



Understanding eMudhra's SSL Offerings

About eMudhra

eMudhra is a leading Certificate authority (Certificate Service Provider) in India and global trust service provider operating in the space of PKI, Secure Digital Transformation, and Trust Services. With over a decade of experience in the Trust Services industry, global offices, and marquee clients across the globe, eMudhra is not only trusted but also trustworthy and reliable provider to support your needs around digital trust enablement.

eMudhra has offices all across India and in Singapore, Malaysia, UAE, Netherlands, and USA with operations extending across 35 countries through a channel network. With strong support structures, quick turnaround times, and superior validation methodologies, customer happiness is at the forefront of our mind and initiatives.

eMudhra holds the Chairmanship of Asia PKI Consortium, membership in Cloud Signature Consortium, and is Webtrust accredited in addition to being licensed by the Controller of Certificate Authorities under the Ministry of IT, India. eMudhra is also ISO 27001/2 certified, CMMI Level 5 certified, ISO 9001 and ISO 20000 certified amongst other certifications related to quality, privacy, and security.

Certificate Types

Type	Sub-type	Description	Notes
TLS/SSL	DV	<i>Domain Validation – DV certificates are the simplest and quickest certificates to issue where ONLY the domain is validated (generally automated) prior to issuance.</i>	<i>Validation is done through sending a confirmation mail listed in the domain’s WHOIS record or provision of a verification file which owner must place on website to be protected.</i>
	OV	<i>Organization Validation – OV certificates require more validation than DV certificates thus providing a higher level of trust. This certificate profile will include the organization name linking the website to the organization.</i>	<i>Validation is done through a link to a government agency or a reliable data source in the organization’s jurisdiction of legal creation, existence, or recognition. For individuals, it requires a proof of address, government photo ID, and a photograph.</i>
	EV	<i>Extended Validation – EV Certificates provided the highest level of trust. The primary value addition of the EV certificate to OV is that the organization’s name will show up in the browser address bar in green.</i>	<i>Validation required a signed subscriber agreement form, EV Authorization form, and a legal proof (or DnB number) verifying the business entity.</i>
	Wildcard	<i>Wildcard – Wildcard certificates, unlike multi-domain certificates are issued to a single domain and cover an unlimited number of sub-domains within that domain.</i>	<i>Validation criteria will follow that of the type of certificate (OV/EV) for which the wildcard certificate will be issued.</i>
	Multi Domain (UCC)	<i>Multi Domain – Multi domain certificates exist for each of the above certificate type (except DV) whereby each certificate can secure multiple domains (up to 100 domains usually) within a single certificate.</i>	<i>Validation criteria will follow that of the type of certificate (OV/EV) for which the multi domain certificate will be issued. Multi-domain price generally covers up to 3 certificates with additional certificates subject to additional charge for each FQDN (fully qualified domain name).</i>

Code Signing	Code Signing	Code Signing certificates are used to sign software code to establish authenticity and trust of the software being published or stored. They are also a way of ensuring that the product itself has not been tampered with .	<p>In simple code signing, the certificate is stored in the user's workstation.</p> <p>Code Signing certificates display organization name, do not mandate timestamping but make it optional.</p>
	EV Code Signing	EV Code Signing Certificates are a higher assurance code signing service used to sign software code to establish authenticity and trust of the software being published or stored. They are also a way of ensuring that the product itself has not been tampered with.	<p>EV Code Signing certificates are stored externally of the user's workstation to prevent mis-use.</p> <p>EV Code Sign Certs show the company address and organization type as part of the certificate. Further, they mandatorily apply a time stamp and ensure that signature does not expire even if certificate does.</p>
Email Encryption (PAC)	Basic	Email Authentication Certificates help bring about a significant level of trust in email communications where the identity of the sender can be verified by the receiver and the email itself is typically encrypted in order to protect the communication.	<p>PAC supports following:</p> <ul style="list-style-type: none"> - Email encryption - Email signing - Client Authentication <p>To issue a Basic PAC, validation is done at the domain control level along with authentication of email address of the applicant.</p>
	Pro	Email Authentication Certificates help bring about a significant level of trust in email communications where the identity of the sender can be verified by the receiver and the email itself is typically encrypted in order to protect the communication.	<p>PAC supports following:</p> <ul style="list-style-type: none"> - Email encryption - Email signing - Client Authentication <p>To issue a Pro PAC, email address and name are validated in addition to domain validation and identity verification of the user.</p>
	Enterprise	Email Authentication Certificates help bring about a significant level of trust in email communications where the identity of the sender can be verified by the receiver and the email itself is typically encrypted in order to protect the communication.	<p>PAC supports following:</p> <ul style="list-style-type: none"> - Email encryption - Email signing - Client Authentication <p>To issue Enterprise PAC, email address, name, company name and address are all validated. In effect, this requires Domain, Identity, and Organization Validation.</p>

Document Signer	Individual	<i>Document Signer Certificates are used for the purpose of signing documents digitally and generally measured by the standard of Adobe trust. Individual Certificates are document signer certificates issued to individuals .</i>	<i>Document Signer Certificates trusted by Adobe can be issued to HSM or token ONLY except in certain countries where regulations specify otherwise.</i>
	Organization	<i>Document Signer Certificates are used for the purpose of signing documents digitally and generally measured by the standard of Adobe trust. Organization Certificates are document signer certificates issued to organizations.</i>	<i>Document Signer Certificates trusted by Adobe can be issued to HSM or token ONLY except in certain countries where regulations specify otherwise.</i>

Product Characteristics – Secure SSL

eMudhra's secure SSL offerings come with specific product characteristics summarized in the below table as a standard offering. For enterprise clients looking for specific characteristics in terms of higher warranty coverage, eMudhra can offer solutions on a case-to-case basis.

Type	Single Domain	Multi Domain	Wildcard
Warranty	DV/EV - \$10,000.00	DV – \$10,000.00	DV – \$10,000.00
	OV - \$50,000.00	EV – \$10,000.00 OV – \$50,000.00	OV – \$50,00.00
Validation Levels	DV,OV,EV	DV, OV, EV	DV, OV
2048 bit signatures/ 256 bit encryption	Yes	Yes	Yes
Unlimited Reissuance	Yes	Yes	Yes
Site Seal Type	Real-time verification of business credentials	Real-time verification of business credentials	Real-time verification of business credentials
Green Address Bar	EV Only	EV Only	N/A
Domain Coverage	Single domain	3 domains included Additional domains chargeable up to 100 domains	Unlimited number of sub-domains
Unlimited Server Licenses	Yes	Yes	Yes
Term Options	1 & 2 Years	1 & 2 Years	1 & 2 Years
	*3 & 4 Years case by case	*3 & 4 Years case by case	*3 & 4 Years case by case
99.9% Browser and mobile recognition	Yes	Yes	Yes

Summary

eMudhra is a player in the Trust Services Industry for over a decade with a reputed client and reseller base. With strong domain expertise, robust validation procedures, and optimal price points, eMudhra is adequately equipped to be your partner of choice to provide trust services to your customers, and even to sub-resellers which may operate under your organization.

About eMudhra:

Much like the name, which is an embodiment of the seal of authenticity in the electronic or digital world, eMudhra is a cyber security solutions company and a trust service provider that is focused on accelerating the world's transition to a secure integrated digital society. With presence in 5 continents and a global delivery center in Bengaluru, India, eMudhra is empowering secure digital transformation of over 45 global banks, several Fortune 100 customers and thousands of SMEs.



USA | India | Malaysia | UAE