How to run NET-SNMP agent as a subagent of a SNMP4J-AgentX master agent?

Run SNMP4J-AgentX Master Agent

The following command line starts the SNMP4J-AgentX master agent for testing. The option **-X** binds the AgentX listen port to the local loop address on port **705**.

Note: On UNIX systems, you will have to run the agent with root privileges in order to be able to bind ports below 1024.

```
java -cp snmp4j-agentx-2.0.1.jar;snmp4j-agent-2.0.6.jar;snmp4j-2.1.jar org.snmp4j.agent.agentx.master.test.
TestMasterAgent -X tcp:127.0.0.1/705 udp:0.0.0.0/161
```

Run NET-SNMP Subagent

When the master agent is running, you can start the NET-SNMP subagent:

```
cd net-snmp-5.5/agent/
./snmpd --X 705
```

The option **--X** lets the NET-SNMP agent run as an AgentX sub-agent that connects to the port **705** on the local host.

Both agents can be stopped and restarted individually, because the subagent will try to reconnect periodically if it loses connection to the master agent.