In the era of network information, the security of data is related to the future development of enterprises. With the rapid development of Internet technology, events caused by security problems are more and more frequent. Enterprise websites, especially those involving user privacy information, face the potential risk of being attacked by the network at all times. Website disclosure and fraud events are growing up and cause bad impact, which has serious harm to the interests of the owner and its customers.

The security of data is related to the future development of the enterprise. The necessary condition for the survival of the enterprise is to make the customer have a sense of trust in the product and establish a trust bridge with the customer. Using SSL certificate is one of the effective methods to improve the security of website, prevent information from being stolen or tampered, hijacked by operator traffic, phishing website and protecting data security.
The global HTTPS encryption traffic is growing, and HTTPS encryption is listed as a mandatory standard in the requirements of data security in all areas of the world. It can be seen that the installation of SSL certificate is an important step in the safe operation of the future website, regardless of the importance of the development of the SSL certificate industry at home and abroad. Therefore, the enterprise site should install the SSL certificate in time to comply with the development, and select an authoritative trusted CA to apply for SSL certificate.
03 | PRODUCT INTRODUCTION

TrustAsia SSL certificate is a local brand SSL certificate established by TrustAsia Technologies, Inc. which combines the network environment and usage habits of domestic enterprises and enterprises. It provides enterprises and individuals with secure and reliable encrypted data transmission and authentication services.
04 | PRODUCT FUNCTION

**Confirm the authenticity of the website**
Help confirm the true identity of the site, like the identity card of the website in the Internet world.

**Transmission Security protects user Privacy**
Establish a secure information transmission encryption channel between the website and the client to protect the user’s privacy data.

**improve search engine ranking**
Well-known search engines have given priority to sites that support HTTPS to quickly improve the ranking of websites.

**Ensure data integrity**
HTTPS is used to encrypt communication to prevent data from being stolen and tampered with in the process of transmission to ensure data integrity.

**improve that access speed of the Web site**
Fully compatible with HTTP2.0 protocol, fast and dynamic loading of web content, for the website service speed.

**Prevent traffic hijacking**
Effectively prevent Internet service provider traffic hijacking, insert advertising.

**International Trust and Signature**
Place an international trusted signature in the website, visitors can use the signature link to learn about the security and trusted status of your site.

**Improve the brand image and credibility of the company.**
The browser address bar displays the HTTPS security lock, indicating that the security of the site is reliable, and the brand image and credibility of the company are enhanced.

**More effects**
- Apple developer ATS standard. From January 1, 2017, Apple announced that all applications on the AppStore must be enabled with App Transport Security (ATS) secure communications technology.
- The WeChat applet requires HTTPS encryption and must use the SSL certificate.
- It is applied to the security communication design of Information system Security level Protection.

SSL Certificate
Digital Certificate is the cornerstone of Internet Security
Compared with the common brand SSL certificate, TrustAsia brand SSL certificate has many advantages, such as ECC and RSA double encryption algorithm support, enterprise security evaluation, certificate management system, certificate fast issuance, good compatibility and high performance-price ratio.

**WHY CHOOSE TRUSTASIA**

### ECC/RSA Algorithm Supported

TrustAsia SSL certificate fully supports international ECC and RSA standard encryption algorithm, suitable for user key encryption length.

- **RSA algorithm**: the international standard algorithm, the compatibility is good, the encryption length of 2048 bits is generally adopted, and the performance of the server is high.

- **ECC algorithm**: the Chinese name is elliptic encryption algorithm, the new generation algorithm trend is mainstream, generally using 256-bit encryption length, low consumption for server resources, higher efficiency.

### MPKI Certificate Management System

- Cross-sectoral and regional certificate management
- Telescopic centralized solution
- Simplify SSL certificate management throughout the enterprise
- A better platform for enterprise-class customization

- Flexible SSL Certificate Management and risk
- ControlReduction SSL certificate management costs and complexity of SSL certificate management
- what the heart wishes one’s hands accomplish
- Sub-authority management to eliminate the leakage of certificate information
MySSL Enterprise Edition is a system that can meet the security detection, certificate validity and alarm of multiple HTTPS sites, provide visual rating chart and interactive cross-brand certificate management dashboard, support HTTPS security rating, certificate brand, certificate validity, SSL vulnerability, PCI DSS & ATS compliance monitoring and centralized management, abnormal situations can be alerted by mail, WeChat and telephone. Purchase TrustAsia SSL certificate to provide enterprise version MySSL monitoring service, provide real-time HTTPS monitoring and protection for the website.

Overview of security ratings
The nine ratings of A+, A, A-, B, C, D, E, F, and T are given according to the safety risk.

Certificate brand management
Support globally trusted SSL certificate brands, such as DigiCert/Symantec, TrustAsia, Let’s Encrypt, etc.

Certificate validity management
The validity period of the certificate shall be subject to hierarchical management, including more than 3 months, 3 months, 2 months and 1 month after expiration.

Certificate Type Management
Classification management is carried out according to the audit type, mainly including EV, OV, DV and unknown.

SSL vulnerability distribution
The monitoring and statistics of related vulnerabilities revealed in SSL protocol, at present, there are 8 related middle and high risk vulnerabilities.

Compliance monitoring
PCI DSS third party payment industry data security standard; ATS application transmission security specification, but also by Mini Programs, Android and other ecological reference.

Great Compatibility
Compatibility is related to whether the browser will correctly give web security tips when the user accesses. The TrustAsia root certificate issued by the international top CA organization DigiCert/Symantec supports all the mainstream browsers and mobile devices at present.

List of compatibility of TrustAsia SSL certificates in major browser versions

<table>
<thead>
<tr>
<th>年</th>
<th>IE</th>
<th>Edge</th>
<th>Firefox</th>
<th>Chrome</th>
<th>Safari</th>
<th>Opera</th>
<th>iOS</th>
<th>Android</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>17</td>
<td>58–62</td>
<td>64–69</td>
<td>11.1–12</td>
<td>50–55</td>
<td>11.4</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>2006–2010</td>
<td>7–8</td>
<td>2–3.6</td>
<td>4–8</td>
<td>3.1–5</td>
<td>10.1</td>
<td>3.2–4.1</td>
<td>2.1–2.3</td>
<td></td>
</tr>
<tr>
<td>2001–2005</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Fastly Issue Certificate

TrustAsia brand for certified domain name certificate application, can be issued in real time.

More Services

- Audit of the same domain name
- Remote code signature service
- EXAMINE
- Full Site encryption
- HTTPS Automation deployment Solution-HTTPS Gateway
- Private key Separation solution
- HTTP(S) Encryption
- HTTPS gateway solution
- PKI solution (Authentication)
- Always on SSL—encryption is everywhere.
- Multi-factor identity authentication
- Double certificate deployment Solution
- Electronic contract (document signature)
- Certificate chain customization service
TrustAsia OV SSL Certificate

TrustAsia Organization Validation (OV) SSL Certificate, Asian Integrity Enterprise SSL Certificate, or Asian Integrity Organization Verification SSL Certificate. It can provide the maximum SHA256-bit encryption algorithm to ensure the security of online transactions and online shopping of your users. It can not only play the role of website information encryption, but also prove the real identity of the website to the user, so that the user can fully trust your website. TrustAsia OV SSL supports single domain name, multi-domain name, and multiple versions of wildcard characters.

Features

Strict enterprise identity information authentication
ECC and RSA dual algorithm support
Whole process technical support service
Asian Integrity Certificate Security Program

Applicable object

Enterprise sites, e-commerce sites, electronic post office servers, APP distribution downloads that also meet the requirements of iOS, Google and so on must use HTTPS secure connections.

Browser display

The browser displays a green "lock" type security message. When you click the Lock icon, you will see the name of the certificate issuing authority.

Internet Explorer

www.trustasia.com

Chrome

安全 https://www.trustasia.com

Firefox

https://www.trustasia.com

Safari

www.trustasia.com

Opera

www.trustasia.com
TrustAsia EV SSL certificate

TrustAsia Extended Validation (EV) SSL certificate, Chinese for Asian integrity enhanced SSL certificate, or Asian integrity enhanced organization certification SSL certificate, is issued according to a series of specific standards of X.509-e-certificate. TrustAsia EV SSL is the highest end SSL certificate of the global unified identity authentication standard. It automatically activates the green address bar of the browser and displays the enterprise name of the website operator in the address bar. It is easier for users to identify the real identity of the real website operator and fully trust your website, thus bringing more orders. TrustAsia EV SSL supports single domain name, multi-domain name version.

Features

- Authentication of Enterprise identity
- Information at the highest level
- A browser that supports EV and displays the green address bar and company name
- ECC and RSA dual algorithm support
- Whole process technical support service
- TrustAsia Certificate Security Program

Applicable object

Banks, insurance, financial institutions-related corporate websites, e-commerce sites, APP distribution downloads that also meet the requirements of iOS, Google and so on must use HTTPS secure connections.

Browser display

The browser displays a green address bar, a green lock security flag, and an enterprise name. When you click on the Lock icon, you will see the full company name and the name of the certification authority.
Product comparison

<table>
<thead>
<tr>
<th>Certificate type</th>
<th>TrustAsia OV</th>
<th>TrustAsia EV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trust level</td>
<td>🛠️ 🛠️ 🛠️</td>
<td>🛠️ 🛠️ 🛠️</td>
</tr>
<tr>
<td>Security Grade</td>
<td>🛠️ 🛠️ 🛠️ 🛠️</td>
<td>🛠️ 🛠️ 🛠️ 🛠️</td>
</tr>
<tr>
<td>SAN (UC) support</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Public key algorithm</td>
<td>RSA and ECC</td>
<td>RSA and ECC</td>
</tr>
<tr>
<td>encryption strength</td>
<td>Support up to 256 bits.</td>
<td>Support up to 256 bits.</td>
</tr>
<tr>
<td>Public key length</td>
<td>RSA (more than 2048)</td>
<td>RSA (more than 2048)</td>
</tr>
<tr>
<td>free-to-charge</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Installation check</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>State detection</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>Supported version</td>
<td>Single domain name, multi-domain name and wild card character</td>
<td>Single and multiple domain names.</td>
</tr>
</tbody>
</table>

TrustAsia SSL certificate market share

According to the scanning report of Netcraft, an internationally renowned SSL market analysis and research platform, the domestic market share of TrustAsia SSL certificate up to March 2018 is Top1.
TrustAsia brand SSL certificate has excellent product quality, good after-sales service, loved by users. Hundreds of Chinese enterprises and institutions have applied for TrustAsia SSL certificates, and you are no stranger to the following companies.

well-known enterprise (partial)