digicert®

DIGICERT® CRYPTO DISCOVERY

Comprehensive discovery to build a book of record

Overview

The purpose of discovery is to build a central book of record from which one can manage different groups of assets – applying policy, identifying vulnerabilities, updating algorithms, and embedding automation to desired certificate classes or targets.

DigiCert® Trust Lifecycle Manager (TLM) offers centralized visibility and control to scan, import, and manage cryptographic keys and certificates in corporate environments in addition to key input to centralization of PKI management and planning for quantum resistant algorithms.

TLM has the capability to employ different mechanisms to reach the full landscape of certificates within an organization and help prevent costly business outages.

At a glance

50,000+
Company server certificates

1,200
Unmanaged enterprise certificaets

47%
Of companies have "rogue" certificates

$500,000
Cost per hour for certificate outages

Discovery mechanisms

Integration with CertCentral and CA Manager
This integration streamlines certificate lifecycle management (CLM) from issuance to centralization, so that you can discover these certificates seamlessly. This full-stack capability is something most CA-agnostic CLM providers can't provide.

Integration with 3rd Party CAs
Most CA-based solutions aren't able to discover certificates that don't originate with them, a selling point that legacy CA-agnostic solutions harp on incessantly. In contrast, Trust Lifecycle Manager is at once a CA-centric and CA-agnostic solution.

Port-Based Scanning
Port-based scanning is the most basic way to discover certificates that don't come directly from a CA. A CLM solution drops a sensor in your IT environment and does the heavy lifting searching for certificates.

Sensors that Find Load Balancer Certificates
Trust Lifecycle Manager can leverage its sensors to automate certificates behind load balancers, which is essential due to the number of certificates typically associated with load balancers.

Agent-Based Scanning Tools
Certain certificates, such as those installed on Microsoft IIS or Apache web servers, are not discoverable using port-based scanning. To discover them, TLM uses agents that can gather specific information about these certificates.

Vulnerability Scanning Tools
TLM leverages vulnerability detection solutions already are scanning all corners of the network, building and maintaining a complete inventory and layout of your enterprise environment.

DigiCert® Discovery highlights

Better Visibility
Get a centralized view of all cryptographic assets for management and issuance across corporate environments.

Reduced Risk
Quickly find and fix problems like weak algorithms, unsigned binaries, and expiring, vulnerable, or non-compliant certificates.

Stronger Policy Enforcement
Minimize rogue CA issuance and closely monitor adherence to security policy.

Crypto-Agility
Asset discovery is the first step in preparing for post-quantum cryptography and provides visibility and dynamic movement of a company's crypto assets.

Tenable Integration
TLM supports discovery certificates from Tenable which uses different kinds of plugins to scan and discover data.

Qualys Integration
The integration of Qualys Vulnerability Management, Discovery and Response (VMDR) and DigiCert products enables customers to manage and automate the cryptographic assets that they discover in their vulnerability scans.

AWS and Microsoft CA
As cloud migration continues, many organizations are are contending with certificates issued from AWS Private CA, Microsoft CA and others, requiring the need to discover certificates issued from these CAs so they can be imported and cataloged in central certificate inventories.

Get started today

Get started with DigiCert® PKI Services. Contact a DigiCert account manager or email sales@digicert.com.

About DigiCert, Inc.

DigiCert is the world's leading provider of digital trust, enabling individuals and businesses to engage online with the confidence that their footprint in the digital world is secure. DigiCert® ONE, the platform for digital trust, provides organizations with centralized visibility and control over a broad range of public and private trust needs, securing websites, enterprise access and communication, software, identity, content and devices.

DigiCert pairs its award-winning software with its industry leadership in standards, support and operations, and is the digital trust provider of choice for leading companies around the world. For more information, visit digicert.com or follow @digicert.