WOC Severe Simulation Installation Guide

<u>Case</u>: WFO Shreveport (SHV) from April 12, 2020

<u>Case Release Date</u>: March 2021

The following guide walks through installing the WOC Severe Simulation case. To perform this install, your WES-2 Bridge workstation must be a 17.3.1 or later version.

This case is saved over 3 discs. The installation script will determine how much space you need on the WES and prompt you for where to install the case on the WES.

1. Log into your "wes2" workstation with your user (non-root) account (that is in the "fxalpha" group).
2. Insert Disc 1 into your WES-2 Bridge optical drive.
3. Mount the disc using the Gnome Disk Utility (Applications ⮞Accessories ⮞Disks).
   In the GUI (Fig. 1), navigate to the CD/DVD/Blu-Ray Drive and mount the disc by pressing the "Play" button (▶).
4. Open a terminal window and run the "WESCase_install_1.sh" script using the commands below:

   ```
   $ cd /media/cdrecorder
   $ /bin/bash WESCase_install_1.sh
   ```

5. Follow the on-screen install instructions to load Disc 2 and Disc 3. Each disc will have its own installer (for example, Disc 2 is installed using `/bin/bash WESCase_install_2.sh`).

⚠️ **<u>NOTE</u>: When you switch discs, you will need to use the Disk Utility to unmount the previous disc (with the "Stop" ■ button, Fig. 1) and then mount the next.**
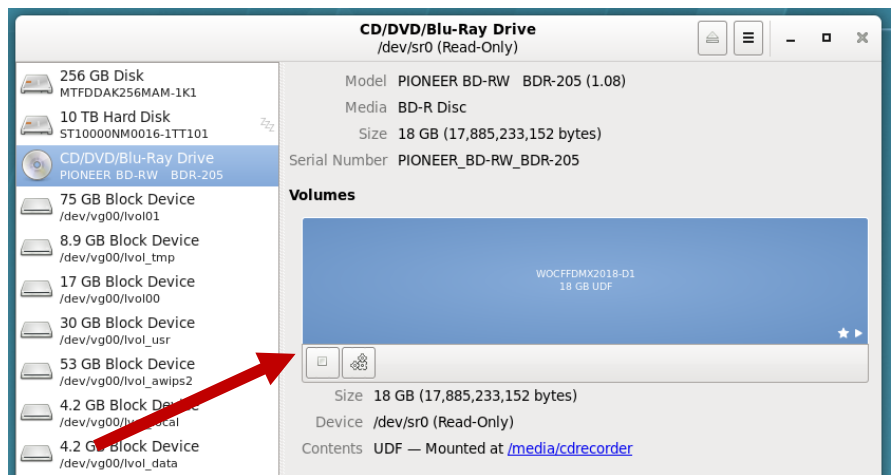

Figure 1: Applications menu ⮞ Accessories ⮞ Disks
Arrow points to "Play"/"Stop" button for mounting/unmounting

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For questions related to the WOC Severe course or simulation, contact: nws.wdtd.wocsevere@noaa.gov

------------------------ (SEE OTHER SIDE FOR MORE DETAILS) --------------------------

WES-2 Bridge Setup and Case Installation Instructions:

1. Log into the WES with the warning forecaster's AWIPS username and password.
   a. If only one screen is available on the WES, use these instructions to resolve the issue:
      i. Under Applications - select System Tools, then Settings
      ii. In the Settings pop-up window, click on Devices
      iii. Select Displays
      iv. Make sure "Join Displays" is selected and that the two displays are set in the order 2 on the left and 1 on the right.
      v. Hit Apply
2. Under the "Applications" menu, click on the "WDTD" and then "WES-2 Bridge" options.
3. Once the large GUI opens, go to the "EDEX Instances" section near the bottom. Ensure that EDEX_00 is listed as "Active". If not, right-click on it and "Start EDEX".
4. If "2020Apr12SHV" is loaded, right-click on the case and select "Simulation". If it is not loaded, then do one of the following:
   a. In the EDEX Instance manager, see if a case is in EDEX_01 (you can hover the mouse over the EDEX_01 label). If it is empty, then right-click on "Simulation" to load the case and launch the simulation in one step.
   b. If any EDEX_02, EDEX_03, or EDEX_04 are empty, then ensure one of these is active and then right-click on the case and select "Load Case". Once it finishes loading, then right-click on the case and select "Simulation"
5. Click the box labeled "Remove warnings for the WFO"
6. Click the "Load Macro" button, then select "2020Apr12-SHV-1330Z" and click "OK". (Note: There also is an option "2020Apr12-SHV-1545Z" for those who want to come back and take the bonus simulation time later.)
7. Click "Simulate".
8. After a minute or two, a CAVE session, WESSL window and Simulation Controls should all launch. If not, close everything out and go back to step #2.
9. In the CAVE session, launch the Text Workstation.
10. Click on the "Play" button on the simulation controls and let it play for about 20 seconds. Then "Pause". Two Mozilla windows should have opened (SPC meso data and Outlooks). If you get an error with one of the windows, try and restart the WESSL. Worst case scenario is to restart the case. You need both windows for the hazards assessment portion of the case!
11. To open a second CAVE session, right-click on the EDEX that has the case and then select "Start CAVE". Then drag the CAVE to the right monitor.
12. If the time/date box is not red and matches the time in the other CAVE window, you might want to play the simulation for 15 seconds and then pause, or use the SYNC button.