

## 6 Customize AWIPS OB8.1 in WES8.1

### 6.1 Migrate Local AWIPS Customizations to the WEScustomization Directory in WES8.1

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1. These customization instructions were designed to transfer AWIPS customization files from a real-time AWIPS with Build OB8.1 to WES8.1. If you don't have access to AWIPS customizations, then skip to Section 9.
2. The concept of migrating customizations to WES8.1 is to transfer all your important customization files from your local AWIPS to a central location on WES (WEScustomization directory) that will not be removed by future WES installations. Section 6 needs to be completed with help from the local AWIPS focal point who understands how the local AWIPS has been customized. To illustrate the following commands we will use the Chicago office, LOT, as the local CWA.
3. Log in to your WES machine as user fxa.
4. Identify a method to transfer files from your real-time AWIPS to your WES machine (floppy, cd, ftp, etc).
5. If you have previously customized your WES using previous WES customization instructions, you will need to back up the **customFiles**, **userPrefs**, **global-LLL-files**, **storagefiles**, **mainConfig**, and the **XXX** directory (e.g. **LOT**) in the `/awips/fxa/WEScustomizations` directory before you update WES8.1 with your new OB8.1 customizations.

e.g. `cd /awips/fxa/WEScustomization/`

e.g. `mv customFiles customFiles.ob72`

e.g. `mv userPrefs userPrefs.ob72`

e.g. `mv global-LLL-files global-LLL-files.ob72`

e.g. `mv storagefiles storagefiles.ob72`

e.g. `mv mainConfig mainConfig.ob72`

e.g. `mv LOT LOT.ob72`

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**Note:** Be sure to perform all following copy commands as user fxa, not root

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6. Copy the `/data/fxa/customFiles` directory on your DS into the `/awips/fxa/WEScustomization` directory on the WES.

e.g. `cp -R customFiles /awips/fxa/WEScustomization` from dvd

7. On your DS, from the `/data/fxa/userPrefs/$user` directory, copy the `customColorMaps.nc` file to the `/data/fxa/userPrefs/fxa/colorTables` directory.

e.g. `cp -R userPrefs/$user/customColorMaps.nc /awips/fxa/WEScustomization`

8. Copy the `/data/fxa/userPrefs` directory on your DS into the `/awips/fxa/WEScustomization` directory on the WES machine.

e.g. `cp -R userPrefs /awips/fxa/WEScustomization` from dvd

9. Copy the `/awips/fxa/data/localization/XXX` directory (where XXX is your localization ID) on your LX1 workstation to the `/awips/fxa/WEScustomization` directory on your WES machine. The directory on the LX1 machine should contain the most up to date localization files which were used for the installation of OB8.1

e.g. `cp -R LOT /awips/fxa/WEScustomization` from dvd

10. Copy the following files from your DS to the `/awips/fxa/WEScustomization/storagefiles` directory:

```
/awips/fxa/data/localization/nationalData/virtualFieldTable.txt
/awips/fxa/data/localization/nationalData/gridPlaneTable.txt
/awips/fxa/data/colorMaps.nc
/awips/fxa/data/fxa-users
/data/fxa/workFiles/customColorMaps.nc
```

11. Change the permissions on the `colorMaps.nc` file to “`-rw-rw-rw`” if they aren’t set this way:

e.g. `chmod 666 /awips/fxa/WEScustomization/storagefiles/colorMaps.nc`

12. Copy the following files from your WS to the `/awips/fxa/WEScustomization/storagefiles` directory:

`/awips/fxa/data/vb/browser*.txt` (not needed if `browser*.txt` files are already in the `customFiles` directory).

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**Note:** There is no need to copy these files into the  
`/awips/fxa/data/localization/nationalData` directory.

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13. Copy a LINUX VERSION of any specialized map files (`*.bcx` found in the  
`/awips/fxa/data/localizationDataSets/XXX` directory) into the  
`/awips/fxa/WEScustomization/storagefiles` directory.
14. Copy any other relevant local customized files to the  
`/awips/fxa/WEScustomization/storagefiles` directory.

## 6.2 Migrate the Local AWIPS OB8.1 Customizations to the New OB8.1 with WES8.1

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1. The following instructions assume you have copied over your AWIPS customizations to the WEScustomization directory as instructed in section 6.1
2. Identify a local case in `/data/awips` to localize with your CWA. To illustrate the following commands, we will use a 2002Jun12 case from the LOT CWA as an example.
3. If you have already applied steps 4, 5, 6, and 7 (below) in a previous WES customization using WES customization instructions, you can skip steps 4, 5, 6, and 7.

4. As user fxa, backup your customFiles and userPrefs directories in your case:

```
e.g. cd /data/awips/2002Jun12
```

```
e.g. mv customFiles customFiles.orig
```

```
e.g. mv userPrefs userPrefs.orig
```

5. Make a customFiles symbolic link in your data case that points to the customFiles directory in WEScustomization:

```
e.g. ln -s /awips/fxa/WEScustomization/customFiles  
/data/awips/2002Jun12/customFiles
```

6. Make a userPrefs symbolic link in your data case that points to the userPrefs directory in WEScustomization:

```
e.g. ln -s /awips/fxa/WEScustomization/userPrefs  
/data/awips/2002Jun12/userPrefs
```

- Cd to the data case and list out the contents of the links to ensure the links resolve the appropriate directories and files in `/awips/fxa/WEScustomization`.

e.g. `cd /data/awips/2002Jun12`

e.g. `ls -l customFiles`

e.g. `ls -l userPrefs`

- `cd /awips/fxa/data/localization` and backup your local CWA XXX directory:

e.g. `mv LOT LOT.orig`

- While in the same directory as step 8 (`/awips/fxa/data/localization`), make an XXX symbolic link (where XXX is your local CWA) that points to the pre-localization directory in WEScustomization:

e.g. `ln -s /awips/fxa/WEScustomization/LOT LOT`

- List out the contents of the XXX link in `/awips/fxa/data/localization/` created in the previous step to ensure the link resolves the appropriate directories and files in `/awips/fxa/WEScustomization`.

e.g. `ls /awips/fxa/data/localization/LOT`

- Before copying any of the following files into the WES AWIPS, make a backup version of the file you are copying over.

e.g. `cd /awips/fxa/WEScustomization/storagefiles` and copy:

File	To Location
<code>virtualFieldTable.txt</code>	<code>/awips/fxa/data/localization/nationalData</code>
<code>gridPlaneTable.txt</code>	<code>/awips/fxa/data/localization/nationalData</code>
<code>browser*.txt</code>	<code>/awips/fxa/data/vb (not needed if in customFiles)</code>
<code>fxa-users</code>	<code>/awips/fxa/data</code>
<code>customColorMaps.nc</code>	<code>&lt;data_case&gt;/workFiles</code>

where `<data_case>` refers to your case (e.g. 2002Jun12).

12. Copy any other relevant files in the `storagefiles` directory to the appropriate AWIPS directory.
13. Now you are ready to create a localization for your local case.