

**HCLSoftware**

HCL BigFix  
Quantum Risk  
Analyzer



**HCL BigFix**

# Introduction

In 2022, the U.S. established a global regulatory benchmark by enacting the Quantum Computing Cybersecurity Preparedness Act (H.R. 7535), which legally mandates federal agencies to prepare for the implementation of Post-Quantum Cryptography (PQC).

This directive has catalyzed a worldwide compliance shift, with authorities in the European Union, United Kingdom, Singapore, and Australia issuing parallel mandates for critical infrastructure and financial sectors to finalize cryptographic inventories and transition plans between 2026 and 2028.

The HCL BigFix Quantum Risk Analyzer is an Automated Cryptography Discovery & Inventory (ACDI) tool designed to help organizations safeguard their encrypted data against the quantum computing threats of the future.

The module delivers a comprehensive and prioritized inventory of cryptographic systems, including:

1. Algorithm in use, service provided, and length of keys (file system, ports, keystores)
2. Risk-scored cryptographic inventory for executables and databases (in-transit and at-rest)
3. List of vulnerable systems and devices across most modern and legacy Windows and Linux OSs.



Take advantage of HCL BigFix Quantum Risk Analyzer multiple data sources to collect valuable cryptographic system datasets. Use these sources to:

- Track all certificates in the certificate store.
- Investigate Web Browser applications.
- Identify soft certs, services hosting TLS/SSL certificates, encryption methods, and more.

## Capabilities

- Track certificates by algorithm type.
- Identify countries of origin for certificates.
- Quickly detect expired certificates.
- Calculate certificate ages to identify your most vulnerable certs.
- Filter and search based on host, keywords, file types, and more.



### 01 Identify

Rapidly gather, **inventory**, and **prioritize** cryptographic systems to include applications, files, and connections.

### 02 Act

Customize, manage, and enforce policies to address your most vulnerable assets first.

### 03 Monitor

Continuously monitor endpoints to identify **cryptographic status** for reporting and taking action.



Comprehensive &  
Actionable Inventory of  
Cryptographic Systems

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[hcl-software.com](https://hcl-software.com)

## About HCLSoftware

HCL Software is a global leader in software innovation, dedicated to powering the Digital+ Economy. We develop, market, sell, and support transformative solutions across business and industry, intelligent operations, total experience, data and analytics, and cybersecurity. Built on a rich heritage of pioneering spirit and unwavering commitment to customer success, we deliver best-in-class software products that empower organizations to achieve their goals. Our core values of integrity, inclusion, value creation, people centricity, and social responsibility guide everything we do. HCL Software serves more than 20,000 organizations, including a majority of the Fortune 100 and almost half of the Fortune 500.