Cognito SSO Plugin for BridgeLink

User Manual

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1 Introduction

The Cognito Single Sign On (SSO) plugin allows BridgeLink administrators to authenticate users through credentials stored in Amazon Cognito. This enables organizations to use the same credentials across multiple BridgeLink instances, centralizing user management in a single identity provider.

1.1 Why SSO?

Managing different user credentials across multiple environments can become a maintenance challenge and a security risk. Centralizing credential management in Amazon Cognito reduces user maintenance overhead and strengthens your security posture.

1.2 Key Features

Feature	Description
Settings Panel	A user interface included with the plugin to configure your Cognito User Pool information.
Fallback to Local Authentication	If desired, users can enable local authentication as a fallback when Cognito authentication fails.

2 Getting Started

Before proceeding, review the installation prerequisites and verify compatibility with your existing BridgeLink setup. The sections that follow will walk you through configuration, usage, and best practices for the Cognito SSO plugin.

3 Installation

If you are using BridgeLink packaged by Innovar Healthcare from the AWS Marketplace, the plugin is pre-installed on "Advanced with SSL" and "Advanced with SSL Autoscaling" editions.

If you need to reinstall or update the plugin, follow these steps:

1. Log into BridgeLink and click **Extensions** in the top menu.
2. At the bottom of the Extensions screen, click **Browse**.
3. Locate and select the plugin ZIP file on your local machine, then click Open.
4. Click **Install** to upload the file.
5. Restart the BridgeLink service to complete the installation.

4 Configuration

In the BridgeLink Administrator, navigate to **Settings > Cognito**. The following settings are available:

Setting	Description
Enable Cognito	Select Yes/No to enable or disable Cognito Authentication.
Fallback to Local Auth	Select Yes to use local user credentials if Cognito Authentication fails.
Test Connection	Click to validate your Cognito settings.
User Pool ID	Enter the User Pool ID (required).
Cognito Application ID	Enter the Client ID of the App Client for the user pool.
AWS Region	Select the region for your Cognito User Pool.
AWS Access ID / Key (optional)	Optionally provide access credentials. Role-based permissions are recommended instead.

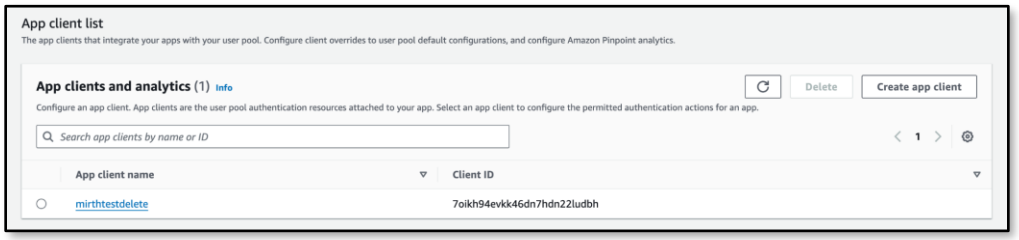

Figure 1: *AWS Cognito App client list showing the Client ID*

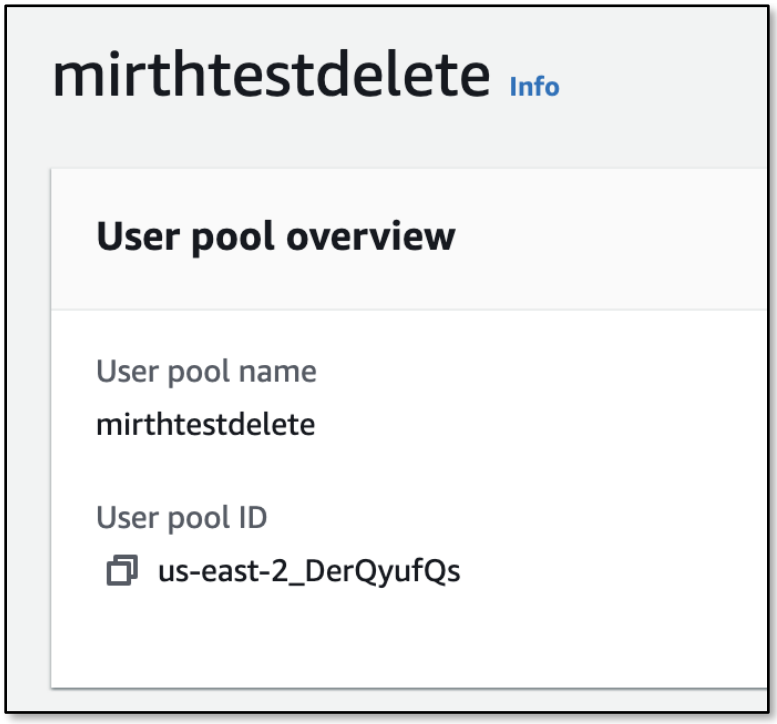

Figure 2: *Cognito User Pool overview showing the User Pool ID*

5 Cognito User Pool Setup

Follow these steps to create a user pool in Cognito using the AWS Console:

1. Login to your AWS Console.
2. Search for Cognito in the search bar and open the service.
3. Click User Pools on the left navigation bar.
4. Click Create user pool.
5. Do not check "Federated identity providers".
6. Check User name under "Cognito user pool sign-in options". Click Next.
7. Select your password policy as needed.
8. Under Multi-factor authentication, select "No MFA".
9. Under User account recovery, uncheck "Enable self-service account recovery".
10. Under Self-service sign-up, uncheck "enable self-registration".
11. Under Cognito-assisted verification, uncheck "Allow Cognito to automatically send messages to verify and confirm".
12. Select required attributes as needed.
13. Enter a User pool name.
14. Under initial app client, select "public client" and enter an app client name.
15. Select "don't generate a client secret".
16. Under Authentication flows, select "ALLOW_USER_PASSWORD_AUTH" and "ALLOW_USER_SRP_AUTH".
17. Click Next, then click Create user pool.
18. Note the User Pool ID and App Client ID. The App Client ID can be found on the App integration tab under the Client ID column.

6 EC2 Role Permissions

Below is an example IAM permission statement for the EC2 role to allow access to Cognito. Replace <UserPoolID> with your specific user pool ID, or use a wildcard for all Cognito resources.

> **Important:** It is recommended to use role-based permissions rather than storing AWS Access ID and Key directly in BridgeLink.

7 Document Control

Revision History:

Version	Date	Author	Description
1.0.0	April 22, 2026	Calvin Redding	Initial release

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