

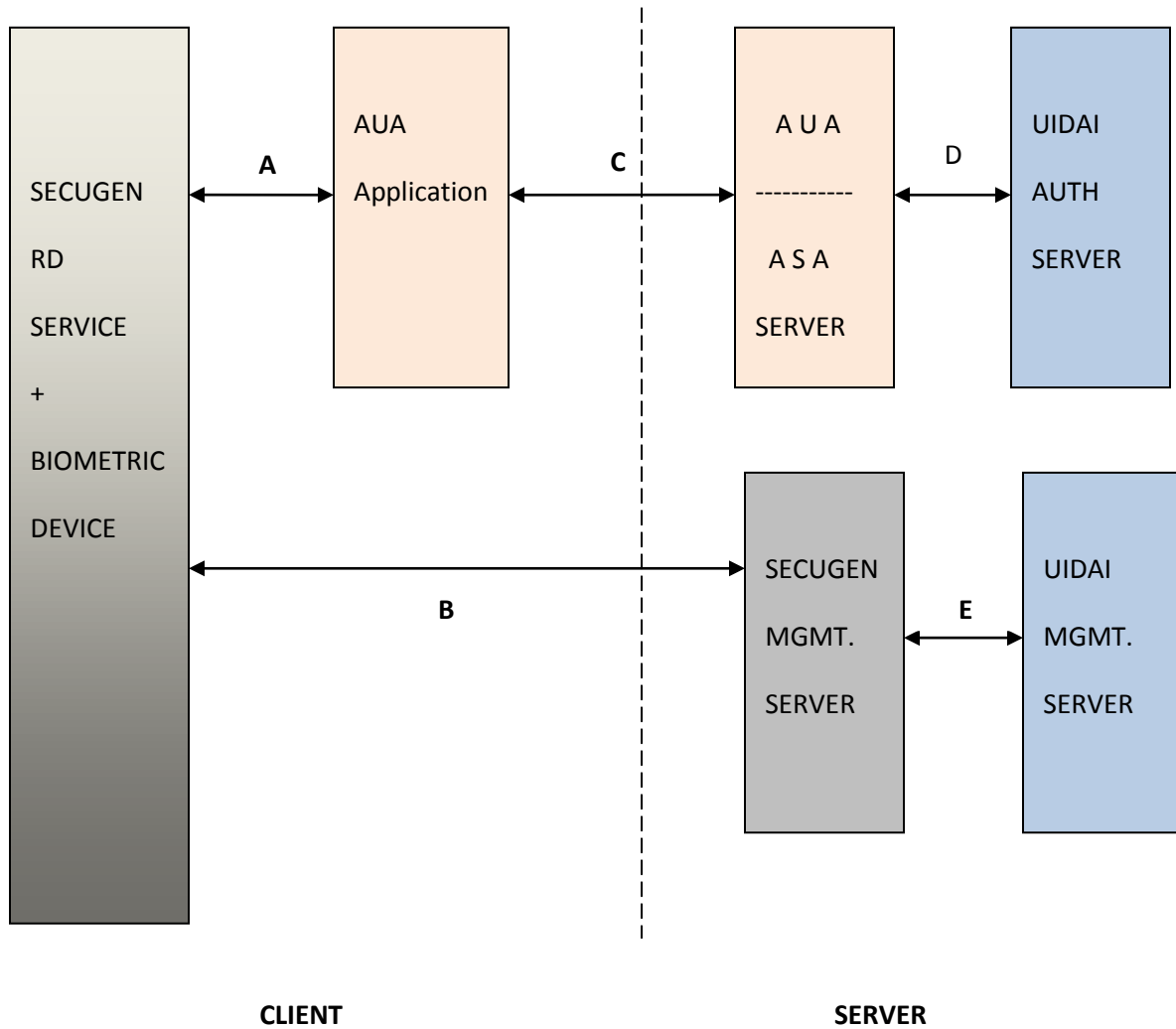
SecuGen Registered Device Service and Management Server

High Level Overview

Version 1.1

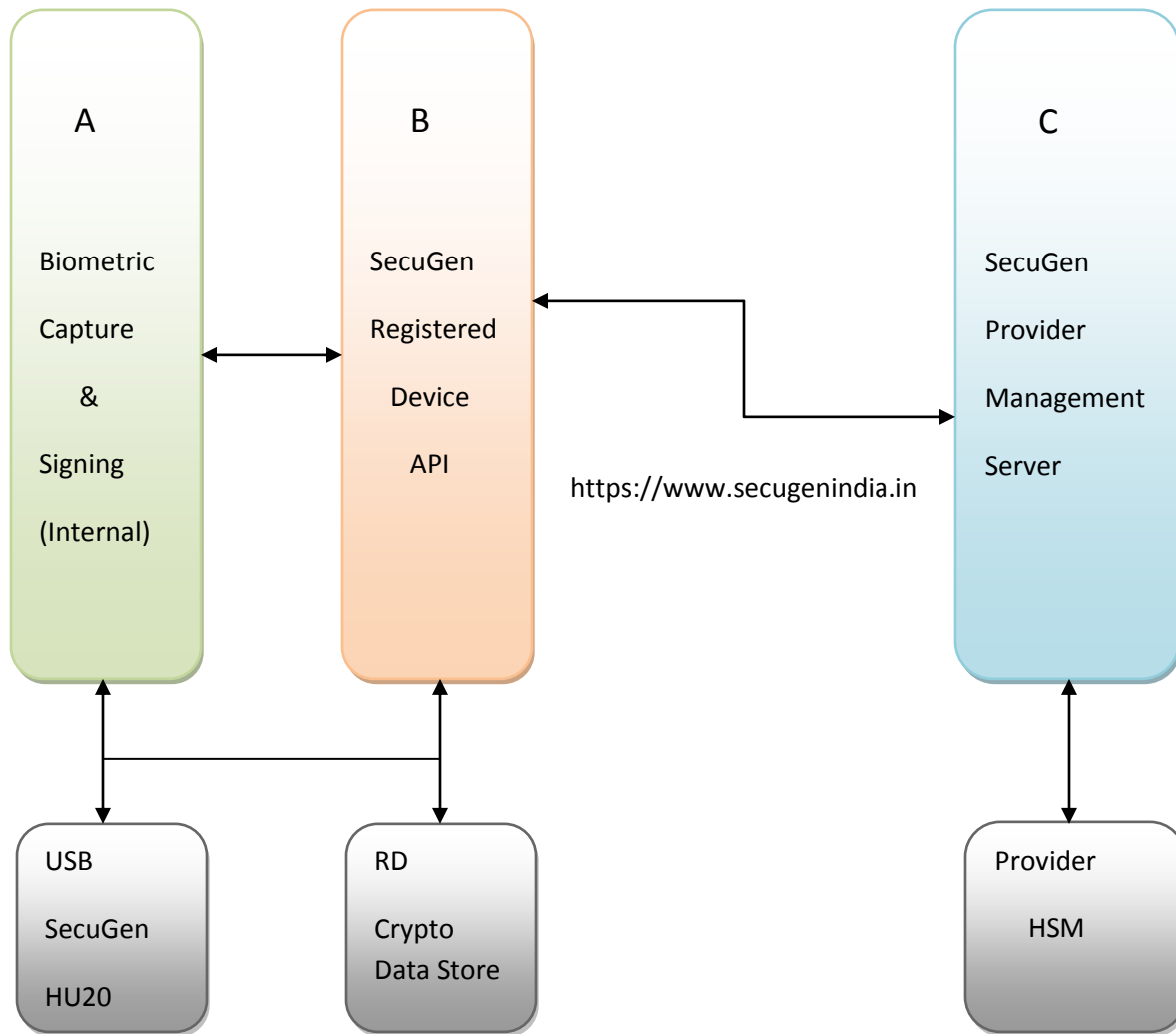
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SecuGen Registered Device - High Level Overview



High level diagram showing flow between RD Service, AUA and UIDAI CIDR

SecuGen Registered Device - High Level Overview



A: RD Service API (TCP ports 11100 - 11120 on Windows / Intents on Android)

B: RD Service Core (Biometric capture and sign functionality)

C: Provider Management Server accessed over HTTPS (port 443)

SecuGen RD Service and Management Server - High Level Architecture Diagram

SecuGen Registered Device - High Level Overview

Functions of the Registered Device Service

- ✓ Provide a standard API for the AUA application to call
- ✓ Register a device via the Provider Management Server.
- ✓ Install updates via the Provider Management Server.
- ✓ Generate device key pairs and get device certificate issued via the Provider Management Server.
- ✓ Capture one or more instances of user biometric data.
- ✓ Sign the biometric data using the device private key.
- ✓ Generate the elements of the Auth XML such as Skey, Hmac and Data
- ✓ Binds on 'localhost' (127.0.0.1) on any port between 11100 and 11120

Functions of the Provider Management Server

- ✓ Register devices on the UIDAI server on behalf of the AUA
- ✓ Sign and issue device certificates based on key data sent from the device.
- ✓ Manage updates for the registered device service.
- ✓ Miscellaneous services for regular registered device operations.
- ✓ Binds on www.secugenindia.in port 443 (https)