



**IT SECURITY
SPECIALISTS**

SSL/TLS CERTIFICATE TYPES

Although all SSL/TLS certificates provide the same level of encryption, identity will always serve as the foundation to digital security. High Assurance certificates provide additional layers of identity assurance elevating the trustworthiness of your entire site.

We compare the different types of SSL/TLS certificates available in this documentation



DOMAIN VALIDATED (DV) SSL/TLS

CERTIFICATE FEATURES:

Certificates are issued quickly typically through automated processes.

The DV Dilemma

Due to limited verification required for DV certificate issuance, this certificate type provides NO identity assurance. Certificates are typically issued automatically, which creates the following assurance loopholes:

- No identifying information will be visible in the certificate organisation field.
- Certificates can be acquired anonymously and used for phishing/ scam sites.
- Sites secured with DV certificates are generally linked to fraudulent activity.

WHAT IS VERIFIED?

Domain Ownership/Control

Verification to confirm domain ownership is validated against information provided on WHOIS records or via email authentication to approved addresses which include your domain name e.g. (webmaster@yourdomain.com).

WHEN TO USE:

As this certificate provides NO assurance, SSS does not recommend that organisation's implement DV SSL/TLS in any application.

DV is NOT recommended for ecommerce or sites which handle sensitive data such as lead generation forms and online login pages.



ORGANISATIONAL VALIDATED (OV) SSL/TLS

CERTIFICATE FEATURES:

OV certificates provide high assurance and verified site identity. Extensive validation checks are performed before certificates are issued.

The OV Advantage

Registered organisation information is displayed within the certificate details, users can view this information by clicking on the padlock icon to view the certificate attributes.

WHAT IS VERIFIED?

Domain Ownership/Control

Various domain verification options are available for quicker approval and issuance including:

- Email Authentication
- Web Server Authentication
- DNS Authentication
- Manual Authentication

Organisation Verification

Additional information about the organisation which controls the site is verified including the registered/ legal name, as well as address details.

Certificate Requester Validation

Additional steps are taken to contact the person requesting the certificate to confirm that they did indeed request the certificate and that the requester is authorised to receive the certificate on behalf of the organisation.

WHEN TO USE:

SSS highly recommends OV certificates. OV are considered best practice for securing website transactions and are backed by rigorous verification practices and checks. This certificate type proves website authenticity assuring visitors that you are serious about the protection of their information.



EXTENDED VALIDATED (EV) SSL/TLS

CERTIFICATE FEATURES:

EV certificates provide the highest assurance online, backed by the strongest level of verified identity which adds additional layers of security to your site.

EV is used by major anti-phishing services to determine safe websites, and is treated as more trustworthy by browser filters.

The EV Edge

Organisations that have EV are well positioned for forthcoming regulations in the EU that put identity at the forefront of digital security. Regulations for PSD2 compliance will require financial service providers to secure transactions and open banking APIs with a Qualified Website Certificate (QWAC), which is built upon the foundation of an EV certificate.

EV certificates follow a very similar validation process to OV but include a few additional checks adding to the level of trust and security the certificate provides.

WHAT IS VERIFIED?

Domain Ownership/Control

Various domain verification options are available for quicker approval and issuance including:

- Email Authentication
- Web Server Authentication
- DNS Authentication
- Manual Authentication

Organisation Verification

Additional information about the organisation which controls the site is verified including the registered/ legal name, as well as address details.

Identifying detail

Extensive identifying detail is verified which includes the organisations registered and legal status as well as physical and operational existence. Additionally, various contacts are added to the enrolment including higher authority, contract signer and certificate requester detail. All information is checked using third-party sources for confirmed legitimacy.

WHEN TO USE:

EV certificates are the most trusted and secure SSL/TLS solution that is actively used by the worlds leading online businesses. The most extensive validation method is used to verify the sites identity providing high assurance as well as data encryption for your organisations networks, websites and domains.

If you take security and your customers information seriously and are thinking of using an EV SSL/TLS certificate, but assume the validation process is too complicated or long, let SSS do the work for you. Our team of experts are ready to streamline the process, helping you easily acquire EV without the hassle.

SSS - has been providing services to government and corporate clients in New Zealand and across the world for more than 30 years. Our core business is to assist our customers with their IT security needs.

We do this by providing best of breed security products, skilled and experienced consulting services, and tailored support services. We are also specialists in building tailored software security solutions for customers, primarily in the area of email security. We pride ourselves on achieving high levels of customer satisfaction, and our development of long-term partnership relations with our key customers and partners.



GET IN TOUCH

Let's talk about your SSL/TLS certificate requirements. Send us a message and we will be in touch.

Pricing or Plans
sslsales@sss.co.nz

Features or Technical Information
sslsupport@sss.co.nz

General Enquiries
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Website
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