

## ATTACHMENT B - Installing TO8 Software for test, evaluation and development with common services

- B.1 **NOTE:** The EDEX installation requires root access. The procedure assumes that the installer is experienced with Linux software installation and administration and AWIPS is not running this workstation. Requires at least 8 GB disk space for edex and data. *SELinux should be disabled for EDEX and CAVE to run.*

This procedure is for the case where all the users share a single instance of the Postgres and EDEX servers. The EDEX software subsystem installation as delivered by Raytheon installs the services as root with one instance of the Postgres and EDEX servers, and one copy of the test data. The installation script creates edex\_activemq, edex\_mule, edex\_postgres, and edex\_tomcat services to start and stop the required processes. The edex services require an active network connection.

B.1.1 Place TO8 installers DVD in the DVD drive and mount it.

B.1.2 As **root user**, change to the DVD mount point and run the installer.

B.1.3 `./setup_edex.sh`

B.1.4 *In first and second screens verify that version 2.0 is being installed*

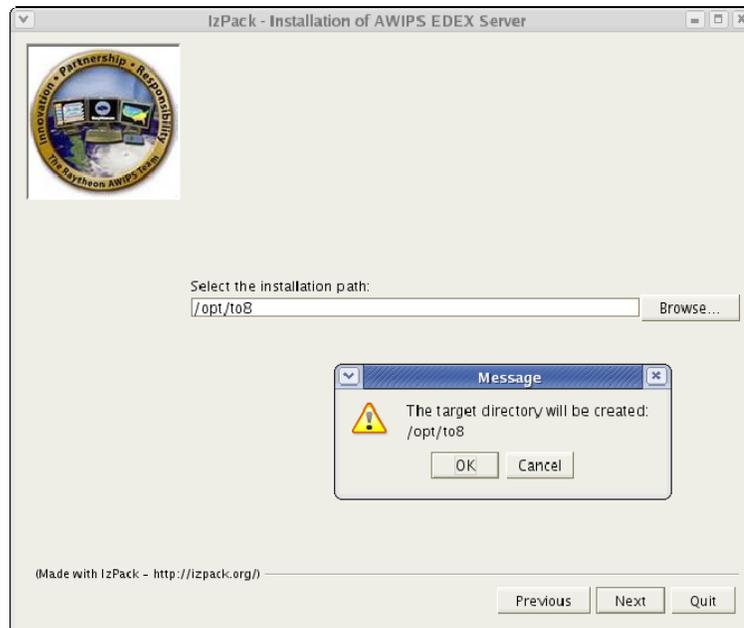
B.1.4.1 In the install wizard Welcome page, **Select “Next”**

B.1.4.2 In the second screen, **Select “Next”**

B.1.5 In the License screen, **Check “Accept”** and **Select “Next”**

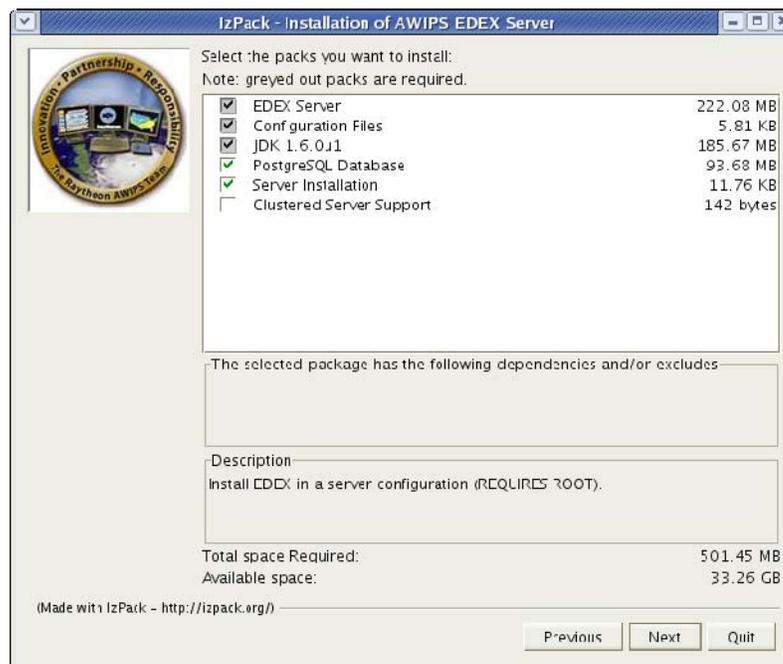


- B.1.6 For install path, *enter the path to the desired installation directory*, and **Select “Next”**. *This path is used as the {install Path} in the instructions.*



- B.1.7 **Click “OK”** to create the directory

- B.1.8 Package selection, **Check “Server Installation”**, but ***DO NOT* check “Cluster support”**. **Select “Next”**



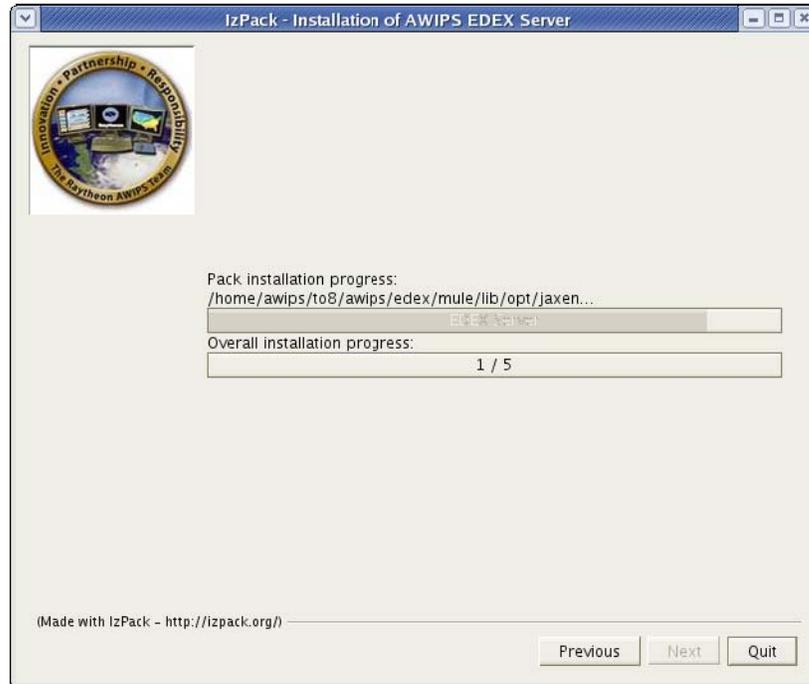
B.1.9 In the Configuration screen, **change the user and group fields to user awips and group awips to access Postgres ("awips" and "awips")**, then **Select "Next"** (The awips user should already exists.)



B.1.10 In Shortcuts screen, **Select "Next"**



B.1.11 When the installation is complete, **Select “Next”**



B.1.12 In the Processing screen, *note successful installation*, **Select “Next”**



- B.1.13 If the same configuration is to be installed on other computers, then Click the “Generate an automatic installation script” button. Also note the Uninstaller path. **Select “Done” to finish**



- B.1.14 Add the following to the user’s (awips) “.bashrc” file in their home directory:

```
export JAVA_HOME="{install path}/jdk1.6.0_01"  
export PATH="$JAVA_HOME/bin:{install path}/bin:$PATH"  
export LD_LIBRARY_PATH="{install  
path}/lib:$LD_LIBRARY_PATH"
```

- B.1.15 Source the .bashrc file to export the variables: “. .bashrc “

- B.1.16 Start the EDEX services (edex\_postgres, edex\_activemq, edex\_mule, edex\_tomcat) Using the GUI Services utility (/usr/bin/system-config-services) works well for starting/stopping the TO8 edex services, or use the service command. The service scripts are placed in /etc/init.d by the installer. Running the Tomcat service is optional.

- B.1.17 Start the EDEX services as follows:

B.1.17.3 In a terminal window type: **./system-config-services**

B.1.17.4 In the Service Configuration window, **select each of the EDEX**

**services** and **choose Start** (edex\_postgres, edex\_activemq, edex\_mule, edex\_tomcat) to run the service

B.1.17.5 *To start the services at system startup, check the box in front of the service name and save the changes*

B.1.18 Also the services can be started or stopped using the following commands:

B.1.18.6 `service edex_postgres start` or

B.1.18.7 `service edex_postgres stop`

B.1.18.8 `service edex_activemq start` or

B.1.18.9 `service edex_activemq stop`

B.1.18.10 `service edex_mule start` or

B.1.18.11 `service edex_mule stop`

B.1.18.12 `service edex_tomcat start` or

B.1.18.13 `service edex_tomcat stop`

B.1.19 *Check that the mule service started*

B.1.20 `cd {install path}/edex/mule/logs`

B.1.21 Execute `"tail -f"` on the mule logfile. Check to see that Mule started successfully and ensure that there are no fatal errors.

B.1.22 Execute: `chmod -R 775 {install path}/edex/opt/data/sbn`

B.1.23 Execute: `chown -R user:group {install path}/edex/opt/data/sbn`; Where the user and group are the names entered in the earlier configuration screen in B.2.9 (awips:awips).

**B.1.24 Stop the EDEX services and restart them**

The system should be operational. The ingest data script can be run to load products into the EDEX server and see the "Quick Start Admin Guide" to check out the system.

B.1.25 *EDEX can be uninstalled by running the Uninstaller.jar application.*

B.1.25.14 ***Before uninstalling the software stop the EDEX services (edex\_tomcat, edex\_mule, edex\_activemq, edex\_postgres)***

B.1.25.15 `java -jar Uninstaller.jar`