Assess and Manage Cryptographic Security with Entrust Datacard™

Entrust Datacard 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+, Qualys Labs and AgileScan.

Cryptography Life Cycle Management, Powered by AgileScan from InfoSec Global

AgileScan 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 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 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 SSL/TLS 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+, Powered by Entrust Datacard

Discovery+ 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.

	Crypto Lifecycle Manager, powered by AgileScan	SSL Server Test, powered by Qualys Labs	Discovery+, powered by Entrust Datacard
Scanning Capabilities			
Active Certificate Scanner – scans IP/port combinations	Active SSL/TLS (automated) Other cert types (machine scanning agent) —— vendor agnostic external + internal facing public or private trust	Scans and evaluates individual endpoints for SSL/TLS security posture	Active SSL/TLS (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 SSL/TLS Protocols	External + Internal	External	No
Scans for External + Internal Facing Certs	External + Internal	N/A	External + Internal
Consolidates to ECS	No	No	Yes
Compliance Testing			
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
Reporting			
Reporting	Yes • Detailed certificate • Crypto inventory and readiness	Yes • SSL/TLS 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 • SSL/TLS vulnerability	SSL/TLS vulnerability	No
Included with ECS	Platinum Services Only	• Automated (Platinum) • Integrated (Silver)	• 100 management licenses (Platinum) • Fee for management licenses (Silver)

AgileScan – FAQs

What is AgileScan?

AgileScan 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 find on your network?

The network component of AgileScan 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 find on your hosts?

The host-based AgileScan 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 agent find on hosts?

The AgileScan 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 X509 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 support?

The AgileScan 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?

The AgileScan agent is designed to have minimal impact on your system resources. Under normal operation, your other applications and processes should not be affected. AgileScan 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.

What other customization options are there?

No two environments are identical. AgileScan 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 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 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 offer?

AgileScan provides top-level overviews in easy-to-digest PDFs, intended for executives or decision makers. Detailed reports are available in PDF, Word and Excel 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.

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