Login Audit Application Documentation

Installation

1. Ensure that you are running Appian 23.3 or above
2. Run the SQL script LA_SETUP.sql
3. Ensure the following plugins are installed in your environment:
   - Log Reader
   - People Functions
4. In Login Audit.properties, set:
   - LA_BOOL_SEND_REMINDER_EMAIL equal to TRUE to enable email reminders to inactive users. Otherwise set FALSE
   - LA_TXT_LOGIN_URL as the url for the login page for your environment
   - LA_TXT_SYSTEM_NAME as your system name
   - LA_TXT_REMINDER_EMAIL_ADDRESS as the desired email sender address
   - LA_TXT_REMINDER_EMAIL_DISPLAY_NAME to the desired sender display name
   - LA_TXT_SERVERS as environment servers (if multiple, separate using semicolons)
5. Import Login Audit.zip in the Appian Designer including the properties file
6. Add yourself and any other administrators to the group LA Administrators. Add any application viewers to the group LA Viewers
7. Run the process model LA Create Users Utility by opening the process model and clicking File → Start Process for Debugging

Using the Login Audit Application

User Login Dashboard

The user login dashboard displays information about user activity in the last 30 days. The Daily Logins grid displays users who have logged in today (this displays only for users who are System Administrators and/or Designers). The Past Logins grid displays every user's most recent login. This updates nightly and can be manually updated for all viewers by forcing a sync in the interface.

The "Deactivations" section displays information about user deactivations. "Pending Deactivations" displays upcoming deactivations that will occur if the user does not log in before the specified date. "Past Deactivations" shows users whose accounts have been deactivated via this process.

Automated Deactivations

The application contains a nightly batch process that sends reminder emails to users in the environment that have not logged in for 30 or more days. This email is sent only once. This is intended for use alongside the Admin Console setting that deactivates a user's account after 35 days of inactivity. This can be accessed from Admin Console → Authentication → Appian → Account Locking → Deactivate Users Who Have Not Logged In Recently.

This process can be turned on and off by changing the value of the constant LA_BOOL_SEND_REMINDER_EMAIL. The time periods can also be adjusted by changing Admin Console settings and updating the constants LA_INT_DAYS_INACTIVE and LA_INT_DAYS_UNTIL_DEACTIVATION.

Get Last User Login

The expression LA_getPreviousLogin() returns a logged in user's most recent login prior to the current session. This timestamp will refresh for a given user when the process LA Write Recent Logins, which takes a username as input, runs. The process can be kicked off from an interface using a Start Process Link. The Get Last Login page is an example for designers of this functionality which can be embedded into an application.

Technical Details

The application uses the Log Reader plugin to retrieve data from the login-audit log. A variety of user actions, including a user initiating a "Manual Sync" or kicking off the LA Write Recent Logins process model from an interface, initiate a process in which the system parses this data to update tables storing recent logins for users in the system. Tables are automatically updated each night using a nightly batch process.