

EMV Certificate Authority

EMV Certificate Authority is a root certification authority for local payment card projects, without interactions with international systems like VISA and MasterCard.

EMV CA allows banks or other financial institutions to build a dedicated in-house PKI environment. It enables encryption, digital signature, and certificate authentication capabilities to be applied to a broad range of applications and platforms. X Infotech EMV CA provides the capabilities of a traditional Certification Authority (CA) with its key and certificate management services, including encryption and digital signature capabilities. It generates and protects private keys via the use of FIPS 140-2 level 2/3 cryptographic devices (HSM), providing the highest protection for such highly-sensitive objects as root certificates.

With EMV CA, our clients can sign EMV certificate requests and start issuing local payment cards, without addressing international payment organizations. It reduces license expenses and overall project costs.

FUNCTIONALITY

- Provides generation and storing of self-signed Root Certificates in a highly-secure environment, using FIPS140-2 level 2/3 hardware cryptographic devices.
- Supports certificate requests formatted according to Visa and MasterCard specifications.
- Provides integration with the Key Management System, as well as with other third-party Key Management Systems.
- Enables secure auditing of all actions carried out in the system. Users can monitor keys and certificate status information and immediately receive reports.

BENEFITS

- Opportunity for the client to build a dedicated in-house environment and issue local payment cards.
- External certification is not needed.
- Reduced license and overall project costs.
- Possibility to provide local root CA service for other EMV issuers.