



**ENTRUST**

# Assess and Manage Cryptographic Security with Entrust

Entrust offers a unique selection of advanced security technology to help you manage your cryptographic inventory against standard and quantum policies. Our Platinum Services customers can improve their overall IT security posture by gaining visibility into a full and accurate audit of their complete cryptographic inventory. We offer a full complement of risk mitigation tools for cryptography security assessment with Discovery Scanner, Qualys SSL Labs\*, and AgileScan Analytics.

## Cryptographic lifecycle management

AgileScan Analytics from InfoSec Global scans your cryptographic inventory and scores it against current cryptography standards as well as more stringent quantum policies. The tool also takes a deeper dive into cryptography testing by scanning and scoring your entire end-to-end security posture. AgileScan Analytics takes vulnerability scanning to the next level by searching for unmanaged certificates hidden both inside binaries and in plain sight. It goes past the endpoints (e.g., firewalls, VPNs, and servers) to detect both public and private certificates residing within an organization's IT environment.

## SSL Server Test

Powered by Qualys SSL Labs, the automated [SSL Server Test](#) runs, as scheduled by the user, to determine whether your internet web servers are configured for optimal security. It performs a deep analysis of the configuration of any TLS/SSL endpoint on the public internet, identifies vulnerabilities, and grades your level of compliance. It also provides email and screen notifications when servers do not meet your standards.

## Discovery Scanner

Discovery Scanner, powered by Entrust, offers multiple scan and import tools to locate and manage all digital certificate types. Our suite of tools adds capabilities for finding and auditing all digital certificates, regardless of issuing certification authority (CA), with the option to consolidate management of foreign certificates to our centralized dashboard. This makes it easier to audit and manage all of your digital certificates.

## Expert by Your Side (EBYS)

Managing cryptography requires expertise and dedicated resources that are not always available in-house. Entrust can place an EBYS to set up the Discovery tool, make recommendations based on best practices, and leverage our unique Discovery tools to bring hidden cryptography into view. This service requires an additional fee.

\*SSL/TLS server assessment service provided in partnership with Qualys SSL Labs

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## KEY CAPABILITIES

	Crypto Lifecycle Manager, powered by AgileScan Analytics	SSL Server Test, powered by Qualys SSL Labs*	Discovery Scanner, powered by Entrust
<b>Scanning Capabilities</b>			
Active Certificate Scanner – scans IP/port combinations	Active TLS/SSL (automated) Other cert types (machine scanning agent)  Vendor agnostic External + internal facing Public or private trust	Scans and evaluates individual endpoints for TLS/SSL security posture	Active TLS/SSL (automated) Other cert types (manual import) ---- Vendor agnostic External + internal facing Public or private trust
Scanning Agent – scans and inventories machines for certificates and crypto	Scans: • Binary files • Java files • Java key stores • MS CAPI store certs • Compressed files • Dormant/isolated/hidden • PEM, CER, DER, P12 files	N/A	Scans: • MS CAPI store certs
Evaluates and scores ciphers at endpoints	External + Internal	External	No
Evaluates and scores TLS/SSL protocols	External + Internal	External	No
Scans for external + internal facing certs	External + Internal	N/A	External + Internal
Consolidates to ECS	No	No	Yes
<b>Compliance Testing</b>			
Compliance and audit	Internal policy: cert expiry times, cert signing authority, authorized algorithms, authorized libraries External regulations: PCI DSS (3.5, 4.1, 6.5), HIPAA, GDPR (Clause 83), PSD2 (Article 35), NIST (800-175, 22, 133, 131, 78, 56), ISO 27002 (Ctrl domain 12, 13, 14), ISO 24759, ISACA, CSA	Server configuration compliance	Limited certificate compliance (expiry + cert length, etc.)
Crypto evaluated against standard and quantum policies	Yes	No	No
<b>Reporting</b>			
Reporting	Yes • Detailed certificate • Crypto inventory and readiness	Yes • TLS/SSL server configuration by endpoint	Yes • Certificate populations • Content
Reporting formats	HTML, PDF, Excel, MS Word	HTML, PDF, Excel	HTML, PDF
Scores for vulnerability	• Crypto vulnerability • TLS/SSL vulnerability	TLS/SSL vulnerability	No
Included with ECS	Platinum Services Only	• Automated (Platinum) • Integrated (Silver)	100 management licenses (Platinum) Fee for management licenses (Silver)

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# Cryptography Security Assessment

## AgileScan Analytics FAQs

### What is AgileScan Analytics?

AgileScan Analytics is a unique security solution that quickly and easily generates an inventory of cryptographic algorithms and certificates found in software and systems across your infrastructure. It identifies cryptographic risks, weaknesses, and vulnerabilities and can accelerate your compliance goals and increase your post-quantum readiness.

### What can AgileScan Analytics find on your network?

The network component of AgileScan Analytics scans every port on target IP addresses and finds TLS server ports, as well as primary certificates and cipher suite lists presented by each port. It can also consume NetFlow to find new TLS ports on their first use, alerting you to new use of cryptography.

### What can AgileScan Analytics find on your hosts?

The host-based AgileScan Analytics agent is capable of analyzing the host's entire file system (or portions you specify) to find certificates, keys, binaries, and other files that implement cryptography, and of making calls to cryptographic libraries. It can find outdated, weak, and vulnerable uses of cryptography that you weren't aware existed on the host.

### What else can the AgileScan Analytics agent find on hosts?

The AgileScan Analytics agent can find items such as block and stream ciphers, hash functions, public key cryptography, software-based and hardware-based random number generators, certificates including X.509 and others, public and private keys, key exchange protocols, elliptic curves, cryptographic hardware drivers (including hardware security modules (HSMs)), and many other cryptographic artifacts.

### What types of host devices does AgileScan Analytics support?

The AgileScan Analytics agent is a lightweight, easy-to-deploy product that currently supports Windows, Mac OS X, and Linux hosts. Installation is quick and simple, and a scan can be initiated within minutes of download.

### Will my systems experience any performance issues using AgileScan Analytics?

The AgileScan Analytics agent is designed to have minimal impact on your system resources. Under normal operation, your other applications and processes should not be affected. AgileScan Analytics provides you the ability to customize performance features such as number of threads used, packets per second, number of concurrent scans, specified scheduled scan window times, how often a scan should run, and how much time should pass between scans.



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## What other customization options are there?

No two environments are identical. AgileScan Analytics is flexible enough to adapt to your unique needs. If you only want to scan specific host addresses, or you want to scan complete subnets but exclude a small number of host addresses, AgileScan Analytics allows you the ability to target the systems you care about the most.

## What if I need to know about crypto use that's specific to my organization?

In some highly regulated environments, you may not be able to use the latest and greatest cryptography available. For example, TLS 1.2 may be mandated for use in your environment, not TLS 1.3, and you may need to categorize use of TLS 1.3 as high-risk or inappropriate. AgileScan Analytics allows you to customize the severity of crypto threats in a fashion that is relevant to you and your organization, alerting you to the use of crypto that is not yet approved for use in your industry.

## What sort of reporting does AgileScan Analytics offer?

AgileScan Analytics provides top-level overviews in easy-to-digest PDFs, intended for executives or decision makers. Detailed reports are available in PDF, Word, and Excel formats, and provide a wealth of very specific information to help your operational and technical practitioners plan status updates. They also contain information to support audit efforts, migration paths, and remediation efforts.



Learn more at  
[entrust.com](https://www.entrust.com)



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