

# Monitoring

By default, WCS uses port 50999 for JMX. Various monitoring tools such as VisualVM, JConsole, Java Mission Control connect to this port. The port can be configured in [startup settings of the server](#).

If you cannot connect from JConsole or VisualVM using standard parameters, try one of the following ways:

1. In the [wcs-core.properties](#) settings file replace

```
-Djava.rmi.server.hostname=localhost
```

to

```
-Djava.rmi.server.hostname=192.168.1.5
```

where 192.168.1.5 is the IP address of the network interface the server runs on.

See also: [Starting the server](#).

2. In `/etc/hosts`

add a link from localhost to the IP address of the network interface, for example

```
192.168.1.5 localhost
```

As a result, you can connect to the JMX monitoring system directly through the server address (i.e. 192.168.1.5:50999) or through a tunnel (i.e. localhost:50999).

Creating a tunnel is described in the below section.

