Authentication digital certificate solution for mobiles

Problem Statement

Many web sites, particularly government sites, require a digital certificate for authentication. These digital certificates are in the Android device's Certificate Store (soft certs) or stored on a smart card (hard certs) and are verified using a chain of trust. The trust anchor for the digital certificate is the Root Certificate Authority. Most secure web sites that require digital certificates for authentication will refuse access if it cannot verify the Chain of Trust of a digital certificate.

Solution

Builds Certificate Trust Chain, presents it in a multi-layer tree view on Android and iOS. Third party apps can send a request to app with a user certificate. It builds the certificate trust chain and returns built certificate chain to the 3rd party caller app.

Technical Details

Java, objectiveC, C, openSSL, Curl