Starting and stopping application modules

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You can change the status of an application in two different ways. You can use the Deployer tool or the Geronimo Administration Console.

As mentioned before, the **Deployer tool** has many commands. In Installing and removing applications section we have explored mainly deploy and undeploy and very briefly list-modules. This section is going to focus on the latter command to retrieve the name of the module we want to change the status and will introduce two new commands, **start** and **stop**. Later we will discuss the use of the Geronimo Administration Console as the alternative method.

The **list-module** command accepts the following tree parameters:

- --all : is used by default when no other option is specified. It will list all the available modules.
- --started : this option will list only the modules that are running.
- --stopped : this option will list only the modules that are not running.

This is usefull to identify the status of a particular module and the module ID itself. We will use this command to identify the **HelloWorld** application and change it's status.

From a command line window run the following command from the <geronimo_home>\bin directory to list all the modules:

deploy --user system --password manager list-modules

You will receive a list of all the modules installed on the server. Note that the started modules are differenciated by a **+** sign on the left and are displayed first in the list.

Our taget now is " **+ sample.applications/HelloWorldApp/1.1/war @ http://hc2t60p:8080/hello** " , this module's status is **started** since there is a **+** on the left. Alternatively, you can run the following command to list just the started modules:

deploy --user system --password manager list-modules --started

To stop the " **sample.applications/HelloWorldApp/1.1/war** module type the following command:

deploy --user system --password manager stop sample.applications/HelloWorldApp/1.1/war

You will receive a confirmation message similar to the one listed below indicating that the module has been stopped.

When you list all the stopped modules you should now see added to the list the **sample.applications/HelloWorldApp/1.1/war** module. See the command and results in the following example.

To start the modules just use **start** instead of stop.

deploy --user system --password manager start sample.applications/HelloWorldApp/1.1/war

As an alternative to the command line option you can use the Geronimo Administration Console to change the status of the modules. Open the Geronimo Administration Console and navigate to **Applications** on the **Console Navigation** menu on the left hand side. There you will find **Application EARs** and **Web App WARs**, depending on the type of application you want to change the status, you will choose either **Application EARs** or **Web App WARs**. For this example we will continue to use HelloWorld.war as the sample application, hence we will select **Web App WARs**.

Installed Web Applications [view]

Component Name	URL	State	Commands	
geronimo/remote-deploy-tomcat/1.1/car	/remote-deploy	running	Stop	Uninstall
geronimo/welcome-tomcat/1.1/car	/	running	Stop	Uninstall
sample.applications/HelloWorldApp/1.1/war	/hello	running	Stop	Uninstall

We used this portlet in the Installing and removing applications section to install and remove applications via the Geronimo Administration Console. From this same portlet you can also change the status of the applications. The avaialable commands within the portlet will change depending on the status for each application. If the application is in **running** status (started), only the command **Stop** will be displayed. If the application is **stopped**, only the command **Start** will be displayed. The **Unninstall** command will always be displayed independently of the status of the application. To change the status of the application just click on the command (Start or Stop).