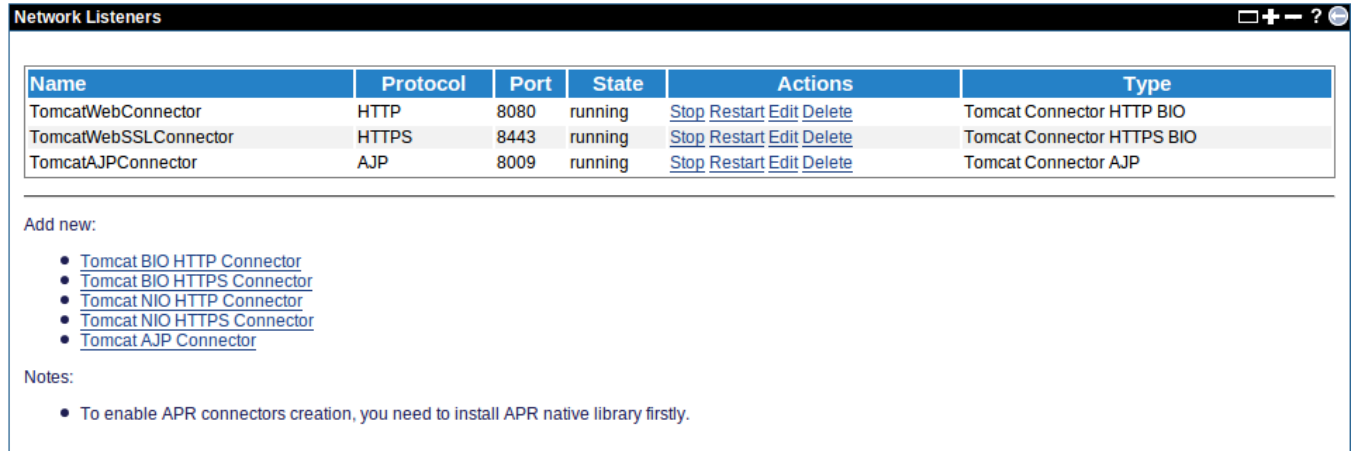


# Adding new listeners

For configuring new listeners (HTTP, HTTPS and AJP) to the Web container in use (either Jetty or Tomcat) the **Network Listener** portlet is available by selecting **Web Server** on the **Console Navigation** menu on the left hand side. From this portlet you can add new listeners and change the status (stop, start, delete) of the existing connectors.



Name	Protocol	Port	State	Actions	Type
TomcatWebConnector	HTTP	8080	running	<a href="#">Stop</a> <a href="#">Restart</a> <a href="#">Edit</a> <a href="#">Delete</a>	Tomcat Connector HTTP BIO
TomcatWebSSLConnector	HTTPS	8443	running	<a href="#">Stop</a> <a href="#">Restart</a> <a href="#">Edit</a> <a href="#">Delete</a>	Tomcat Connector HTTPS BIO
TomcatAJPConnector	AJP	8009	running	<a href="#">Stop</a> <a href="#">Restart</a> <a href="#">Edit</a> <a href="#">Delete</a>	Tomcat Connector AJP

Add new:

- [Tomcat BIO HTTP Connector](#)
- [Tomcat BIO HTTPS Connector](#)
- [Tomcat NIO HTTP Connector](#)
- [Tomcat NIO HTTPS Connector](#)
- [Tomcat AJP Connector](#)

Notes:

- To enable APR connectors creation, you need to install APR native library firstly.

Note that this version of Apache Geronimo lets you specify what implementation (BIO or NIO for Jetty and BIO, NIO and APR for Tomcat) you want to use for a given connector type. To enable Tomcat APR connectors creation, you need to install APR native library firstly. The specific parameters for configuring the connectors won't change based on the implementation you choose so, for simplicity, we will just show the generic HTTP, HTTPS and AJP configuration details.

- [Add new AJP listener](#)
- [Add new HTTP Listener](#)
- [Add new HTTPS listener](#)

The configuration options for each of the connectors listed below will be slightly different between Jetty and Tomcat Web containers. Tomcat for instance will have far more *optional* attributes to set compared to Jetty, however the **required** attributes will be the same for both containers. You may also edit configuration files manually to add/update web listener.

- For Tomcat webContainer, edit `server.xml` file under the `<Geronimo_Home>/var/catalina` directory
- For Jetty webContainer, edit `config.xml` file under the `<Geronimo_home>/var/config` directory