



Quick Installation Guide
SAXTA Data Node
All Platforms Default Packaging

Review History

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1 What is SAXTA?

SAXTA is a free Landsat and Aster data dissemination tool, providing its user community with the ability to unify individual data holdings into a community managed and maintained archive. Each individual retains control of his/her own data, to expand or withdraw the data one contributes to the community at any time.

In short, with SAXTA, the community is the archive.

Please visit our web site <http://saxta.geog.umd.edu> or contact us at SaxtaHelp@ssaihq.com if you'd like more information.

2 Who sponsors SAXTA

SAXTA funding comes from a 2002 NASA REASoN CAN award.

3 What do I need to run it ?

SAXTA has been tested on Microsoft Windows 2000, XP and Vista O.S. SAXTA also works with Mac OS X and linux but with restrictions as for its ability to share Aster HDF files. The default implementation requires about 30 Mbytes of RAM, as well as 40 Mbytes of disk. SAXTA also needs port 8484, 9700 and 9701 to be available. If some of the ports are unavailable on your machine, contact us at SaxtaHelp@ssaihq.com and we'll guide you through SAXTA's advanced configuration to accommodate your specific requirements.

This default distribution of SAXTA also requires the Java Development Kit (J2SE) 5. Java J2SE 6 is preferred. The java JDK is available for download at:

- <http://java.sun.com/javase/downloads/index.jsp> for windows, Linux and Solaris, or
- <http://developer.apple.com/java/download/> for Mac Os X

4 Is SAXTA ready for prime time?

SAXTA is currently in Beta, and is not yet tested nor packaged for general distribution. SAXTA actively seeks user feedbacks in order to mature to a finished product that the community actually would like to use. Remember, SAXTA is being developed for you, and we need your help to make it the way you want it. Please let us know at SaxtaHelp@ssaihq.com.

5 Where do I get SAXTA?

You can download SAXTA free from its web site at <http://saxta.geog.umd.edu/download.html>. Select the "All Platforms" "SAXTA V1 Beta Testing Edition" (SaxtaV1Beta-Default-bxxxx.zip where xxxx is the SAXTA build number (currently 1365)). SAXTA is also available free on CD. Requests can be made at SaxtaHelp@ssaihq.com.

6 How do I install it?

SAXTA is currently packaged as a self contained portable application. Installation consists of unzipping `SaxtaV1Beta-Default-bxxxx.zip` onto you hard disk. SAXTA is immediately ready for use.

7 How to I start using it?

It's a 3 stage process:

1. Start SAXTA.
2. Configure SAXTA to join the SAXTA community.
3. Join the SAXTA community.

7.1 Starting SAXTA

Go into the `SaxtaV1Beta-bxxxx` directory, and you'll see 3 icons:

- A directory icon named `Saxta`.
- A `GoToSaxtaSettings` Internet Shortcut icon.
- A `SaxtaLauncher.jar` launcher application.

Double click on the `SaxtaLauncher.jar` icon. Should it not work (in a linux environment), open a shell, go into the `SaxtaV1Beta-bxxx` directory, and type `java -jar SaxtaLauncher.jar`. A white console window appears: (See Figure 1) SAXTA has started. We currently left the logging console visible, as we think that it could be useful should we have to troubleshoot SAXTA with you. In the mean time, you can minimize it and save some screen real estate.

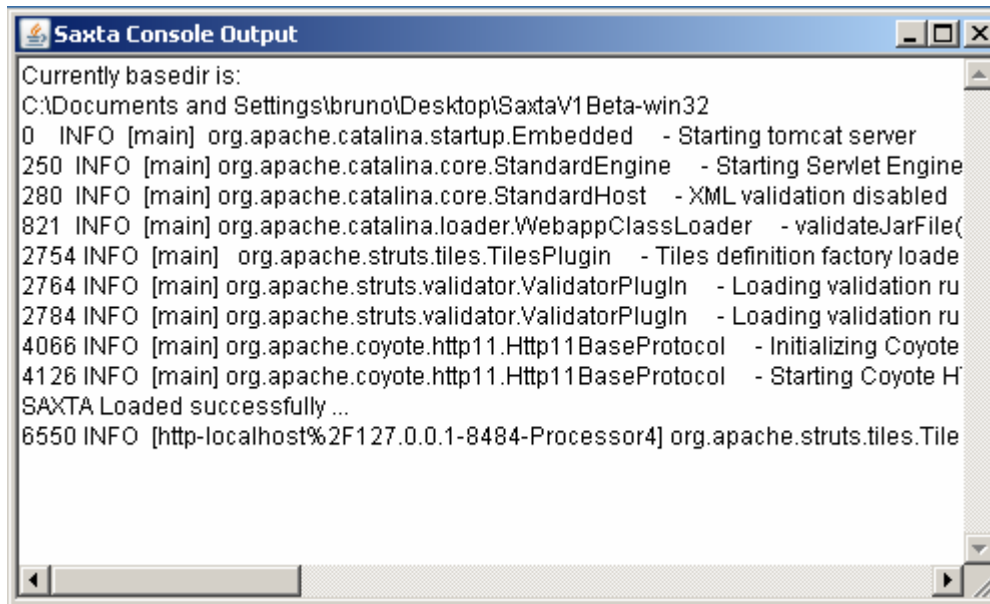


Figure 1: SAXTA logging console: successful deployment

SAXTA should also have opened a web browser to the SAXTA Settings Page. See Figure 2: The SAXTA Settings Section . If not you can open manual a browser by:

- Double click on the GoToSaxta-Settings Internet Shortcut icon located in the SaxtaV1Beta-Default-bxxxx.zip directory, or
- Double click on this link: <http://localhost:8484/SaxtaV1Beta/Setting.do>, or
- Start your favorite browser and enter the following URL:
<http://localhost:8484/SaxtaV1Beta/Setting.do>

You should see the following Settings web page (See Figure 2)



Figure 2: The SAXTA Settings Section

7.2 Configuring SAXTA

SAXTA comes pre-configured with sensible default settings, but *please* take the time to enter your own node name into the top first field: Create Your Own Node Name. (See Figure 2)

This will prevent having all SAXTA members being seen as “SaxtaDataNode”, and will also allow you to get some credit for the data you contribute to the community.

Click the button to save your settings and join the SAXTA community..

The SAXTA platform status should changed from:

- Off, to
- Discovering Communities, then to.
- Found the SAXTA Community, Joining the SAXTA Community, and finally to
- Ready.

At that point you have fully joined the SAXTA community and are ready to search or disseminate data.

Note: *What do I do if I also already have a Java web server installed on my machine?*

As long as you are not using port 8484, 9701 or 9700, both can co-exists as is. But you probably don't need the default packaging. Just download the "All platforms" "Servlet Only" SAXTA package from <http://saxta.geog.umd.edu/download.html> and deploy it into your existing java web server. Contact us at SaxtaHelp@ssaihq.com if you are having some issues in getting that to work.

8 How do I de-install it?

SAXTA is a portable application, which is self contained within its own directory. To remove / de-install SAXTA, just make sure to shutdown SAXTA (close the black white console in which SAXTA runs), and delete the `SaxtaV1Beta-bxxxx` directory.

If you downloaded some Aster or Landsat data via SAXTA, and you want to remove them as well, just delete the "My Documents\My SAXTA Holdings" directory on Windows, or "~mySaxtaHolding" for linux and MacOS X or wherever you had configured SAXTA to download your Aster and Landsat files into.