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# 1. Installation

AvnFPS OB9.2 installation is relatively straight-forward. The entire process of installing AvnFPS OB9 should take about a minute.

The software is delivered as part of AWIPS OB9.2 build on DVD disk. Once the drive is mounted, AvnFPS OB9.2 can be found under the `/media/cdrecorder` filesystem.

```
dx1-wfo{fxa}16: ls -la /media/cdrecorder
-rw-r--r-- 1 502 502 10996917 Oct  7 14:01 AvnFPSOB9.2.tgz
-r--r--r-- 1 502 502   34915 Jun 26 11:42 freeware.tgz
-r-xr-xr-x 1 502 502   11442 Oct  6 15:09 installAVNFPS.sh
```

File sizes may change, but the approximate values should be as shown above. Ensure that **installAVNFPS.sh** has execute permissions.

# 1.1. Unpacking the software

Following the OB9.2 Mod Note, here is an example of a successful installation.

```
[root@dx1-wfo]# cd /media/cdrecorder
[root@dx1-wfo]# ./installAVNFPS.sh /media/cdrecorder
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
If you need assistance, call NCF at 301-713-9344
to open a TT.
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
Installation of AvnFPS for OB9.2 system begins . . . Tue Oct 6 15:49:23 GMT 2009

Installing AvnFPS OB9.2 . . . please wait
Unpacking AvnFPSOB9.2.tgz
Unpacking freeware.tgz
Copying AvnFPS OB9 configuration files to OB9.2
Updating AvnFPS root menu
Changed working directory to /awips/adapt/avnfps to clean up and relink to OB9.2 directories. . .
Fixing /awips/adapt/avnfps/bin link. . .
Removing /awips/adapt/avnfps/data link. . .
Fixing /awips/adapt/avnfps/etc link. . .
Removing /awips/adapt/avnfps/freetype-2.1.10 . . .
Removing /awips/adapt/avnfps/gamin-0.1.9 . . .
Removing /awips/adapt/avnfps/logs link. . .
Removing /awips/adapt/avnfps/OB8.3 . . .
Removing /awips/adapt/avnfps/tmp link. . .
chown: changing ownership of `logs': No such file or directory
Changing ownership of AvnFPS OB9.2 software to user "fxa"
Processing files in etc
Done with etc/app-resources/X.1
Done with etc/app-resources/X.10
Done with etc/app-resources/X.11
Done with etc/app-resources/X.12
Done with etc/app-resources/X.14
Done with etc/app-resources/X.15
Done with etc/app-resources/X.16
Done with etc/app-resources/X.18
Done with etc/app-resources/X.2
Done with etc/app-resources/X.4
Done with etc/app-resources/X.5
Done with etc/app-resources/X.6
Done with etc/app-resources/X.7
Done with etc/app-resources/X.8
Done with etc/app-resources/X.9
Done with etc/app-resources/X.99
Done with etc/gui.cfg
Done with etc/wxplot.cfg
Done with etc/server.cfg
Updating info.cfg for KAND
Updating info.cfg for KAVL
Updating info.cfg for KBKW
Updating info.cfg for KBLF
Updating info.cfg for KCHO
Updating info.cfg for KCLT
Updating info.cfg for KDAN
Updating info.cfg for KECG
Updating info.cfg for KFAY
Updating info.cfg for KGMU
Updating info.cfg for KGSO
Updating info.cfg for KGSP
Updating info.cfg for KHKY
Updating info.cfg for KINT
Updating info.cfg for KLWB
Updating info.cfg for KLYH
Updating info.cfg for KORF
Updating info.cfg for KPHF
Updating info.cfg for KRDU
Updating info.cfg for KRIC
Updating info.cfg for KROA
Updating info.cfg for KRWI
Updating info.cfg for KSBY
Updating mtrs.cfg for XXXX
Done with XXXX
Restarting AvnFPS servers
Killing all avnpython processes
Using SIGTERM
Killing avnpython /awips/adapt/avnfps/OB9/py/avninit.py px2f
Using SIGKILL
Remaining processes

Installation of AvnFPS for OB9.2 system is finished . . . Tue Oct 6 15:50:20 GMT 2009

Please check AvnFPS's "Lessons Learned" section for any post-install issues
discovered during beta-test and national roll-out.

http://www.nws.noaa.gov/mdl/pgb/AvnFPS/OB9.2/AvnFPSOB9.2.html#LessonsLearned

[root@dx1-wfo]#
```

The installation script copies your existing configuration files to the format needed for the new release. It shuts down the OB9 servers and starts the new AvnFPS OB9.2 servers as a convenience. No data is lost. Forecasters should log out and log back in for changes to AWIPS root menu to take effect. Users should be able to immediately start the new AvnWatch GUI.

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