

# 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.



# 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
<ul> <li>Cerner (PathNet Blood Bank)</li> </ul>	Soft Computer Corporation
<ul> <li>Haemonetics (SafeTrace Tx)</li> </ul>	• WellSky

#### PART IIA: Oracle Connection String

1. Login to the Oracle database

Connection Details	Name Admin				Color
	Database Type	Oracle 💌			
	User Info Pr	oxy User			
	Authentication	Type Default	•		
	<u>U</u> sername sys			Ro	ole SYSDBA 🔻
	Password •••	•			Save Password
	Connection Type	Basic	•		
	Details Adva	inced			
	Hostname	localhost			
	Port	1521			
	<ul> <li>● SID</li> <li>○ Service par</li> </ul>	xe			
	) Service ridir	e			

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;



4. Create the connection string.

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

Connection Name	Connection Details	Name Alloantiboo	ody Exchange Color
Admin	sys@//localhost:	Database Tune	
Alloantibody Exc	. AlloantibodyExch	Database Type	Urade •
		User Info Pro	roxy User
		Authentication T	Type Default 💌
		Username Alloa	oantibodyExchange Role default 💌
		Password ••••	Save Password
		Connection Type	Basic 💌
		Details Adva	anced
		Hostname	localhost
		Port	1521
		Service name	ne XEPDB1
		<ul> <li>Service name</li> </ul>	NEPDB1
		<ul> <li>Service name</li> </ul>	NEPDB1
itatus : Success		<ul> <li>Service name</li> </ul>	NEPDB1

# 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;



2. Allow password logins. Server > Properties

Select a page			
🖋 General	L Script ▼ 😲 Help		
Memory     Memory     Processors     Security     Connections     Database Settings     Advanced     Permissions	Server authentication O Windows Authentication mode  SQL Server and Windows Authentication mode Login auditing None		
	Failed loging only		
	<ul> <li>Both failed and successful logins</li> </ul>		
	Server proxy account		
	Enable server proxy account		
	Proxy account:		
Connection	Password ·····		
Server: DESKTOP-2RRICO2	Options		
Connection: DESKTOP-2RRICO2\ronal			
View connection properties			
	Cross database ownership chaining		
Progress			
Ready			

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".

Services								
File Action View	Help							
(+ +) 📰 🔯	Q 🕞 🛛 📷 🕨 🔳 🕪 🕨							
Services (Local)	Services (Local)	-						
	SQL Server (MSSQLSERVER)		Name ^ E		Description		Startup Type	Log On As
	Stop the service	Spatial Data Service Spot Verifier		This service Verifies pote			Manual Manual (Trig	Local Service Local Syste
	Restart the service	SQL Server (M	SSOL SERVER)	Provides	sto	Running	Automatic	NT Service
	Description: Provides storage, processing and	SQL Server	Start Stop Pause	5	jo SQ vice	Running	Manual Disabled Automatic	NT Service Local Service NT Service
	controlled access of data, and rapid transaction processing.	SQL Server	Resume Restart		th	Running Running	Automatic Automatic	NT Service Local Syste
		SSDP Disco	All Tasks Refresh	>	s n re	Running Running	Manual Manual Manual	Local Service Local Syste
		Storage Ser	Properties		en	Running	Automatic (	Local Syste
		Storage Tie	Help		ize	Running	Manual Automatic	Local Syste Local Syste



The setup program is available for download online. Login at <u>alloantibody.org</u>.



Download the highlighted installation file.

	Site Info Project Plan Documents
Ch	oose a document
	Alloantibody Exchange Overview
	IT Request (SBAR Template)
	lT Request (Email Template)
	Site Info (Offline)
	Data Flow
	Data Elements
	Security: SOC 2 - Type 2 - Engagement Letter
	Security: OWASP - Web Application Security
	Security: Microsoft Azure Defender for Cloud Report
	Security: Penetration Test
	Security: HIPAA Review
	Security: Certificate of Insurance
	Security: HIPAA Security Risk Assessment Tool
	Software for Implementation
	Software Installation Instructions
	Service Agreement
	Business Associate Agreement (BAA)



🚏 Alloantibody\_Exchange\_-\_ETL\_Setup.msi

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





# Click through these screens.





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".





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.

Alloantibody Exchange	
Conviored pasto the code provided to you	
	_
DE/DITIL-D9DA-4AE/-9696-LD6FD12863/3	
Submit Got it. Go to the next page.	
Bravious	
Previous Next	

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.

) Alloantibody Exchange
Enter the connection string to your blood bank database.
$\label{eq:product} P=serviceAccountAlloantibodyExchange; Password='340 \\ \$Uuxwp7Mcxo7Khy'; Encrypt=True; TrustServerCertificate=True; True; TrustServerCertificate=True; True; TrustServerCertificate=True; True; TrustServerCertificate=True; True; TrustServerCertificate=True; True; TrueServerCertificate=True; True; TrueServerCertificate=True; TrueServerCertificate=True$
Test Connection Success. Go to the next page.
( Previous ) ( Next )

Alloantibody Exchange	×
Testing Alloantibody Exhange Connections. √ Read from server. √ Write to server.	
Performing Task Scheduler Setup. √ Setup complete.	
All set. Click finished.	
Previous Finished.	J