SSL CERTIFICATES

SECURE AND TRUSTWORTHY FOR ABSOLUTE CUSTOMER CONFIDENCE

SSL certificates are the number one security detail to promote trust in a website. A certificate encrypts website communications and guarantees site authenticity. The Chrome web browser confirms that a site has a valid security certificate by displaying a padlock, while Safari shows a security shield. Without a SSL certificate, some browsers will outright block your site. SSLs are a key component in web security.
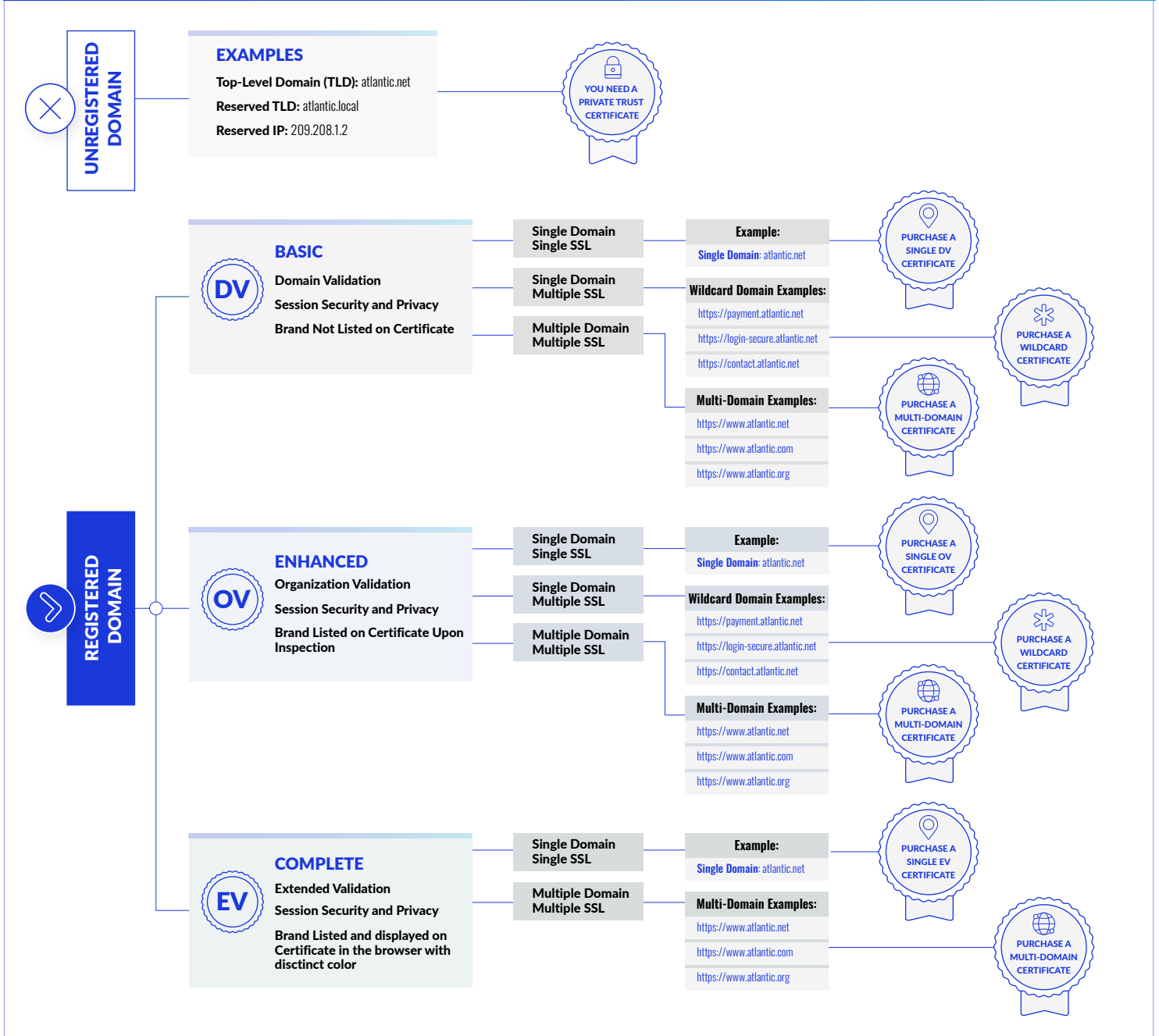
WHAT KIND OF SSL CERTIFICATE DO I NEED?

- Each SSL has a different use case scenario. Some are free and some are subscription-based. Some can even be created by the user, but most need to be purchased from a Certificate Authority (CA).

- An unregistered **Private Trust Certificate** is the most basic available. It's a free self-signed cert created by the user. This is only recommended for internal company sites or personal blogs.

- **Basic trust** is a domain-validated certificate that creates a private security session for the user. These are usually free of charge, and you can use applications like Let's Encrypt to create rolling 90-day certificates. These are only recommended for sites not bound by regulations like PCI compliance or HIPAA compliance.

- **Enhanced trust** is available at an organizational or individual level using validated certificates that also create a private security session for the user. Business information is hard-coded into the enhanced certificate. Most business sites will start with this type and grow from here depending on compliance requirements.

- **Complete trust** is an Extended Validation certificate that creates a private secure session with the user and typically displays the business details, usually in a green color next to the padlock. These types of certificates are usually used by companies that are under compliance requirements like HIPAA, PCI-DSS, HITECH, etc.

- There are three types of Registered Certificates:

  - **Domain Validated Certificate (DV)** *(Basic)*
  - **Organizational / Individual Certificate (OV)** *(Enhanced)*
  - **Extended Validation Certificate (EV)** *(Complete)*

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SSL/TLS OPTIONS TO CHOOSE FROM
A VISUAL GUIDE TO CHOOSING THE RIGHT SSL/TLS FOR YOUR ORGANIZATION

UNREGISTERED DOMAIN

EXAMPLES
Top-Level Domain (TLD): atlantic.net
Reserved TLD: atlantic.local
Reserved IP: 209.208.1.2

YOU NEED A PRIVATE TRUST CERTIFICATE

REGISTERED DOMAIN

BASIC
DV
Domain Validation
Session Security and Privacy
Brand Not Listed on Certificate

Single Domain Single SSL
Example:
Single Domain: atlantic.net
PURCHASE A SINGLE DV CERTIFICATE

Single Domain Multiple SSL
Wildcard Domain Examples:
https://payment.atlantic.net
https://login-secure.atlantic.net
https://contact.atlantic.net
PURCHASE A WILDCARD CERTIFICATE

Multiple Domain Multiple SSL
Multi-Domain Examples:
https://www.atlantic.net
https://www.atlantic.com
https://www.atlantic.org
PURCHASE A MULTI-DOMAIN CERTIFICATE

ENHANCED
OV
Organization Validation
Session Security and Privacy
Brand Listed on Certificate Upon Inspection

Single Domain Single SSL
Example:
Single Domain: atlantic.net
PURCHASE A SINGLE OV CERTIFICATE

Single Domain Multiple SSL
Wildcard Domain Examples:
https://payment.atlantic.net
https://login-secure.atlantic.net
https://contact.atlantic.net
PURCHASE A WILDCARD CERTIFICATE

Multiple Domain Multiple SSL
Multi-Domain Examples:
https://www.atlantic.net
https://www.atlantic.com
https://www.atlantic.org
PURCHASE A MULTI-DOMAIN CERTIFICATE

COMPLETE
EV
Extended Validation
Session Security and Privacy
Brand Listed and displayed on Certificate in the browser with disctinct color

Single Domain Single SSL
Example:
Single Domain: atlantic.net
PURCHASE A SINGLE EV CERTIFICATE

Multiple Domain Multiple SSL
Multi-Domain Examples:
https://www.atlantic.net
https://www.atlantic.com
https://www.atlantic.org
PURCHASE A MULTI-DOMAIN CERTIFICATE

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SSL CERTIFICATES

SSL CERTIFICATE PRICING, SPECIFICATION, AND WARRANTY

Name	Geo Trust Quick SSL Premium	Geo Trust True Business ID	Geo Trust True Business ID EV
Validation Type	Domain Validated	Organization Validated	Extended Validation
Wildcard	No	No	No
SAN Support	Supports 1 SAN package that includes 4 sub-domains ($40/year).	SANs are $40/year each. Supports up to 100 domains. Minimum order is 4 SANs.	SANs are $50/year each. Supports up to 100 domains. Minimum order is 4 SANs.
Price	$149/year	$199/year	$299/year
Issuance	1-2 days	1-14 days	1-4 weeks
Re-issues	Unlimited	Unlimited	Unlimited
Warranty by CA	$500,000	$1,250,000	$1,500,000
Business Validated	No	Yes	Yes
Security and Encryption	256-bit encryption signed with a 2048-bit root	256-bit encryption signed with a 2048-bit root	256-bit encryption signed with a 2048-bit root
Available Periods	1 Year	1 Year	1 Year

Name	Geo Trust True Business ID Wildcard	RapidSSL Basic	RapidSSL Wildcard
Validation Type	Organization Validated	Domain Validated	Domain Validated
Wildcard	Yes	No	Yes
SAN Support	No	No	No
Price	$599/year	$59/year	$249/year
Issuance	1-7 days	1-2 days	1-2 days
Re-issues	Unlimited	Unlimited	Unlimited
Warranty by CA	$1,250,000	$10,000	$10,000
Business Validated	Yes	No	No
Security and Encryption	256-bit encryption signed with a 2048-bit root	256-bit encryption	256-bit encryption
Available Periods	1 Year	1 Year	1 Year

SSL installation is $100 for each SSL certificate

What trust level do you require?

Contact us today and we will be happy to guide you further and help you choose the right hosting solution for your organization. For faster application deployment, free IT architecture design, and assessment, call **888-618-DATA (3282)**, or email us at **sales@atlantic.net**.