

# Port Numbers in EntireX

This chapter covers the following topics:

- Ensuring Unique Port Numbers
  - Port Number Configuration
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## Ensuring Unique Port Numbers

The following five port numbers must be unique for each installation of EntireX.

- **Default EntireX Broker**
  - TCP/IP port
  - SSL port
- **Administration**
  - TCP/IP port
  - SSL port
- **Application Monitoring Data Collector**
  - TCP/IP port

Uniqueness checks are performed during installation. If one port in block **Default EntireX Broker** or **Administration** is in use, both ports in this block are recalculated. You can change these values as required.

Any new port number must be a positive integer greater than 1024. If you enter a port number that is already in use, an error message is displayed. All five ports must be assigned correctly before the installation can continue.

## Port Number Configuration

In versions before 8.2, the default broker ID was "localhost", which implied "localhost:1971" (default port number). From version 8.2, however, the default port number can be changed during installation, and *must* be changed in the case of a multiple installation (see Ensuring Unique Port Numbers).

The following configuration/property files for RPC servers in directory *EntireX/config* contain a default broker ID:

- `dotNetServer.cfg` (Windows only)

- `cserver.cfg`
- `microfocussserver.cfg`
- `exxatm.cfg`
- `entirex.cicsecl.properties`
- `entirex.imsconnect.properties`
- `entirex.javarpserver.properties`
- `entirex.rpcacibridge.properties`
- `entirex.wmqbridge.properties`
- `entirex.wmqbridgelistener.properties`
- `entirex.xmlrpcserver.properties`

The configuration/property files are updated automatically during installation.

"BrokerID=localhost" is now "BrokerID=localhost:1971", or if port 1988, for example, was specified during installation, "BrokerID=localhost" becomes "BrokerID=localhost:1988".

If the port numbers are changed *after* installation, you need to update the config/property files in the list above accordingly.