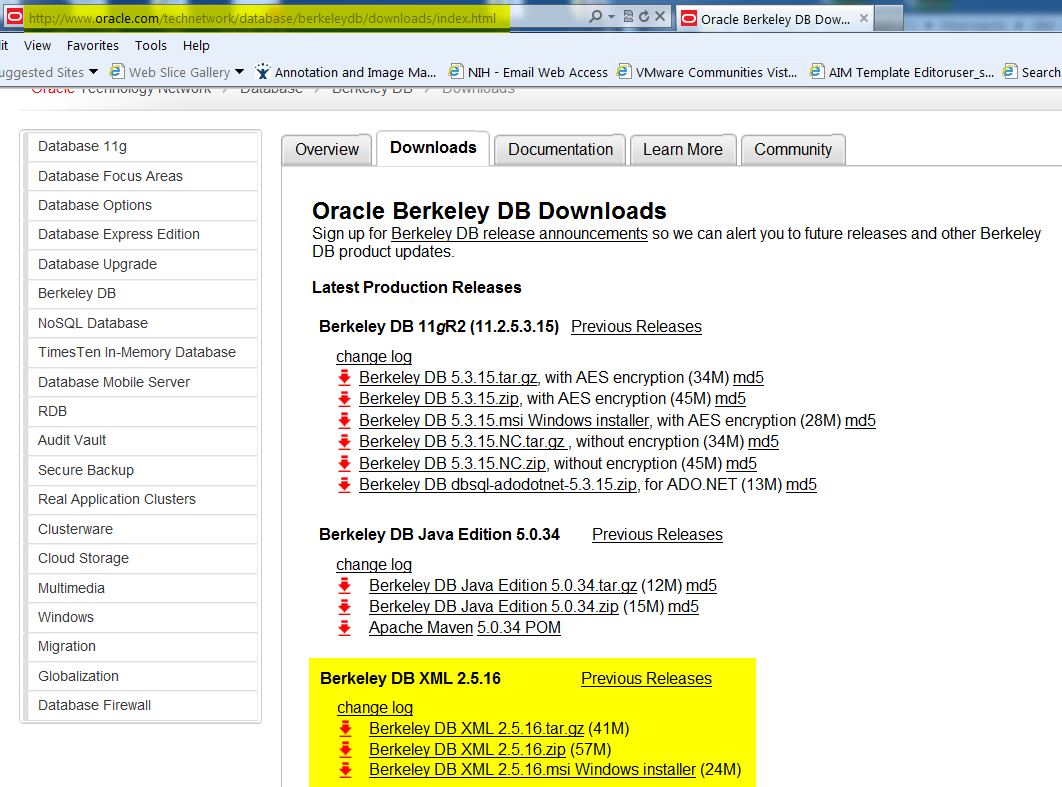
# Installation Instruction for AIM Template Service (ATS)

1. Download **Berkley DB XML** suitable for your platform from
   1. <http://www.oracle.com/technetwork/database/berkeleydb/downloads/index.html>



The version used for this installation instruction is Berkley DB XML 2.5.16.

* 1. Install the software per instructions provided
  2. Make sure to select Java integration option during installation. On Unix, you may need to run this command from the installation folder: ‘sh buildall.sh --enable-java’
  3. On Windows, PATH environment variable is modified to include DB XML executables. Database executables have to be included in the PATH for proper operation.
  4. [optional] Alternatively, pre-built Windows x64 version of Berkley DB XML can be downloaded from ATS download location. Use included with download instructions to configure your Windows 64-bit environment.

1. Install **Java 6 JDK** with latest updates:  
   <http://www.oracle.com/technetwork/java/javase/downloads/index.html>
2. Download ATS software package, **ATS-1.0.rar**, and store it in a folder.
3. Uncompress ATS package, ATS-1.0.rar. The archive file contains folder “ATS-1.0” with AIM Template Service executables.
   1. Windows – click the compressed file to open; drag its content out to a folder, e.g. C:\ATS-1.0
   2. Unix – unrar ATS-1.0.rar, a new folder named “ATS-1.0” will be created.
4. Create certificate
   1. [optional] Create your certificate(s) for running ATS over HTTPS.
5. Edit **serverConfig.txt**
   1. Go to “ATS-1.0” folder from above.
   2. Edit serverConfig.txt
      1. **port** = 4433 (AIM template service server port)
      2. **dbpath** = C:\ATS-1.0\xmldb (Path to a location where you want to store ATS data)
      3. **CaGridSecurityUrl** = (URL for STS authentication service)
      4. **keystorepath** = (path to the keystore) (optional. required if running over https)
      5. **keystorename** = (name of the keystore file) (optional. required if running over https)
6. Create database
   1. Create writable database folder , e.g. C:\ATS-1.0\xmldb – must correspond to the value of **dbpath** specified in the serverConfig.txt
   2. [optional] Open command line and change to the database folder
   3. [optional] In the database folder, run ‘dbxml’ command. This will put you into XML DB shell.
   4. [optional] In the XML DB shell, run ‘createContainer ats\_prod.dbxml’ command. This creates empty AIM Template Service database.
7. Run ATS application
   1. Windows
      1. Open Administrator command line prompt
      2. Go to “ATS-1.0” folder from above
      3. Type “%JAVA\_HOME%\bin\java” -Djavax.net.ssl.trustStore=certificates/stsClient.jks -Djavax.net.ssl.trustStorePassword=yearkiwi -jar AimTemplateService.jar  
           
         (NOTE: JAVA\_HOME environment variable must be set to point to your JDK location)
   2. Unix
      1. Open a terminal window
      2. Go to “ATS-1.0” folder from above
      3. Type java -Djava.library.path=/home/john /dbxml-2.5.16/install/lib/ -Djavax.net.ssl.trustStore=certificate/stsClient.jks -Djavax.net.ssl.trustStorePassword=yearkiwi -jar AimTemplateService.jar  
           
         (NOTE: java.library.path value depends on where you have installed Oracle DB XML)
   3. Watch console output for errors and warnings
8. Validate installation
   1. Open web browser on another computer
   2. Navigate to http[s]://<your server name>:<your port>/
   3. Login using caGRID login credentials or as a guest