Google reCAPTCHA Integration for CA Single Sign-On

What It Does

Growing security threats due to automated software attacks led to the evolution of CAPTCHA (Completely Automated Public Turing Test to Tell Computers and Humans Apart). Integration of Google reCAPCHA with CA Single Sign-On helps prevent automated software attacks by using a CAPTCHA, while letting valid users pass through with ease.

This solution enhances CA Single Sign-On capabilities by providing a CAPTCHA validation feature set, which can be used in conjunction with existing CA Single Sign-On implementations to provide an additional layer of security.

Benefits That Deliver Value

Google reCAPTCHA Integration for CA Single Sign-On:

- Assists in the prevention of automated software attacks.
- Provides an additional layer of security by ensuring that CAPTCHA cannot be bypassed within the context of the authentication event.
- Eliminates the need to run costly image generation programs since reCAPTCHA is a web service hosted by Google.

How It Works

The packaged work product has two methods of deployment and is designed to achieve one of the following use cases:

A. The PWP is deployed as an authentication scheme for the CA Single Sign-On solution based on HTML forms templates which are used to collect credentials for validation against both the Google reCAPTCHA service and the Single Sign-On authentication server. The authentication scheme leverages a servlet to communicate with Google's reCAPTCHA service and ensure that both the reCAPTCHA response and the user's credentials are valid before allowing the user to proceed.

B. The PWP works in 'Step Up' or 'Serial' authentication mode while the system is configured to leverage another forms-based authentication scheme. The Google authentication scheme leverages a servlet to communicate with Google's reCAPTCHA service and ensure that the reCAPTCHA response is valid. Once both the forms-based authentication and reCAPTCHA validation are successful the user is allowed to proceed.

Technical Prerequisites

A list of technical prerequisites for this packaged work product can be found at **CA Support online**. This is a central repository that will help you identify CA Technologies product compatibility with operating systems, other third-party software products, as well as with certification standards and regulations. **Contact** your CA Services representative for further assistance with purchasing this component.