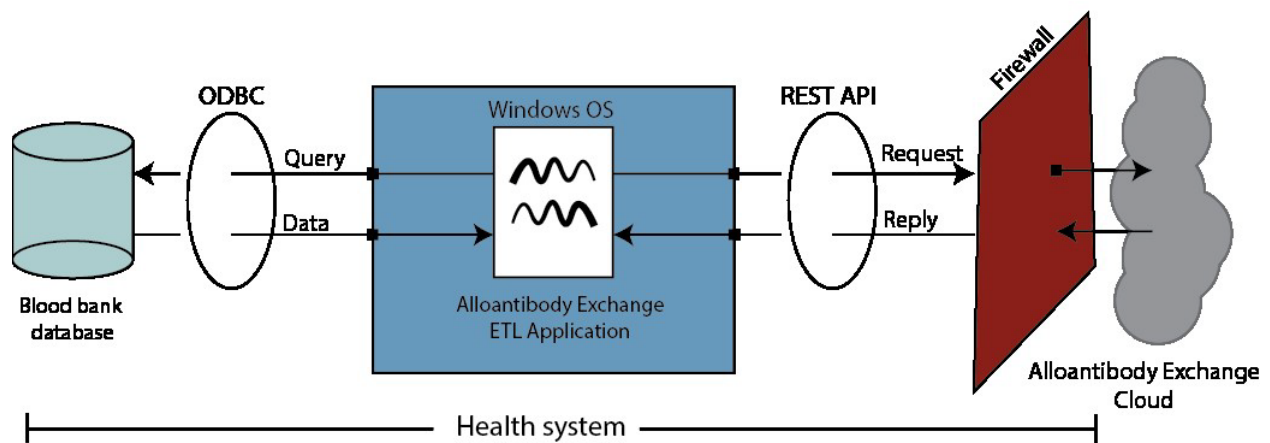


# Alloantibody Exchange Data Flow



## Overview

The Alloantibody Exchange ETL Application (middle) submits blood bank data from the site (left) to the Alloantibody Exchange Cloud (right).

- [Left] The blood bank database will vary by vendor (e.g., Cerner uses Oracle. WellSky uses Microsoft). It may not be the same vendor as the EHR (e.g., Epic).
- [Middle] The health system will host the Alloantibody Exchange ETL Application within a Windows environment. (For healthcare systems with a Microsoft Enterprise license, there is no cost with setting up a Windows VM.) The Alloantibody Exchange will provide the application, which runs once daily during off hours.
- [Right] The REST API uses HTTPS encryption (port 443) with OpenID Connect (authentication) /OAuth2.0 (authorization).

→For setup instructions see “Alloantibody Exchange ETL Application Setup”. This is available at <https://alloantibody> > Login > Documents. Email [george.hauser@alloantibody.org](mailto:george.hauser@alloantibody.org) with questions.

## IP Addresses for Firewall

Virtual IP address of Alloantibody Exchange’s Microsoft Azure endpoint	20.49.104.46
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## Zscaler Exemptions

If your facility uses Zscaler and the Alloantibody Exchange has implemented a conditional access policy to bypass MFA based on the IP address, the following federated login endpoints require an exemption. Exemptions can be specified in the Zscaler PAC (proxy autoconfiguration) file that applies to all Zscaler clients who belong to your domain. Once exempt, the IP address will reflect the health system rather than Zscaler.

login.microsoftonline.com	login.msauth.net	login.live.com
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