

emCA – eMudhra Certifying Authority Lifecycle Manager

Create your own trusted enterprise network of users, devices, applications and things!

As your Enterprise crosses the Digital chasm and adopts Cloud, Mobility, how do you ensure that your digital assets are protected and your customers data is protected. Adopt the power of eMudhra PKI suite of solutions that use digital certificates to create a secure digital identity and transaction management platform!

emCA powers eMudhra's Certifying Authority operations in India and Mauritius which issue over 12 million end user Certificates yearly (3x global volume of SSL's issued).

eMudhra's solutions are trusted by several large Banks, Government, Financial Institutions globally who use Digital Signatures to put advanced security for their physical, mobile, logical access to applications.

emCA addresses the need of the hour – mitigating risk for enterprise and it's end users while keeping it simple

Deploying PKI is Simple

With customers, employees, suppliers accessing applications across web, desktop, mobile and cloud; Enterprises have to constantly worry about newer threat dimensions. emCA allows for a quick deployment of both On-Premise and Managed PKI to ensure your threats are mitigated

Bring all your signing and encryption needs under one roof

Flexibility of PKI allows for both signing and encryption of data in a media-neutral manner to ensure non-tampering and confidentiality. Complexity is managed by design while ensuring ease of use for end users

Username/Passwords as passé

Ensure integrity and legal-non-repudiation using PKI – The basis of legal non-repudiation for online transactions is dependent on integrity, confidentiality and traceability of transactions to a strong identity. The architecture of PKI ensures the above thereby providing legal validity and non-repudiation to online transactions

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Product Benefits

- On premise / Cloud Deployment as Managed PKI
- Cost effective deployment
- Comprehensive Certificate Lifecycle Management
- Elliptic Key Cryptography Support
- Mobility enabled for leveraging mobile certificate options
- Platform agnostic – deployed across Solaris/Window server/Red Hat Enterprise/Linux/AI
- API's for easy provisioning of Certificates

Key Features

- Highly Scalable
- Provides keys and certificates for software such as browsers, and Web servers, for tokens, devices, things etc
- Support for Key Archiving and Recovery
- Certificates generated by emCA comply with global
- Digital Signature Certificate Standards - X.509 v3 standards
- Integrating with Leading HSM manufacturers – Thales/Safenet
- M out of N access control mechanism
- Digital signature based authentication for Login Authentication
- OCSP/CRL Module
- Timestamping Module
- RA/CA Module

Whether your Enterprise is deploying a new Certifying Authority or migrating from an existing solution, emCA can seamlessly handle your Certifying Authority operations with a host of features that will help you scale your trusted network as it grows.

emAS offers a holistic deployment of a trusted PKI network for your Enterprise

Integration of Physical/Logical/Cloud and Mobile Access through PKI

Plug-n-Play - Quick deployment of both On-Premise / Managed PKI

Multiple credentials under one single platform – A variety of strong authentication options allows users or administrators to ensure easy and seamless multifactor authentication based on risk profiling of users

RA/CA Module for Manual/Auto User Enrollment

IoT Ready

Integrations with emAS – Strong Authentication Platform – emAS, eMudhra Authentication Server can be integrated with emCA to ensure validation of digitally signed documents in accordance with key policies

emCA powers Identity Management Needs for Secure Digital Transformation

Device Certificates for even more security – Deploy device certificates on mobile devices for authentication of devices and signing of data for communication in a network and ensure no intrusion takes place

Certificate deployment on embedded devices -

eMudhra's R&D efforts have resulted in the ability to issue/manage digital signature certificates to embedded devices ("Things") and ensure your IoT network is safe and secure

Legal Non-Repudiation is driven by need for government licensed/accredited CA's - emCA powers eMudhra's eSign service which helps 1.2 billion Indian people digitally sign documents on the fly using their National ID

