

# Upgrading SHRINE to 2.0.0 (from version 2.0.0-PR1 and later)

In most cases, upgrading an existing instance of SHRINE is a relatively quick process. Exceptions to this rule include older versions of SHRINE that contained substantial changes to configuration files and other portions of the file structure. The instructions here specifically describe an upgrade path from SHRINE 2.0.0-RC6 to SHRINE 2.0.0.

This guide makes the following assumptions of a current 2.0.0-RC6 system. Make sure all of these conditions are satisfied before proceeding:

- i2b2 1.7.09c is installed and operational.
- SHRINE 2.0.0-PR1 or later is installed and operational.

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## Shut Down SHRINE

Before starting the upgrade process, make sure SHRINE's Tomcat is not running. Leaving it running during this process can cause problems, especially with unpacking new .war files. Simply run the following command:

```
$ /opt/shrine/tomcat/bin/shutdown.sh
```

## Backup your current SHRINE configuration

Now that SHRINE is stopped, it is a good idea to back up the current versions of the components we will be upgrading. The exact method for making this backups may vary, but these instructions will place the backups in a folder called /opt/shrine/upgrade-backups.

Start by creating a folder to contain these backups:

```
$ mkdir /opt/shrine/upgrade-backups
```

Make especially sure that the shrine.keystore is backed up. If you lose the private side of a cert you may not be able to recover it.

```
$ cp /opt/shrine/shrine.keystore /opt/shrine/upgrade-backups/shrine.keystore
```

Finally remove the old .war files with this command:

```
$ rm /opt/shrine/tomcat/webapps/*.war
```

Also, you can remove all the existing folders from the /webapps directory:

```
$ rm -rf /opt/shrine/tomcat/webapps/shrine/  
$ rm -rf /opt/shrine/tomcat/webapps/shrine-api/
```

# Deploy New .war Files

## Deploy New SHRINE Core

Next, we will retrieve the new SHRINE war files from the HMS Sonatype Nexus server at: <https://repo.open.med.harvard.edu/nexus/content/groups/public/net/shrine/shrine-war/2.0.0/>. From there, download **shrine-war-2.0.0.war** to the **webapps/** directory on the SHRINE server and rename it to **shrine.war**.

For example:

```
$ cd /opt/shrine/tomcat/webapps
$ wget https://repo.open.med.harvard.edu/nexus/content/groups/public/net/shrine/shrine-war/2.0.0/shrine-war-2.0.0.war -O shrine.war
```

## Deploy New SHRINE API Service

Like other SHRINE artifacts, the SHRINE API Service can be found on the HMS Sonatype Nexus server at <https://repo.open.med.harvard.edu/nexus/content/groups/public/net/shrine/shrine-api-war/2.0.0/>. From there, download **shrine-api-war-2.0.0.war** to the **webapps/** directory on the SHRINE server and rename it to **shrine-api.war**.

For example:

```
$ cd /opt/shrine/tomcat/webapps
$ wget https://repo.open.med.harvard.edu/nexus/content/groups/public/net/shrine/shrine-api-war/2.0.0/shrine-api-war-2.0.0.war -O shrine-api.war
```

# Start SHRINE

The only thing left to do at this point is start SHRINE back up. Simply do the following:

```
$ /opt/shrine/tomcat/bin/startup.sh
```

## Verify SHRINE Upgrade

After starting SHRINE up, verify that the upgrade was properly deployed by checking the SHRINE Dashboard for the version number. The exact address you will need to go to depends on your configuration, but the general format looks like the following:

```
https://your_shrine_host:6443/shrine-dashboard
```

or

```
https://your_shrine_host:6443/shrine-api/shrine-dashboard
```