

ATTACHMENT E - Installing Memory Patch

E.1 **NOTE: This procedure requires root access and the procedure assumes that the installer is experienced with software installation and administration on Linux.**

E.2 This procedure describes running the TO9 memory patch script to update the EDEX server. During TO8 acceptance testing an issue with memory usage was discovered, so the TO9-MemoryPatch.tar file corrects these issues. This patch is not required for testing using canned data. In fact, the patch is necessary only if the EDEX server is ingesting live SBN data. This procedure is performed by the root user.

E.2.1 **Halt the edex services** (edex_postgres, edex_activemq, edex_mule, edex_tomcat) on computer running EDEX

```
service edex_postgres stop
service edex_activemq stop
service edex_mule stop
service edex_tomcat stop
```

E.2.2 Unpack the tarball "TO9-MemoryLeakPatch.tar" in /tmp or another location with enough disk space (need ~30MB available space). We are assuming /tmp here.

E.2.3 The following are the contents of the tarball:

E.2.3.1 README.patch

E.2.3.2 TO9-MemoryLeak.patch

E.2.3.3 Install-TO9-MemLeak-Patch.sh

E.2.3.4 TO9-MemoryLeakPatch.tgz

E.2.4 Change to the /tmp directory and run the patch install:

E.2.5 Install the patch. We are assuming that the person running the script has the necessary write permissions in the edex installation (i.e., the person running the script should be the owner of the edex installation).

E.2.5.1 `cd /tmp`

E.2.5.2 `./install-TO9-MemLeak-Patch.sh [absolute path of edex installation]`

E.2.5.3 Example: `./install-TO9-MemLeak-Patch.sh /{install path}`

E.2.6 The argument to the script must be the absolute path to the root of your edex installation. In the above example, the root of edex is `/{install path}`.

E.2.7 The tarball "TO9-MemoryLeakPatch.tgz" must be in your current directory.

E.2.8 After the patch has been applied, restart the edex services.

```
service edex_postgres start
```

```
service edex_activemq start
```

```
service edex_mule start
```

```
service edex_tomcat start
```

E.2.9 Cleanup: `cd /tmp` and remove the patch files.

E.2.10 NOTE: the file "TO9-MemoryLeak.patch" is the patch diff provided by Raytheon Omaha. It is not needed by this patch install. It is provided for those interested in the actual changes included in the patch and/or those who want to apply the patch, rebuild edex, and install the new jars themselves.