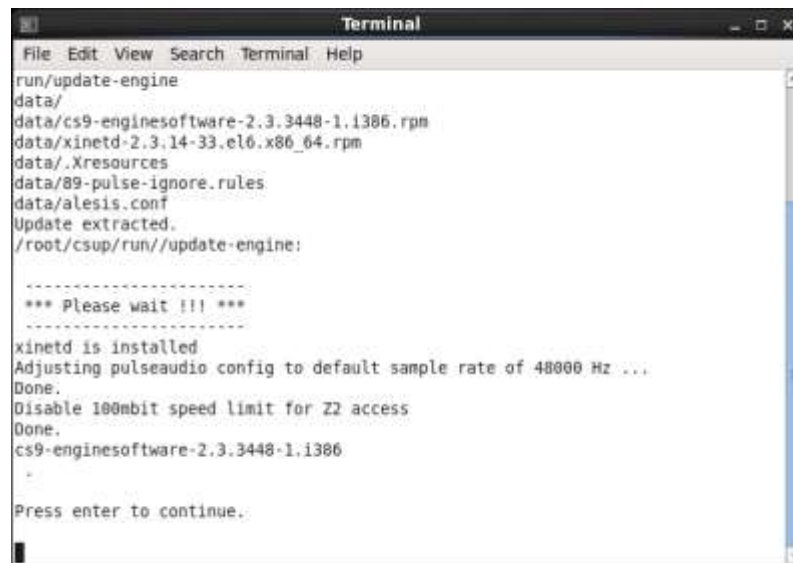


```
Terminal
File Edit View Search Terminal Help
non-network local connections being added to access control list

Do you really want to apply update "/home/csop/Downloads/ag509sp-0.0.0-0000.c
su"? (y/n)
```

Figure 6 confirm the installation

4. Wait for the installation to finish and press enter when done (Figure 9).



```

Terminal
File Edit View Search Terminal Help
run/update-engine
data/
data/cs9-enginesoftware-2.3.3448-1.i386.rpm
data/xinetd-2.3.14-33.el6.x86_64.rpm
data/.Xresources
data/89-pulse-ignore.rules
data/alesis.conf
Update extracted.
/root/csup/run//update-engine:

*** Please wait !!! ***

xinetd is installed
Adjusting pulseaudio config to default sample rate of 48000 Hz ...
Done.
Disable 100mbit speed limit for Z2 access
Done.
cs9-enginesoftware-2.3.3448-1.i386
.
Press enter to continue.

```

Figure 7 Wait for the installation to finish and press enter

5. Restart the Laptop and the AG501.

V. Revision history - Controlserver – Software-Updates

Date	Revision	Annotation
February 3 rd , 2015	1	Initial documentation (Ulrich Szagun)
February 12 th , 2016	2	New Update