

The AWIPS-2 and WES-2 Bridge Software

16.2.2 Update and Test Case Installation Guide

Update: 12/09/2016

The following guide will walk you through updating your WES-2 Bridge workstation with the 16.2.2 AWIPS-2 and the 16.2.2 version of the WES-2 Bridge Software. This guide requires that the WES-2 Bridge Hardware & Software Installation for the Z600/Z620 workstation has been completed successfully up to Section F: Installation of WES-2 Bridge Software.

The installation disk contains three parts: An AWIPS-2 update to 16.2.2, a WES-2 Bridge update to 16.2.2, and the 16.2.2 WES-2 Bridge Test Case. If your site either has not installed AWIPS-2 or has an older version of AWIPS-2, please follow the entire installation guide. If your site already has applied the update to 16.2.2 AWIPS-2, then you are able to start with Section 2.

For Sites Upgrading Directly From the WES-2 Bridge 14.2.4 Image

If your site is looking to upgrade to the 16.2.2 version of AWIPS-2 and WES-2 Bridge directly from the 14.2.4 WES-2 Bridge Image, there are a set of RPM libraries that are necessary for the update to be successful that are not included with this installation. If your site wants to update directly, e-mail Alex Zwink (Alexander.Zwink@noaa.gov) and these libraries will be transferred to your workstation and installed, which will allow you to continue with the installation.

Section 1: Installation for AWIPS-2

- 1)** Reboot/turn on your WES-2 Bridge workstation. This is to ensure any removal and reinstallation of the EDEXs is performed smoothly.
- 2)** Log into your “wes2” workstation as the root user.
- 3)** Insert the “16.2.2 AWIPS-2, WES-2 Bridge Software Update and Test Case” disk dated 12/09/2016 into your workstation.

4) Using a terminal window, run the 16.2.2 AWIPS-2 Update with the following commands:

```
cd /media/W2B_16_2_2
./installA2Update20161205.csh
```

NOTE: This installation script will remove the “/awips2” directory, and with it any localizations that have been copied into the central localization store at “/awips2/edex/data/utility”. To prevent having to redo your local customizations, the installer will ask if you would like to back up your copied over localization, maps, and hydro database installed on EDEX_00 (if you’ve copied these items over). You will need to provide the WFOs of the site localizations you want to back up.

Section 2: WES-2 Bridge 14.3.1 Software Installation

NOTE: If you completed Section 1, you can skip to step 5 of Section 2. Otherwise, start from the beginning of Section 2.

- 1) Reboot/turn on your WES-2 Bridge workstation. This is to ensure any removal and reinstallation of the EDEXs is performed smoothly.
- 2) Log into your “wes2” workstation as the root user.
- 3) Insert the “16.2.2 AWIPS-2, WES-2 Bridge Software Update and Test Case” disk dated 12/09/2016 into your workstation.
- 4) Using a terminal window, change directories into the Update Disk media directory.

```
cd /media/W2B_16_2_2
```

5) While on the disk directory, run the 16.2.2 WES-2 Bridge Update Setup with the following command:

```
./installW2BUpdate20161205.csh
```

6) Once the updated installer has been installed, use the following commands to run the WES-2 Bridge Software Installer

```
cd /w2binstall/install_20161209  
./install.sh
```

7) Once the WES-2 Bridge Installer launches, select **Next**.

8) The license agreement will be displayed. Accept the License agreement then select **Next**.

9) Verify that the WES-2 Bridge Installation path is set to **/w2b/wes** then select **Next**.

NOTE: A dialog box will appear confirming your settings: Select "OK" to create.

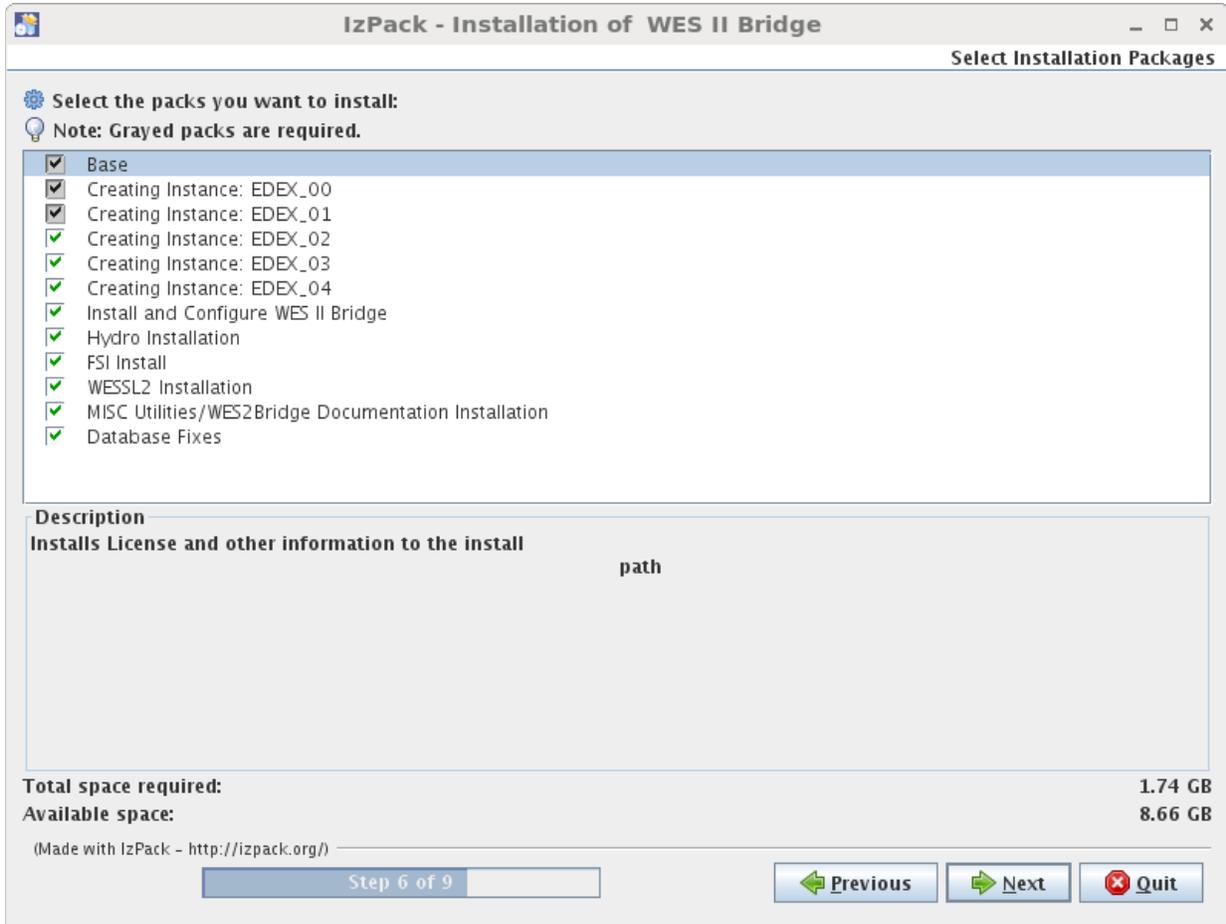
10) Verify that the default path for EDEX instance installation is set to **/data1/edex-environment** then select **Next**.

NOTE: A dialog box will appear confirming your settings: Select "OK" to create.

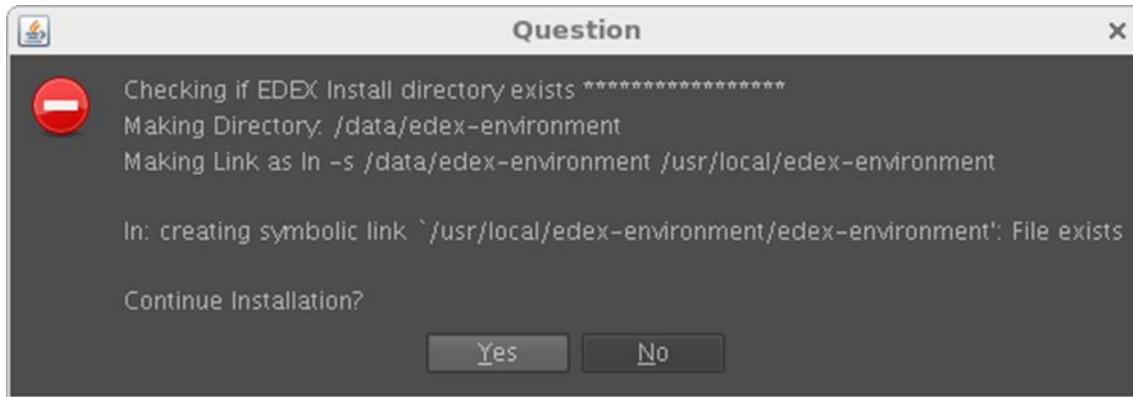
11) Verify that the Text Workstation Name is **wes2-xxx** where "xxx" is your site identifier, then select **Next**.

12) Verify all the boxes are checked, then select **Next**.

Note: If your site has already installed a 16.2.2 WES-2 Bridge and are just updating the software, the Creating Instance boxes will also be unchecked.



13) The WES-2 Bridge software will begin installing. During this process, a warning message may display (seen immediately below). If this message does display, select **Yes**. Once the installation is completed, select **Next**.



14) Once the installation is complete, select **Done**.

15) OPTIONAL AND ONLY IF YOU BACKED UP THE HYDRO DATABASE IN SECTION 1: To restore the EDEX_00 hydro database, you can use the “ReinstallHydroDatabase.csh” script using the following commands in a terminal window:

```
cd /media/W2B_16_2_2
./ReinstallHydroDatabase.csh
```

NOTE: There will be a few errors that may occur with moving the pg_hba.conf file and errors associated with restoring the hydro database. These errors are ignorable.

16) Eject the BluRay disk from your workstation. For the 16.2.2 WES-2 Bridge Test Case install, you will need to perform this on a user account, and ejecting the disk and reinserting the disk as a user account should eliminate any permission issues.

Note: Ensure any terminal windows are closed if you are having issues ejecting the disk.

17) Reboot the workstation.

Section 3: Installation of the 16.2.2 Test Case

- 1) Log into your “wes2” workstation on a user account.
- 2) Insert the “16.2.2 AWIPS-2, WES-2 Bridge Software Update and Test Case” disk dated 12/09/2016 into your workstation.
- 3) Using a terminal window, use the following commands to run the test case installer.

```
cd /media/W2B_16_2_2/TestCase  
./testCaseInstall-16-2-2.csh
```

- 4) Once the installation of the test case is complete, log the completion of the 16.2.2 AWIPS-2/WES-2 Bridge 20161209 Update on the Google Form that is located on the WDTD support page. Exit out of the terminal window and eject the disc.
(Located at: <http://www.wdtb.noaa.gov/tools/wes2/support.php>)

Section 4: Update any WESSL-2 scripts provided by WDTD

- 1) Log into your “wes2” workstation on a user account.
- 2) Insert the “WESSL-2 Script Updater” disc dated 12/15/2016 into your workstation.
- 3) Using a terminal window, use the following commands to run the WESSL-2 Script Updater.

```
cd /media/ScriptUpdate  
./scriptUpdate.csh
```

- 4) From the menu, choose which case’s WESSL-2 script you would like to update.
- 5) When you’re done, press Q or q. Exit out of the terminal window and eject the disc.

This completes the 16.2.2 AWIPS-2 and WES-2 Bridge Software Update and Test Case Installation. If you have any questions or any errors that occur during this install process, contact Alexander Zwink (Alexander.Zwink@noaa.gov) or Dale Morris (Dale.A.Morris@noaa.gov) with any issues.