Connecting to Entire Net-Work 7

Using the Simple Connection Line Driver, you can connect your Entire Net-Work on open systems (Entire Net-Work 7 or later) to databases on the Simple Connection Line Driver node. These connections can happen in any one of these ways:

1. They can happen automatically when you start systems with Entire Net-Work 7 (or later) installed. In this case, Entire Net-Work 7 initiates the connection.

   The communications mechanism by which this connection occurs between Entire Net-Work 7 and the Simple Connection Line Driver is referred to as *chirping*. This should not be confused with the broadcast messages that Entire Net-Work sends about node availability. Broadcast messages are similar in function, but do not occur between Entire Net-Work 7 and the Simple Connection Line Driver.
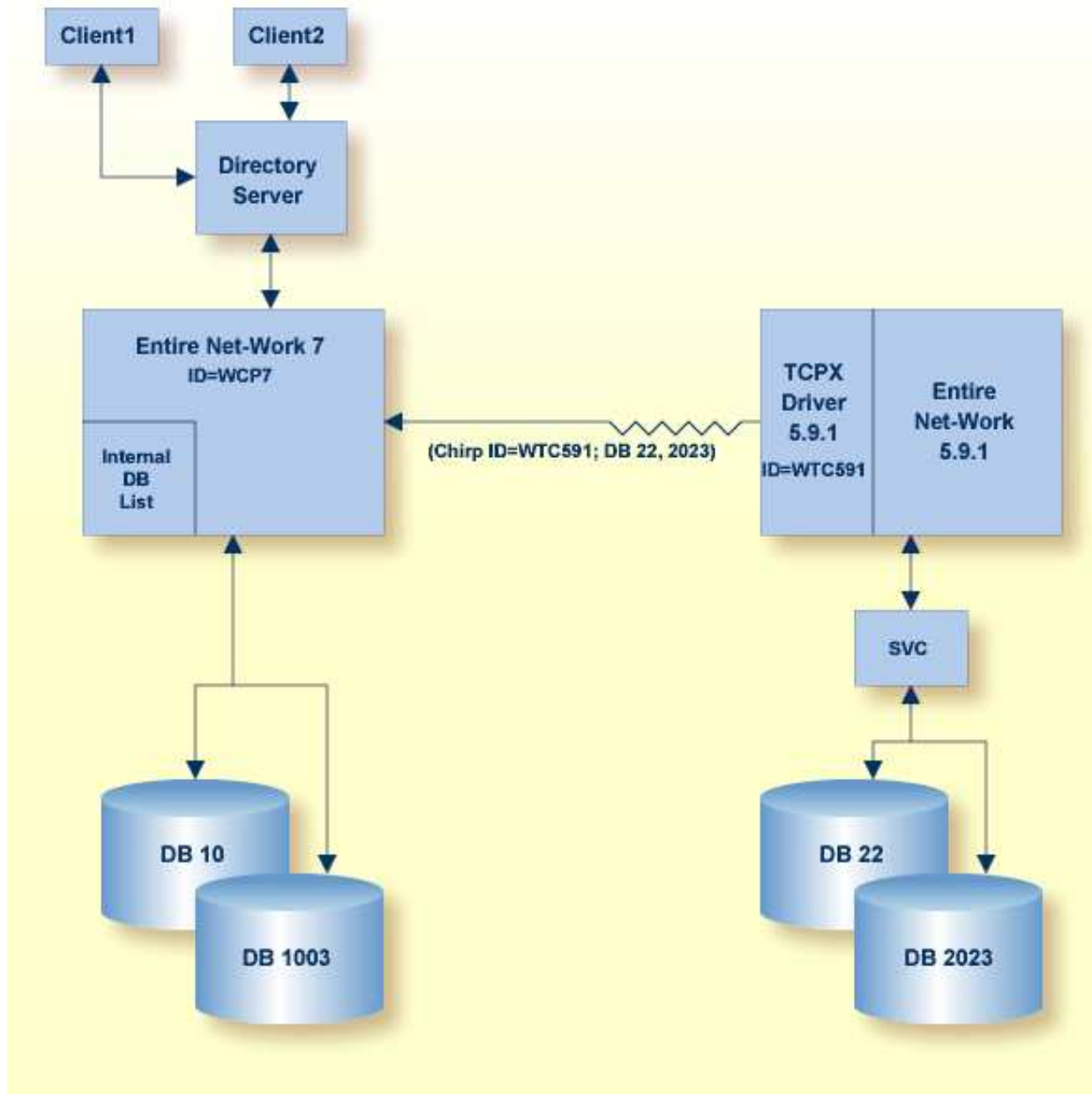
   Note:
   If you do not have Entire Net-Work 7 installed, contact your Software AG technical support representative about acquiring it or about acquiring the Entire Net-Work Client available for download from Software AG's Empower web site (*https://empower.softwareag.com*).

   When an Entire Net-Work 7 or Simple Connection Line Driver system is started, it chirps that it is available to its internal list of known Entire Net-Work connections. In addition to indicating that the system is now available, the chirp identifies which Adabas databases the system has access to and what their availability is. The system receiving the chirp can then establish and store, through its own processing, the URL of the system that chirped. The end result is that Entire Net-Work 7 systems and Entire Net-Work systems with Simple Connection Line Driver installed can readily access each other's databases.

2. They can happen when you start other Entire Net-Work (mainframe) systems with the Simple Connection Line Driver installed. In this case, the Entire Net-Work Simple Connection Line Driver makes the connection. These connections can be made:

   - Manually via Simple Connection Line Driver CONNECT commands. The link must specify either the IP address or host name of the node running Entire Net-Work 7 as well as the port on which Entire Net-Work 7 lists for connections. For more information, read *Link Commands*.

   - Automatically, based on Simple Connection Line Driver LINK statement specifications and its ACQUIRE and RESTART parameter settings. The LINK statement must specify either the IP address or host name of the node running Entire Net-Work 7 as well as the port on which Entire Net-Work 7 lists for connections. For more information about the LINK statement and its ACQUIRE or RESTART parameters, read *TCPX LINK Statement*.

   Once a connection is established between two nodes, the nodes send chirps back and forth that identify their databases and indicate the availability of those databases.

The following diagram depicts the interaction between systems with the Simple Connection Line Driver installed and Entire Net-Work 7 systems.

There is one limitation to these connections.

- If you want point-to-point connections to the actual databases, a second Directory Server or a different partition in the existing Directory Server is needed. For more information, refer to your *Software AG Directory Server Documentation*.