

Biacore X100 software version 2.0.2

Installation instruction

Version information

Biacore™ X100 software version 2.0.2 supports installation and use on 64-bit computers. No user functionality has been added or changed from version 2.0.1.

Scope of this document

This document provides instructions for the following operations:

- installing Biacore X100 software, including the Oracle® database where all user data is stored.
- Connecting a second computer to the database on the system controller.
- Migrating the database content from version 2.0.1 to version 2.0.2.

Installation

Requirements

Installation of the Oracle database and Biacore X100 software version 2.0.2 require the following:

- A system controller (the computer directly connected to the Biacore X100 instrument) with 64-bit architecture running Windows® version 7 or 10.
- The person performing the installation must have **Administration** privileges in the operating system.
- Microsoft® .NET Framework 3.5 is required for installation on Windows 10. This will be installed if necessary as part of the software installation.
- Use the product key provided with your Biacore X100 software version 2.0.1 for the installation of version 2.0.2.

Note: Due to the different operating system requirements, Biacore X100 software version 2.0.2 cannot be installed on the same computer as version 2.0.1.

Installation procedure

Follow the steps below to install the software. For each step, follow the instructions on the screen and acknowledge any license agreements that are presented.

| Step | Action |
|------|---|
| 1 | Download the installation files for version 2.0.2 from cytiva.com . |
| 2 | Install the database. |
| 3 | Install the Control Software. |
| 4 | Install the Evaluation Software. |
| 5 | Install the Plus Package if it is included in your system purchase. |

Connecting from another computer

Introduction

This section provides instructions for connecting to the database on the system controller from another computer. This is typically required when the Biacore X100 Evaluation Software is used on an additional computer to evaluate data stored on the system controller. The default license permits installation on the system controller and one additional computer.

Install the Evaluation Software and the optional Plus Package on the additional computer. You should not install the database on the additional computer.

System controller firewall settings

The system controller is supplied by default with the Windows firewall active. This blocks all incoming connections on non-standard ports, including the port used for communication between the Oracle client and database. We recommend that you do not deactivate the Windows firewall.

Follow the steps below to configure the firewall on the system controller to allow Oracle communication. Do not change the firewall settings on the additional computer.

| Step | Action |
|------|--|
| 1 | Open the Windows Firewall settings. Depending on your Windows version, this may be accessed directly from the Control Panel or through Windows Defender. |
| 2 | Select Advanced settings . |
| 3 | Select Inbound rules, then select New rule . |
| 4 | Select Port and click Next . |
| 5 | Select TCP . Enter 1521 in the Specific Local Ports field. Click Next . |
| 6 | Select Allow connection and click Next . |
| 7 | Select all options Domain , Private and Public and click Next . |
| 8 | Enter Oracle XE Listener as the name of the rule. |
| 9 | Click Finish . |

Connection procedure

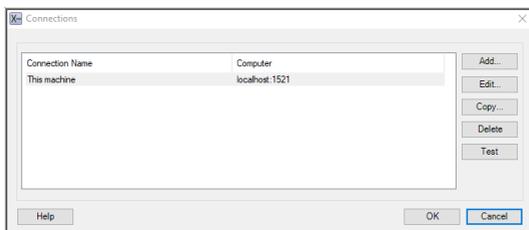
Follow the steps below to establish the connection.

| Step | Action |
|------|---|
| 1 | <p>Find the full computer name or IP address of the system controller.</p> <p>The full computer name is shown in the System Properties, accessed from the Windows Control Panel.</p> <p>Consult your IT personnel if you need assistance.</p> |
| 2 | <p>Start the Biacore X100 software (either Control or Evaluation software). Select Options in the login dialog.</p> <p>Note:</p> <p><i>The connection only needs to be set up once: it will be available in both the Control and Evaluation software.</i></p> |

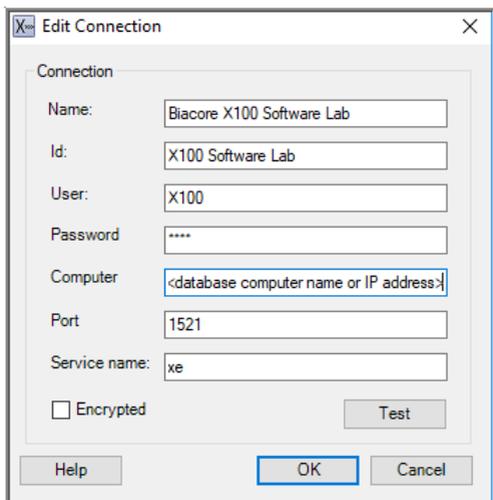
Step Action



3 Select **Add** to add a new database connection.



4 Enter the connection settings as listed below.



Step **Action**

| Setting | Description |
|---------------------|--|
| Name | Connection name. This is displayed in the login dialog. |
| Id | Connection identifier. This must be unique within the context of the Oracle client installation. |
| User | Username for Oracle client access to the database. Value X100 . |
| Password | Password for Oracle client access to the database. Value X100 . |
| Computer | Full computer name or IP address to the system controller. |
| Port | Port for communication between the Oracle client and the database. Value 1521 . |
| Service name | Name of the database service. Value xe . |
| Encrypted | Check this option to protect the connection settings with a user-defined password. |

- 5 Select **Test** to test the connection. If the test fails, check that the parameters **User** and **Password**, **Computer** and **Port** are correctly set.
 - 6 Select **OK** to save the connection settings.
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Upgrading from Biacore X100 software version 2.0.1

Recommendation

Biacore X100 software version 2.0.2 does not include any changed or new functionality compared with version 2.0.1 that has been updated with Service Update 2. Upgrade from version 2.0.1 to version 2.0.2 is not generally necessary (a change from 32-bit to 64-bit computer architecture will require a new installation of Biacore X100 software on the 64-bit computer).

Instructions for migrating database content from version 2.0.1 to version 2.0.2 are given below. Migration will delete any existing content in the version 2.0.2 database. It is therefore important that migration is performed directly after installing the version 2.0.2 database, before any database content is created.

Database migration from version 2.0.1

Introduction

If you are installing Biacore X100 software version 2.0.2 as an upgrade to an existing version 2.0.1 installation, you will need to migrate the database content from the existing installation to the new version.

Migration involves the following

- Export the database content from version 2.0.1
- Transfer the exported file to the computer hosting version 2.0.2 (this will be a different computer since the operating system requirements differ between the versions)
- Import the database content to version 2.0.2

Requirements

The following requirements must be met for database migration:

- The user performing the migration must have **Administration** privileges in the operating system.
- Biacore X100 software version 2.0.2 has been installed on the system controller.
- The version 2.0.2 database has not been used to store any user data. Migration will overwrite any previous database content.

Migration files

The following files are required for the migration procedure. The files may be downloaded from cytiva.com.

- `RunMeToExport.bat`
- `RunMeToImport.bat`
- `import_script.sql`

Migration procedure

Follow the steps below to perform the database migration:

| Step | Action |
|-------------|--|
| 1 | Copy <code>RunMeToExport.bat</code> to the computer hosting the version 2.0.1 database. |
| 2 | Run <code>RunMeToExport.bat</code> . <i>Result:</i> The database contents are exported to the file <code>x100.expdp.dmp</code> in the folder <code>C:\oraclexe\app\oracle\admin\xe\dpdump</code> . |
| 3 | Transfer the file <code>x100.expdp.dmp</code> to the corresponding folder (<code>C:\oraclexe\app\oracle\admin\xe\dpdump</code>) on the computer hosting the version 2.0.2 database. |
| 4 | Copy <code>RunMeToImport.bat</code> and <code>import_script.sql</code> to the the same folder as the exported file on the computer hosting the version 2.0.2 database. |
| 5 | Run <code>RunMeToImport.bat</code> . <i>Result:</i> The exported database contents are imported to the version 2.0.2 database. Note: <i>Any previous content in the version 2.0.2 database will be overwritten.</i> |



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