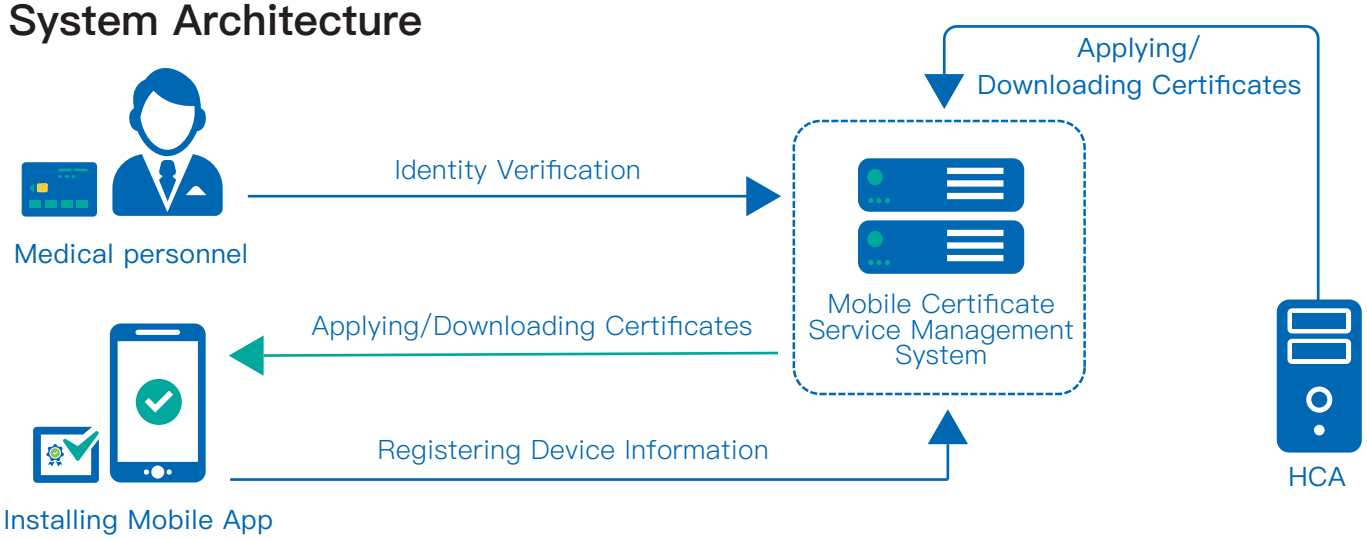
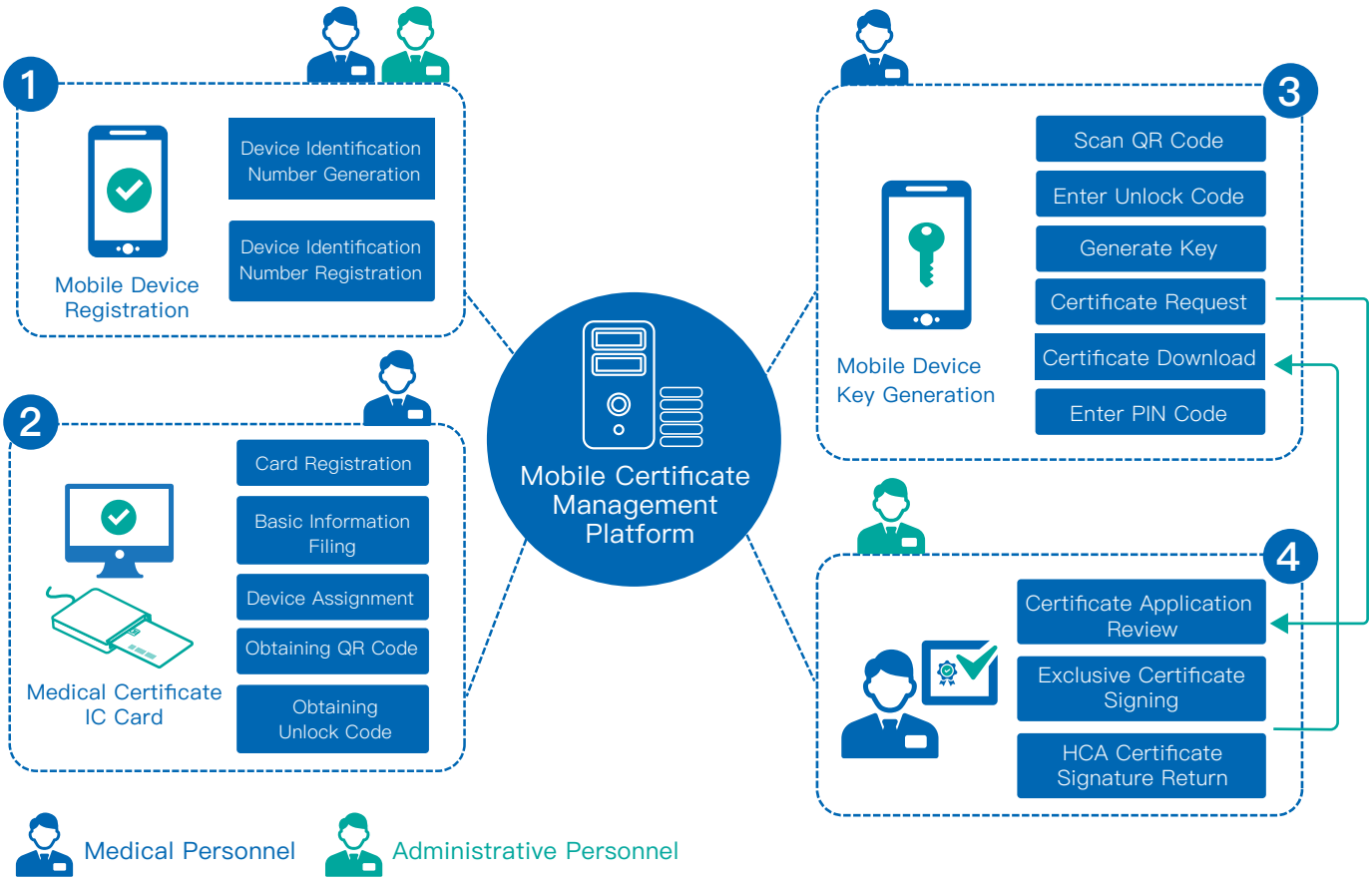
MCS Mobile Certificate Service Management System

Medical personnel can sign electronic medical records anytime and anywhere through mobile devices, significantly saving valu–able time and improving overall medical efficiency and safety. The relevant operation records of mobile certificates will be kept in the system database to ensure the integrity of electronic medical records and ensure that the hospital complies with the operating regulations of the Ministry of Health and Welfare.

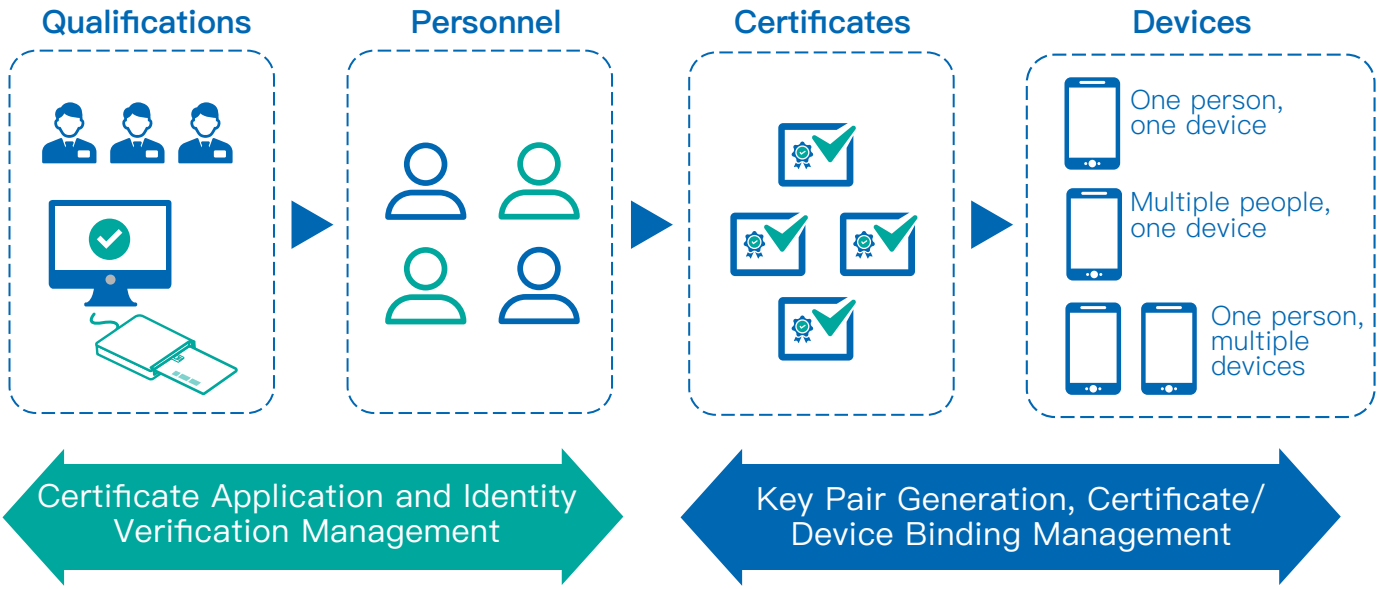
System Architecture



Certificate Application Process

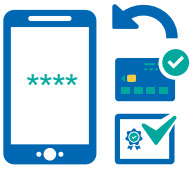


The Scope of Medical Personnel's Mobile Certificate Management

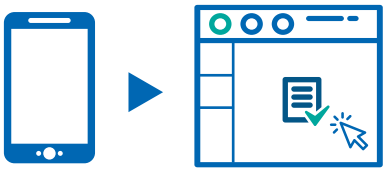


Application Examples

1 User Self-Download and Install Mobile App



2 Pre-configured Certificate/ Password Information

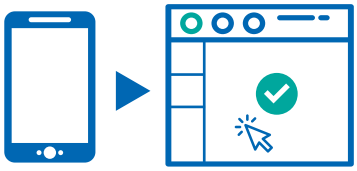


3 3-1 User links to the application system using the built-in browser on the mobile device.

3-2 When approval is required on the application system, press the signature button.

4 4-1 Browser calls Mobile App and sends plaintext and related information.

4-2 After signing, MobileApp calls the application system and sends signature-related information.



5 The application system updates the result to the user's mobile device.

- Follow the HCA Certificate Practices Statement (CPS) operating procedures.
- Comply with the HCA Mobile Device Certificate Management Specification.
- Provide functionalities for mobile device management, applicant identity verification, administrator review, secure key design, certificate application/ signing app, etc.
- Support application, query, and revocation operations for mobile device certificates, with complete audit trail retention.
- The interface for medical personnel applications supports IE/EDGE/-Chrome/Firefox and other cross-browser compatibility. The app secures stored keys with encryption technology.
- The app offers API interfaces for integration with web pages or native apps.
- Support scenarios such as multiple users sharing one mobile device, one person having multiple mobile devices, or one person having one mobile device.
- Personal data is protected through pseudonymization to prevent data leakage.
- Encryption of the transmission channel ensures trustworthiness and connection security.
- Support for RSA 2048/4096 and AES 256 algorithms.
- System compatibility includes Windows Server 2008/2012/2016, Linux, AIX, etc.
- The app supports iOS 12 (and above) and Android 8 (and above).

CHANGING

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