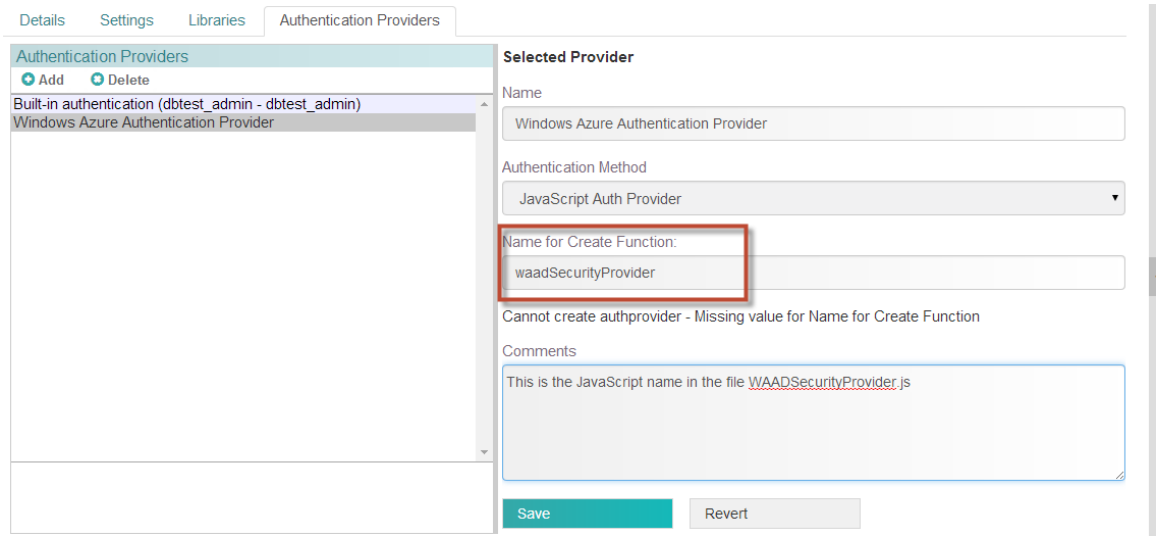
Windows Azure Active Directory

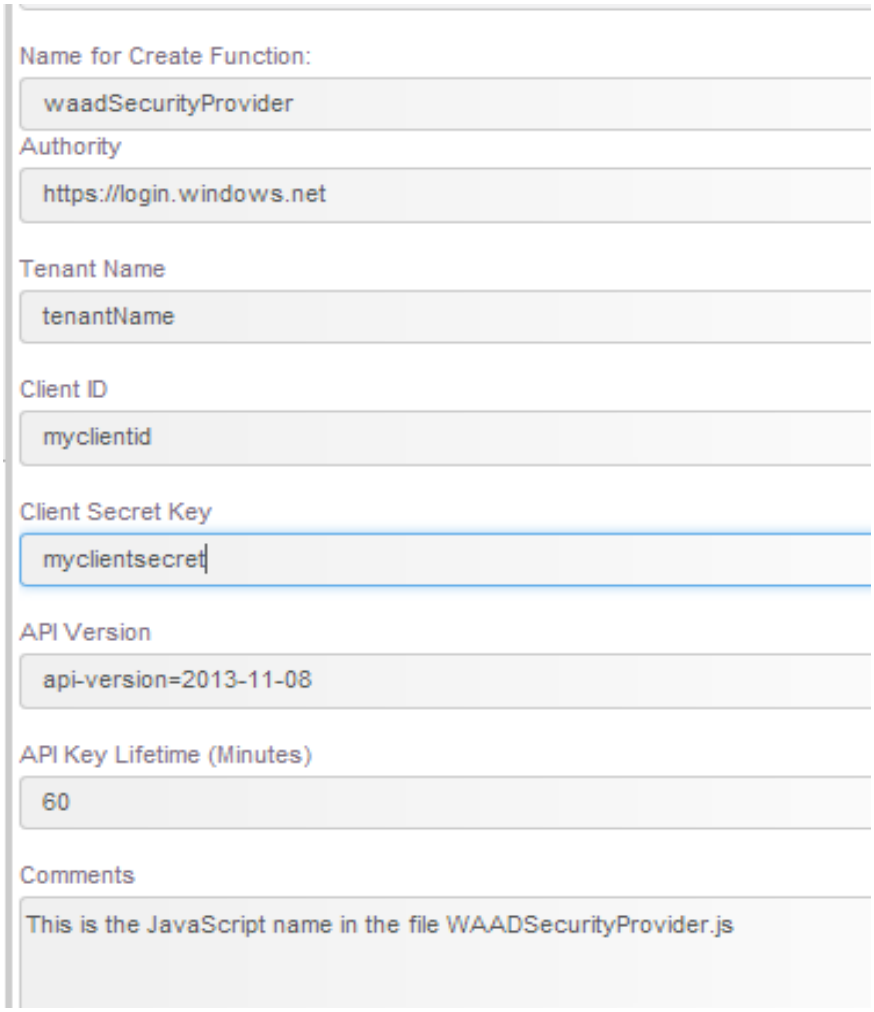
Overview

Espresso Logic offers Window Azure Developers the ability to use Azure Active Directory (WAAD) as part of the authentication service for Espresso applications. This service delegates the responsibility to WAAD for user identity and authentication. This means that the login service itself can also be handled by WAAD for multi-factor authentication and identity protection. The authentication service will detect the existence of an existing WAAD user and renegotiate a new access token if necessary. In turn, Espresso Logic will issue a temporary API Key to the requesting application and handle all the internal synchronization.

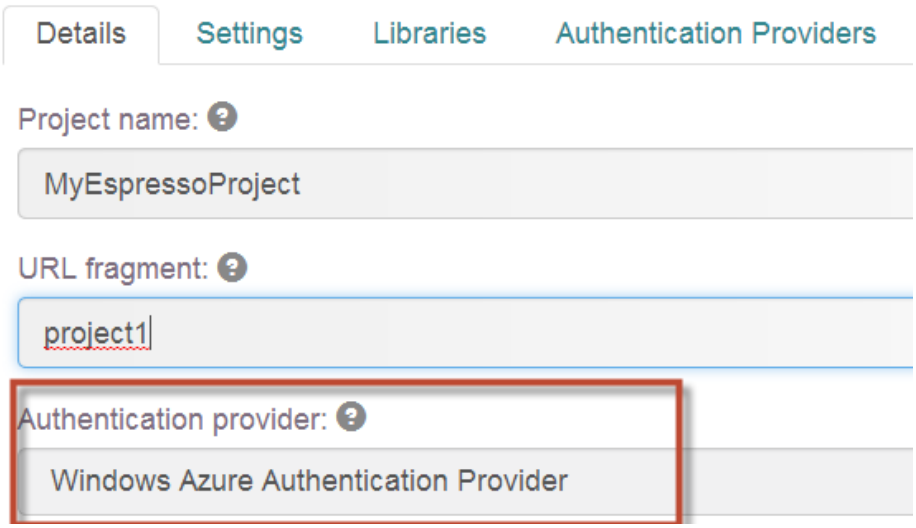
Getting Started

The actual authentication service can be found on GitHub. The first step is to build the Azure Java Library (adal4j-0.0.1-SNAPSHOT.jar) and upload this to your Espresso Logic Project (under Authentication Service and Library) along with the JavaScript WAADSecurityProvider.js. Once these parts are in place you will be able to add your the new authentication service for Windows Azure Active Directory. (Authentication Provider tab on the Projects Menu)



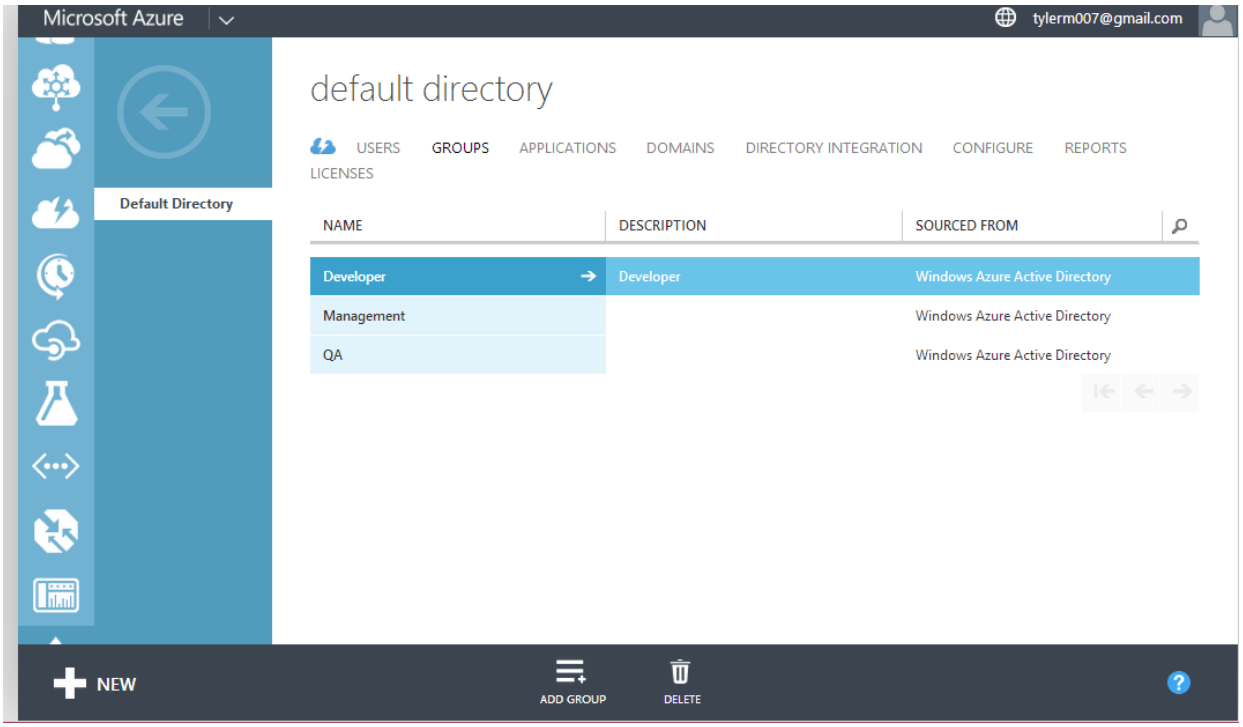


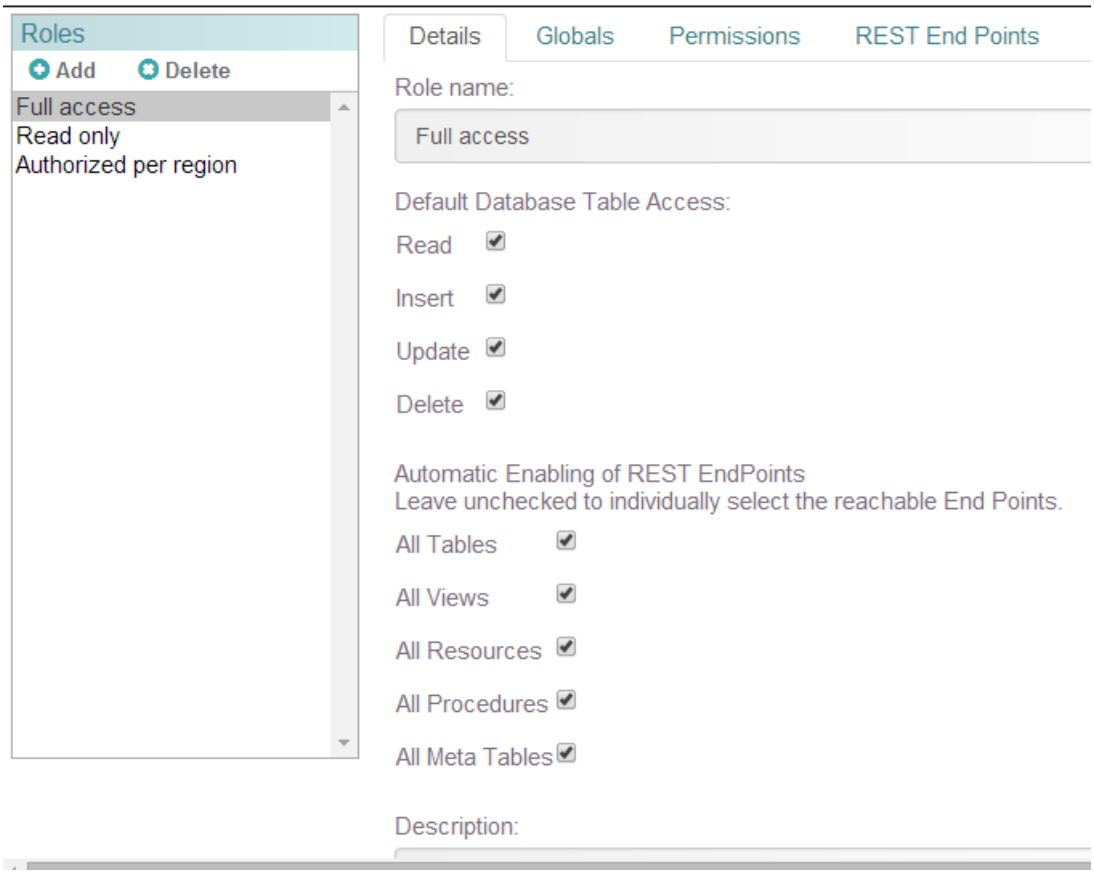
Once the correct create function name is entered - the new internal fields will appear (above) which are used to connect to your WAAD account. Remember, these are server side values and will not be accessible to anyone without admin access to the Logic Design Studio. Now go back to the Details tab and select the new authentication service.



Azure AD Setup

Once you have created your Azure account, you will need to setup users and defined groups (below). These group names must match the role names in Espresso Logic to define access rights to your REST API endpoints. Only the matching roles will be used for security access.





Testing

If everything is working correctly - when you attempt to logon to your account you should be directed to a Microsoft logon window using a WAAD account- you will need to pass a redirect url as part of the authentication to let WAAD know where to send the successful logon.

See Espresso Logic documentation for details on authentication and API Keys.