

## 10 Archiving and Setting up a New Case

**Background:** WES uses archived AWIPS datasets for case playback and simulation. In AWIPS, cron jobs on the AWIPS archive machine, AX, copy AWIPS data from `/data/fixa` on DX1 to the AX. Each day is typically stored as a separate directory containing all the AWIPS data for that day (for the last seven days). Several utilities exist to archive data from the seven day archive. One of the more common data archive programs that is available from the AWIPS Local Applications Development (LAD) is the `HNX_Archive.tcl` application. Another useful program for archiving text products is the Product Archiver, which is also available from the AWIPS LAD. The archive applications typically compress the data to fit on storage media such as DVD.

Once archived, the data must be copied and uncompressed onto a WES machine. The data must be put into a case directory (e.g. 2004Jun09) in `/data/awips` where WES stores all cases. After copying the data, a few directories need to be created and an AWIPS localization needs to be created or copied into the case. Any archived text data will need to be added to the Postgres database (see Section 11), and FFMP data will need to be created if desired (see Section 12). After completing these steps, the case is ready for static review of all archived data and text. To run a simulation, the user must convert the data to “DRT format”, and then enter the simulation start time.

1. Obtain archive data (e.g. from the 7 day rollover or from a DVD).
2. As user `fxa`, prepare the archived dataset by making the critical base directory tree. First `cd` to the main WES case storage area:

e.g. `cd /data/awips`

3. Make the case name (typically named according to a `yyyymmdd` convention), also create the `userPrefs`, `localizationDataSets`, `workFiles`, `customFiles` subdirectories:

e.g. `mkdir 2004Jun09`

e.g. `cd 2004Jun09`

e.g. `mkdir userPrefs localizationDataSets workFiles customFiles  
tstorm`

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**Note:** Pay special attention for typos.

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4. Uncompress the data into the case. If you don't have a case install program from your archiver, the follow the instructions below. For example, a 2004Jun09 case

stored on DVD with tar files containing case-relative paths such as  
2004Jun09/radar/kddc:

e.g. `mount /media/cdrecorder`

e.g. `cd /data/awips`

e.g. `foreach fil (`ls /media/cdrecorder/*.gz`)` (note the back tick  
key is usually located above the Tab key)

e.g. `tar xvfz $fil`

e.g. `end`

5. Create a localization for the case using `mainScript.csh` (see Sections 6 - 9). If you already have created a localization with this version of AWIPS, you can copy or link the localization into the `<data_case>/localizationDataSets` directory. If you don't have a localization already built, you have essentially three options for creating a localization (see Sections 6 - 9).
  - Create a localization with the AWIPS defaults (no customization).
  - Create a localization with your customizations for your local CWA.
  - Create a localization for a non-local CWA.
6. Verify the data was loaded correctly and the localization was created correctly by checking all your data with `enhanced_case_review`. It is important to check the data before running a simulation to isolate any errors in setting up the case.
7. If you need to add text products to the case. Then see Section 11.
8. If you are running SCAN or FFMP, then see Sections 12 and 13.

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**Note:** If you would like to run a simulation, then you need to convert to DRT format before running a simulation.

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