Alloantibody Exchange
ETL Application Setup

The instructions below demonstrate the setup the Alloantibody Exchange.

I.   Prerequisites

II. Alloantibody Exchange Software installation and configuration

I. Prerequisites

A. Setup requires a Windows machine to host the software. For example, a virtual machine with Windows Server 2022 will work. These are typically available for free with a Microsoft Enterprise license. No special memory requirements are necessary. If your blood bank information is remote hosted and you would like to have the remote host perform the setup, please reach out.

B. To identify the source of the data, have your team login code available. This is the same code used to login at alloantibody.org. It was emailed to your team on signup.

C. To access the blood bank information system database, this setup workflow requires a connection string. Please coordinate with your database administrator. Also see the next page.

Questions? george.hauser@alloantibody.org

PART IC. Obtain the Connection String

These instructions show how to create a database service account for the Alloantibody Exchange software to access your blood bank information system. The service account will become part of the connection string in Part II. The instructions differ for an Oracle vs. Microsoft database.

Oracle	Microsoft
• Cerner (PathNet Blood Bank) • Haemonetics (SafeTrace Tx)	• Soft Computer Corporation • WellSky • Haemonetics (SafeTrace Tx)

PART IIA: Oracle Connection String

1. Login to the Oracle database

2. Create a user.

```
CREATE USER AlloantibodyExchange IDENTIFIED BY my_password
```
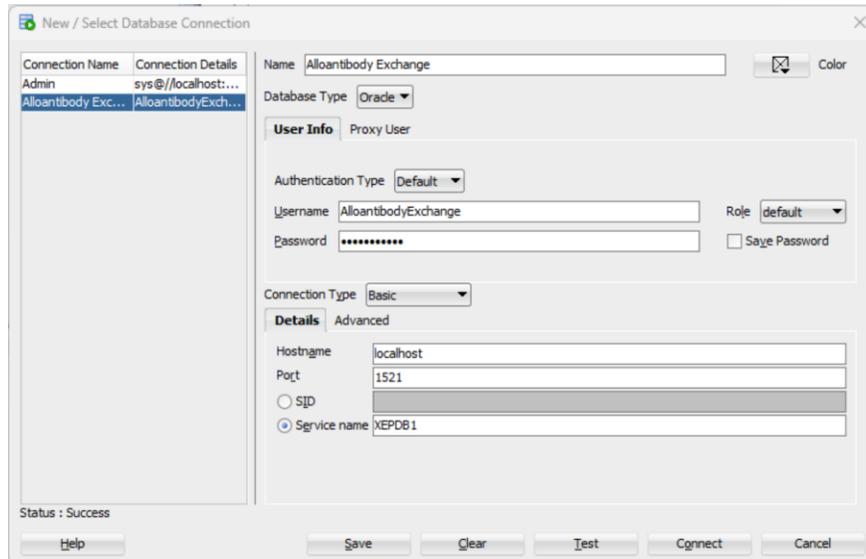
3. Provide the user SELECT permissions.

```
GRANT CREATE SESSION TO AlloantibodyExchange;
GRANT SELECT ANY TABLE TO AlloantibodyExchange;
```

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4. Create the connection string.

Hostname is the server. Service name is the database name. Port is 1521. Test the connection string. Status (lower left) should say **Success**.

PART IIB: Microsoft SQL Server Connection String
1. Login to SQL Server and execute the following commands to create a service account.

```
-- Creates the server login.
CREATE LOGIN serviceAccountAlloantibodyExchange WITH PASSWORD = '340$Uuxwp7Mcxo7Khy';

-- Creates a database user for the login created above.
CREATE USER serviceAccountAlloantibodyExchange FOR LOGIN serviceAccountAlloantibodyExchange;

--Grants 'select' permissiosn to the user.
GRANT SELECT TO serviceAccountAlloantibodyExchange;
```
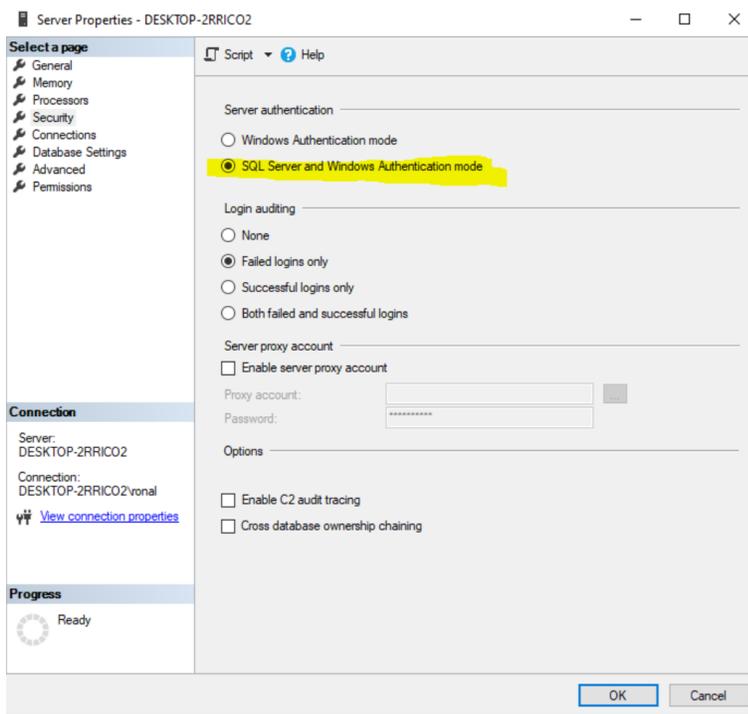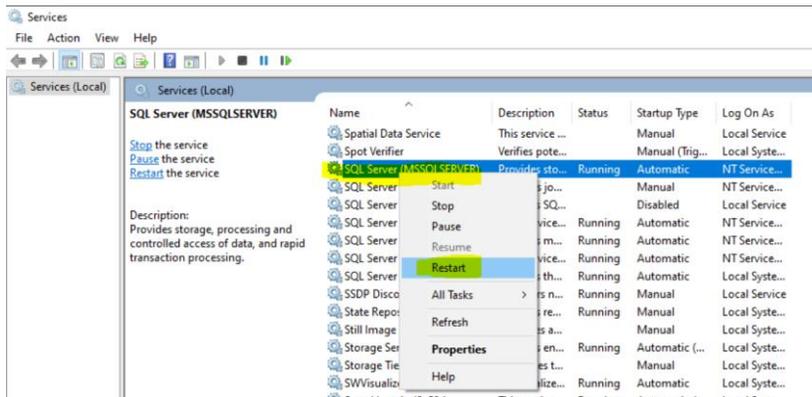
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2. Allow password logins. Server > Properties

If you change the setting, it will mention the service requires a re-start to take effect. Restart SQL server by opening "Services", navigating to SQL Server, and selecting (right click) "Restart".


(optional) If integrated security is preferred, login to the server with the service account. Use this

modified connection string, "Data Source=*server_name*;Initial Catalog=*db_name*;Integrated
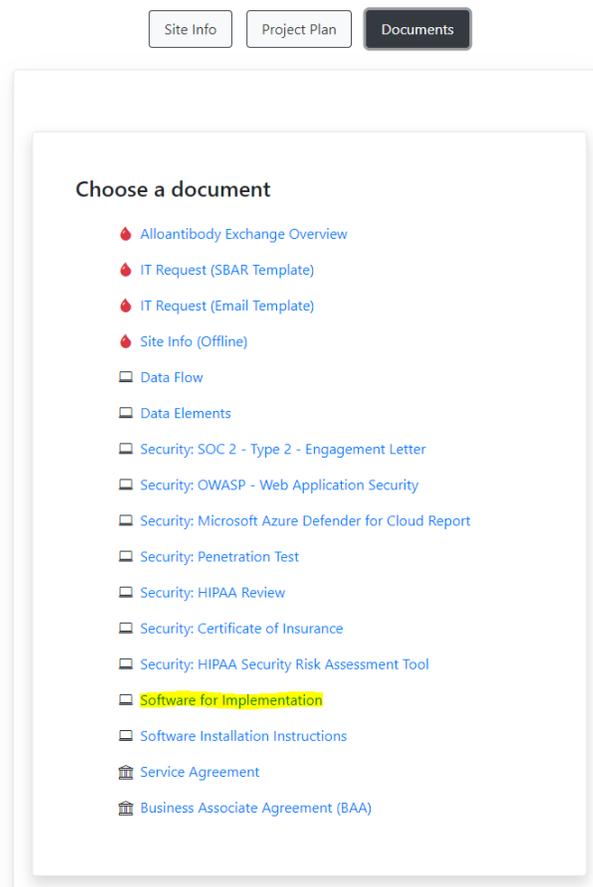
Security=True;Encrypt=True;TrustServerCertificate=True;".

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The setup program is available for download online. Login at alloantibody.org.
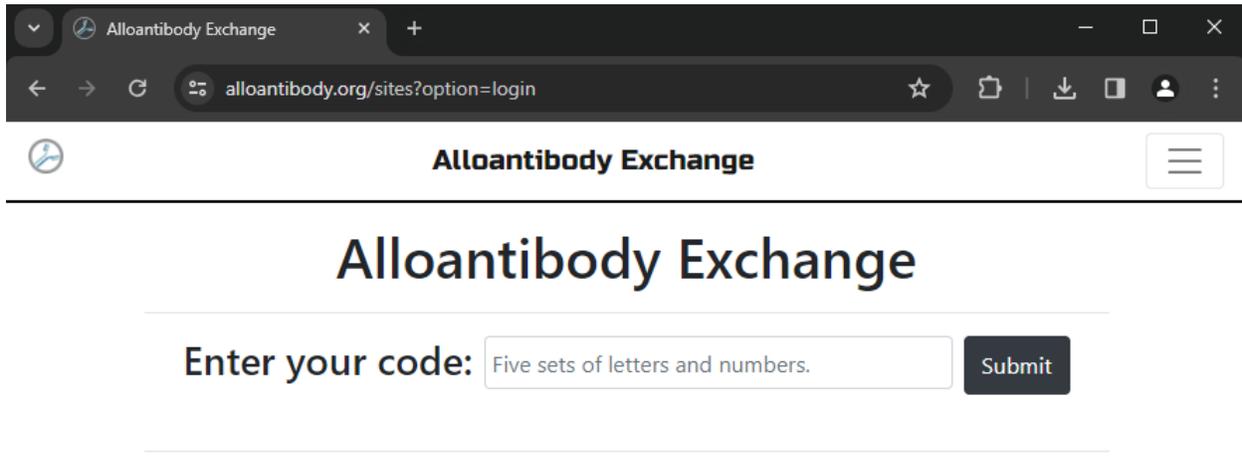
Download the highlighted installation file.

Questions? george.hauser@alloantibody.org
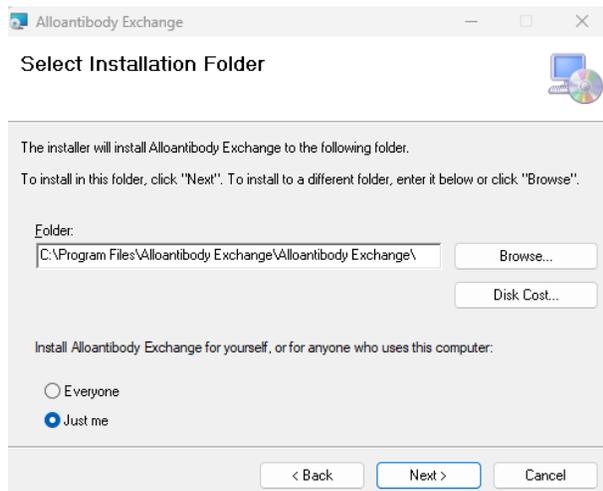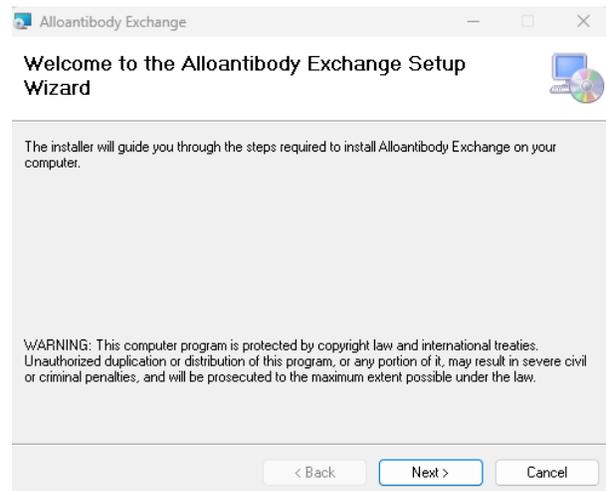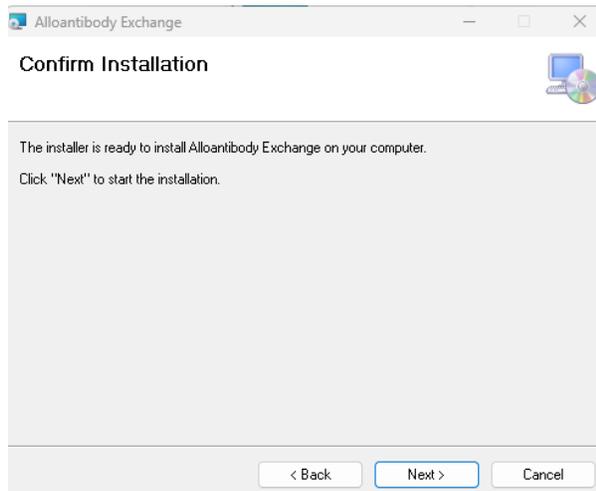
Find the downloaded file: **Alloantibody_Exchange_-_ETL_Setup.msi**

Open the file. You may receive a warning message. Click "More info", "Run anyway".

Windows protected your PC

Microsoft Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

More info

Don't run

Click through these screens.

Alloantibody Exchange — □ ✕

Confirm Installation

The installer is ready to install Alloantibody Exchange on your computer.

Click "Next" to start the installation.

< Back   Next >   Cancel

Alloantibody Exchange — □ ✕

Welcome to the Alloantibody Exchange Setup Wizard

The installer will guide you through the steps required to install Alloantibody Exchange on your computer.

WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.

< Back   Next >   Cancel

Alloantibody Exchange — □ ✕

Select Installation Folder

The installer will install Alloantibody Exchange to the following folder.

To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".

Folder:

C:\Program Files\Alloantibody Exchange\Alloantibody Exchange\   Browse...

Disk Cost...

Install Alloantibody Exchange for yourself, or for anyone who uses this computer:

○ Everyone
● Just me
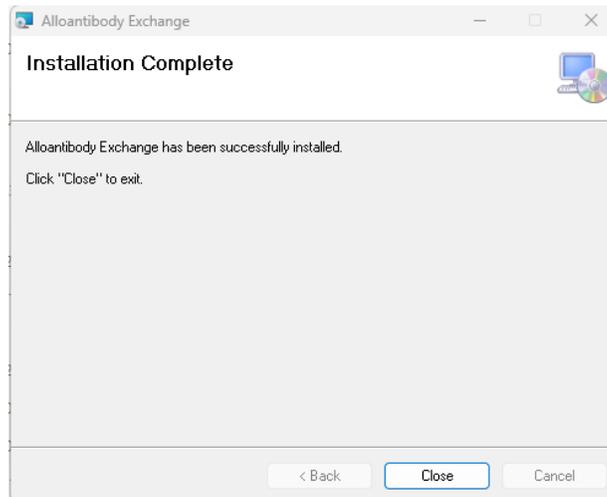
< Back   Next >   Cancel
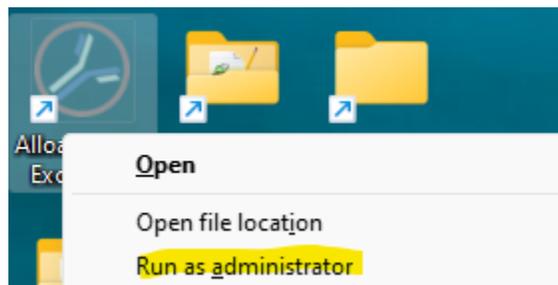
Questions? <u>george.hauser@alloantibody.org</u>

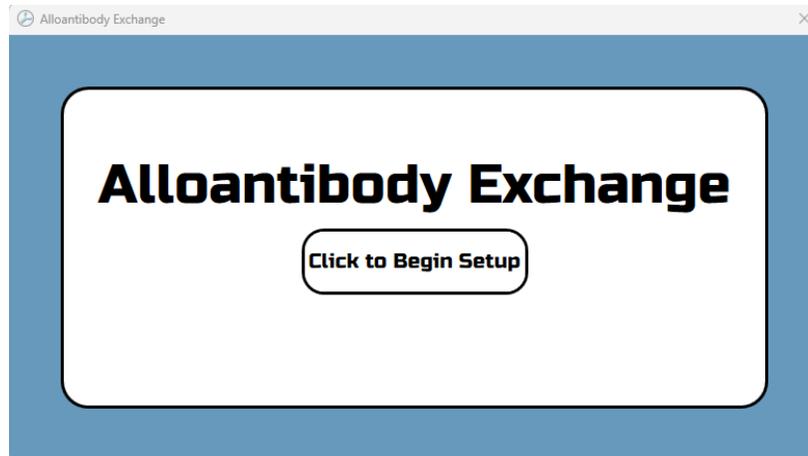A request to install the program will open.

An icon is now available on the desktop.

The program requires administrator privileges to install. To run the program as an administrator, hold

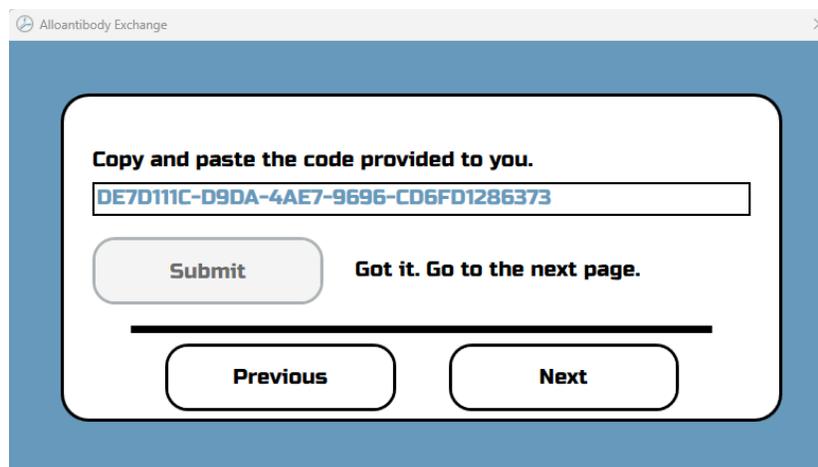the shift key and right click the icon. Choose "Run as administrator".

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Enter your team's login code. You used this to download the file. See "Prerequisite B" on the first page.

If you enter an incorrect code, click in the input box and try again.

This is your connection string. See "Prerequisite C" on the first page. If you enter an incorrect connection string, click in the input box and try again.