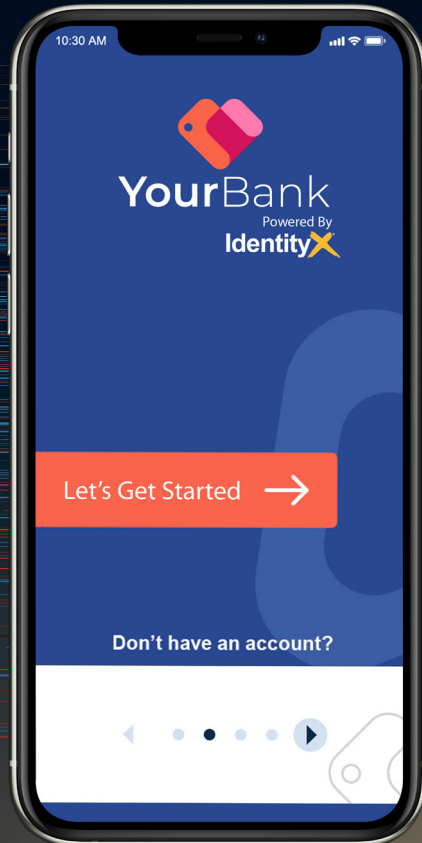




Silent Authenticator Technology Overview



The Silent Authenticator is a FIDO-like way of authenticating a device using a public/private keypair with no user interaction.

This is typically used as a way to perform an **up-front device binding check** to ensure the device currently being communicated with is the exact same device which was originally registered.

The Silent Authenticator requires no user interaction, and an end user will be unaware it is authenticating, hence the name "Silent."

Registration

At the time the Silent Authenticator is registered on a device, a **public/private keypair** is generated, the private key is stored securely on the device, and the public key is sent to IdentityX.

This Silent Authenticator registration can also take place without any user interaction/awareness.



Authentication

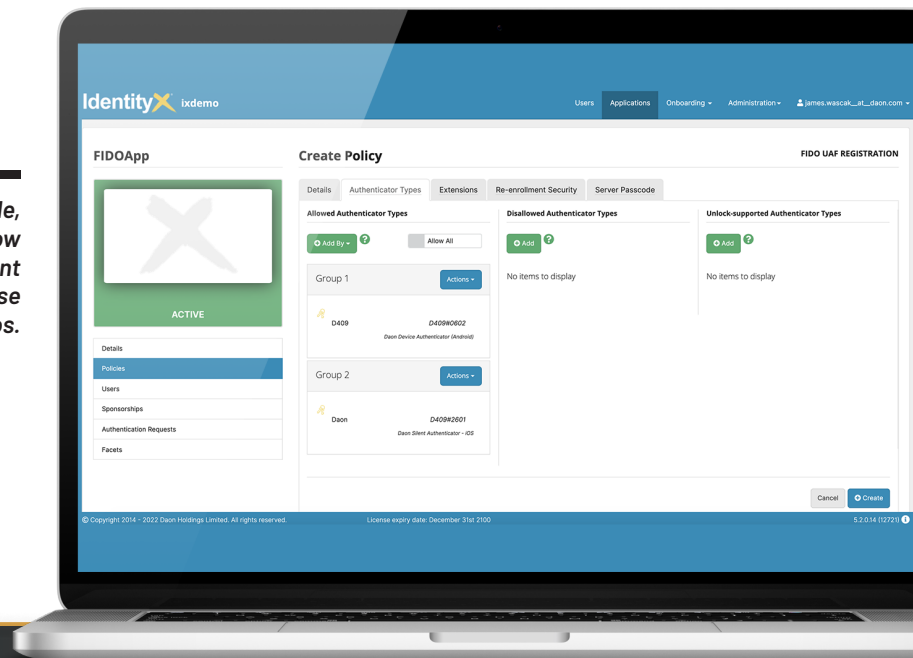
At the time of authentication (typically on mobile app startup), the private key on the device signs a challenge and sends this payload to IdentityX to **verify the device binding**.

The payload which is transmitted is small, and the entire Silent Authentication process can **complete in milliseconds**, so it does not degrade the end-user experience.

As part of this Silent Authentication step, **additional information** can be automatically collected by Daon which can give further confidence into the security of the device. Items like GPS coordinates, determining if a device is rooted/jailbroken, determining if a mobile app is running in Debug mode, etc., can all optionally be collected and transmitted to IdentityX.

Using this information, you can make a decision as to what level of additional authentication (if any) is necessary to proceed (such as biometric authentication or username/password), or whether the **risk indicators from a device** warrant a more involved authentication.

*In your admin console,
create policies to allow
or disallow the silent
authenticator in precise
scenarios.*



[Click to read more about the IdentityX Platform](#)