

PRODUCT SHEET

Your secure web presence: SSL/TLS certificates

Boost trust for your customers and partners



Advantages at a glance

01

Secure

Highest level of security thanks to encrypted access

02

Promotes trust

SSL/TLS certificates provide proof of the identity of the communication partner

03

Visible

Higher ranking in search engines thanks to SSL/TLS encryption on websites

04

'Made in Germany'

Certificate products from Bundesdruckerei-Group's trust service provider

An SSL/TLS certificate assures the user that a real and trusted person or institution is behind an Internet presence. It warrants that the website operator has unambiguously proven its identity and that the sensitive data transmitted between the server and computer is encrypted.

D-Trust, a Bundesdruckerei-Group company and expert in secure identities, supports companies with SSL/TLS certificates that provide unambiguous proof of identity and guarantee highly secure Internet applications. Irrespective of the requirements or purpose of your website, D-Trust offers the entire range – from the basic SSL/TLS version to the implementation of the highest certificate standards. Make use of the latest signature algorithms and highly complex encryption methods in order to warrant truly trustworthy proof of identity and to actively protect your customers against bogus identities or phishing attacks.

Certificates provide certainty that a real and trusted person or institution is behind a website.

Applications

D-Trust SSL/TLS certificates are suitable for:

- Registered organizations and public agencies
- eCommerce, eGovernment and eBusiness applications with registered domain names
- Securing server-to-server or client-to-server data transmissions on the Internet, intranet or extranet using HTTPS combined with SSL/TLS, for example, for websites with registration or log-in functionality, payment portals, eCommerce software, for POP, SMTP, IMAP, etc.

Solutions for banks and fintechs

The second EU Payment Services Directive (PSD2) requires that banks open access to their customer account data to third-party providers, such as fintechs, if customers give their consent. For this purpose, eIDAS-compliant Qualified Website Authentication Certificates (QWACs) secure communication between third-party providers and banks. D-Trust offers both PSD2 QWACs and PSD2 seal certificates for banks and third-party providers. The seal certificate can be used in combination with D-Trust seal cards.

Functions

Authentication – Before issuing an SSL-TLS certificate, D-Trust checks various information, such as control over a domain or the legal existence of an organization

Encryption – The SSL/TLS certificate encrypts all data exchanged between a user and the website.

Data integrity – SSL/TLS certificates use a MAC (Message Authentication Code) algorithm to prevent data loss or alteration.

Types of SSL certificates

- **Domain-validated SSL/TLS certificates (DV)**
Authentication is carried out by proving the rights of use for a domain. A wide variety of domain validation procedures can be used here.
- **Organization-validated SSL/TLS certificates (OV)**
A complete identity check of the organization and its domain ownership is carried out here.
- **Extended-validation SSL/TLS certificates (EV)**
EV certificates offer the highest standard of authentication and are distinguished primarily by a green address bar containing the company name.
- **Qualified website authentication certificates**
Qualified Website Authentication Certificates (QWACs) according to the eIDAS regulation. Verification is carried out here at EV level and comes with high browser acceptance.

How to get your certificate

You can purchase certificates either using the single application channel or via the managed PKI platform, the Certificate Service Manager (CSM) from D-Trust.

	Advanced DV SSL/TSL ID	Advanced SSL/TSL ID	Advanced EV SSL/TSL ID	Qualified EV SSL/TSL ID	Qualified Website PSD2 ID
Green address bar in the browser			✓	✓	
Browser compatibility	✓	✓	✓	✓	
Wildcard option, for securing subdomains	✓	✓			
Organization check		✓	✓	✓	✓
Compliant with the EU General Data Protection Regulation	✓	✓	✓	✓	✓
eIDAS-compliant				✓	✓
PSD2-compliant					✓