

## Website Security with Entrust & SiteLock

Entrust + SiteLock – Industry Leaders Providing Layered Security

Entrust is officially partnered with the industry leader SiteLock to provide an additional layer of security and added protection against common cyber threats for SSL customers. When your clientele visits your website, there is an expectation on their part that the data they submit online is secure and that their devices will not become infected by malicious code. In addition to providing SSL/TLS certificates for data encryption and website identification, your SSL/TLS certificates will also include a website security bundle from SiteLock to make sure your web applications are secure. SiteLock is an off the shelf service that scans your website on a daily basis for malware and other known vulnerabilities. By displaying the SiteLock trust seal on your website, your customers will feel more confident using your website, submitting personal information, and making online purchases.

### How Do Website Vulnerability Scans Work?

The SiteLock website security scanners search your website to look for code or links to code that are considered to be malicious or harmful to you and your end users. When the scan identifies an issue, you are immediately alerted via e-mail. SiteLock uses both an outside-in and inside-out approach to website scanning. SiteLock will scan your website from the outside to look for known malware and test your site for other vulnerabilities such as Cross Site scripting and SQL injection attacks.

SiteLock also offers a technology called SMART (Secure Malware Alert & Removal Tool) which can be used to scan your web application's source code. This tool can be configured to remediate issues by automating the removal of malicious code from your web application. Entrust SSL certificates include either the basic or enhanced website security scanning bundle from SiteLock depending on the type of certificate being used. You will have the option to configure your SiteLock scan with each Entrust certificate you have issued.

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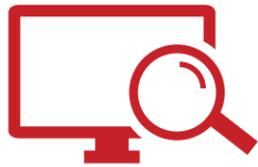
 [/EntrustVideo](https://www.youtube.com/EntrustVideo)

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### SiteLock Features:



**Daily Malware Scan:** This outside-in scan will look at your website and check for content that contains malware. The scan will also check for links to other websites that contain malware that could do damage to your end users' device(s).



**Reputation Monitoring:** SiteLock constantly monitors blacklists of leading search engines to ensure that your website has not been blacklisted as a result of malware or links to other malicious sites. In addition, SiteLock also monitors the industry leading spam filters to make sure that the e-mails you send to your customers are not being marked as spam.



**Auto-Malware remediation:** Using SiteLock's SMART tool, your websites source code can be securely uploaded to SiteLock using FTP. SiteLock will then analyze the code to check for known malware signatures. If malware is detected, SiteLock can clean the code for you and return the cleaned code back to you via FTP. This allows you to focus on your business and clients, while SiteLock does the work to protect your website 24x7x365.



**Website and Network Vulnerability Scan:** This scan will check the web application from the outside to see if it can detect vulnerabilities such as cross site scripting and SQL injection. At the same time, the scan will also do a check on your SSL certificate to ensure that you are using a valid certificate that is configured properly. Third party applications such as shopping carts and blogs are also checked against known threats. As an added measure, SiteLock will also check to see if any network ports are opened that could potentially be used by an attacker to gain entry into your server.

### Entrust + SiteLock Trust Seals

When you use an Entrust SSL Certificate and a SiteLock website security bundle, you are automatically provided with trust seals that you can proudly display on your web page. Most of your users are looking for some form of trust seal on a website before they provide any type of personal details, including credit card information.

The SiteLock trust seal is proven to increase user confidence when they provide you with their personal information. In addition to the SiteLock trust seal, you also have the option to display the Entrust SSL Site Seal to really show your customers that you are serious when it comes to their online security.



Sample SiteLock Trust Seal image and Entrust site Seal image

Did you know that displaying some kind of trust seal is proven to increase sales conversions by 15%?

### What are the Most Common Threats?

#### According to the research provided by SiteLock:

- There are 1 million new malware variants created per week.
- Over 86 % of all websites are vulnerable to some form of attack.
- 10,000 websites are blacklisted by Google every day.
- 60% of all data breaches happen in small business with 50 employees or fewer. Cyber criminals are not just targeting the big e-commerce websites. They are aware that smaller companies many not have the security resources to prevent basic attacks from occurring.

Many of the attacks that cyber criminals use today are very easy to carry out. The scary part is that there are many websites that are completely open to these types of attacks.

**SQL Injection:** Using a website input field, the attacker is able to inject an SQL query into the web application. This attack can occur when the application does validate data input values on these fields. This allows the attacker to perform read, modify, and execute operations which can lead to identity spoofing, data tampering, disclosure of sensitive information and denial of service.

**Cross Site Scripting:** Similar to an SQL injection attack, this method allows the attacker to submit scripts into an input field. This can lead to disclosure of sensitive information and can also allow the attacker to modify the content of a webpage, which can be very damaging to your reputation.

## Entrust + SiteLock Website Security Bundles

Scan type	Description	
<b>Malware scan</b>	Outside-in scan that occurs daily or on demand that will identify any known signature based malware present on your site or links to other sites known malware.	✓ 250 pages daily ✓ 500 pages daily
<b>Spam Scan</b>	A scan of industry leading SPAM lists for any association with your website or network with spam emails, which can blacklist your company email domain, negatively impacting your ability to do business	✓ ✓
<b>Search Engine blacklist monitoring</b>	SiteLock monitors blacklists of leading search engines to ensure they have not associated your site as having malware	✓ ✓
<b>SMART</b>	Inside-out scan done by downloading your source code to SiteLock's server and checking for malware present in the source files, as well as changes since last download within the directory structure.  Malware is identified via signature based scan, and can be automatically or manually removed.	✓
<b>Cross Site Scripting Scan</b>	Outside-in check for cross-site scripting vulnerabilities, which can enable attackers to inject client-side script into web pages viewed by others.	✓
<b>SQL Injection Scan</b>	Outside-in scan for code injection vulnerabilities, which can enable attackers to run malicious SQL statements into web fields. This is a common attack that can lead to leaking or even destroying sensitive information.	✓
<b>SSL Scan</b>	Outside-in scan that verifies that the installed certificate is valid and up to date.	✓
<b>Application Scan</b>	Outside-in scan of applications on your website (shopping carts, blogs, etc) for any known vulnerabilities (monthly or quarterly).	✓
<b>Network Scan</b>	Outside-in scan of network ports which may be entry points for a hacker to exploit.	✓

- ✓ Basic Website Security Bundle - included with Standard, Advantage, UC-Multi Domain, and Wildcard SSL Certificates free of charge
- ✓ Enhanced Website Security Bundle - included with Extended Validation SSL Certificates free of charge

**Reference guides:**

- <https://www.sitelock.com/website-scanning.php>
- <https://www.entrust.com/lp/sitelock-website-scanning/>

**About Entrust Datacard**

Consumers, citizens and employees increasingly expect anywhere-anytime experiences – whether they are making purchases, crossing borders, accessing e-gov services or logging onto corporate networks. Entrust Datacard offers the trusted identity and secure transaction technologies that make those experiences reliable and secure. Solutions range from the physical world of financial cards, passports and ID cards to the digital realm of authentication, certificates and secure communications. With more than 2,000 Entrust Datacard colleagues around the world, and a network of strong global partners, the company serves customers in 150 countries worldwide.

For more information about Entrust products and services, call **888-690-2424**, email [entrust@entrust.com](mailto:entrust@entrust.com) or visit [www.entrust.com](http://www.entrust.com).

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