Why do I get a java.net.BindException when initializing a TransportMapping?

There can be several reasons why a **java.net.BindException** is thrown when initializing a TransportMapping for listening on traps or incoming SNMP requests:

1. The port is 161 or 162 (or any other port below 1024) on an Unix system. Then you need to **run your application/agent with root privileges** to be able to bind that port.
2. The **port is already used** by another application.
3. The **address does not belong to the local host**. For example, if the local host has interfaces with address 127.0.0.1 (local loop), 192.168.0.1 (eth0), and 192.168.1.1 (eth1) then you will get a bind exception when trying to init a transport mapping on 192.168.2.1. In most cases, using 0.0.0.0/<port> is the best choice. This special address binds all available local interfaces.