TrustMonitor® is Trust Visualized: Real-Time Monitoring for PKI-Based Security

Your enterprise relies on high-assurance Public Key Infrastructure (PKI) to log into workstations, digitally sign communications, and protect sensitive information. However, like traditional network infrastructure, PKI-based vulnerabilities in your enterprise are not immune from exploitation or service availability issues. The increased reliance on PKI provides a tempting new target for identity fraud, denial of service attacks, and other cybercriminal activities.

Risk factors are multiplied with the reliance on external PKIs that are managed by business partners, systems vendors, or other entities that exist beyond the control of your enterprise network and traditional systems monitoring tools but maintain a presence within your domain. To ensure the continued integrity of daily business workflow, you must have confidence in the health of all of the PKI systems and processes you rely on.

CertiPath's TrustMonitor is a managed service that tracks PKI to verify that business-critical components are authentic, reliable, and available whether they are hosted internally or are external business partner certification authorities (CAs).

Based on 24/7 trust-monitoring and CertiPath's CARE model of threat assessment, TrustMonitor provides instant notifications, impact analysis, and trend information for the real-time situational awareness necessary for assessing risks and minimizing service outages.

> **CertiPath CARE™: Build a real-time comprehensive view of PKI system integrity**
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> **Content and Constraints:** Manage certificate-dependent relationships with external business partners as they change over time.
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> **Availability:** Protect against service interruptions and maintain productivity.
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> **Revocation:** Real-time detection of potential fraud or misuse of blacklisted authorities.
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> **Expiration:** Stay up to date, always.

Solution Overview

Delivered as a managed cloud-based service offering, TrustMonitor maintains a 24/7 watch over CAs and status providers. It protects your enterprise's integrity and reduces time spent trouble shooting PKI-related issues. By using the CARE model to detect inconsistencies within your trust infrastructure, TrustMonitor establishes a new level of best practices in identity assurance and integrity for enterprises that depend on both internal and external PKIs.

Using TrustMonitor, your enterprise can leverage CertiPath's extensive level of insight into service availability and management. CertiPath provides your enterprise with access to both real-time and historic trend information relating to specific incidents and overall PKI health through our monitoring and analysis infrastructure. The reporting and alert features assist in incident response handling, threat mitigation, and planning/support activities that ensure that productivity and security are not compromised by system anomalies or deliberate attacks on internal, external, or perimeter PKIs.

Key Features

- **24/7 Certificate Authority, SSL, and Revocation List monitoring:** Receive real-time global insight from the cloud for internal, external, and perimeter certificate relationships.
- **Event notification:** Minimize the response times of enterprise support and help desks.
- **Analytics module:** Measure and benchmark performance, outages, and event resolution.
- **Non-proprietary:** Monitor CAs independent of vendor or operating system.
- **CertiPath expertise:** Receive assistance with escalation and event resolution

	CertiPath AMS
Internal Enterprise CAs	✓
Externally hosted Partner CAs	✓
Microsoft well-known Root CAs	✓
Path building and new CA discovery	✓
Commercial and Enterprise SSL providers	✓
Instant email and text-message alerts	✓
Support impact metrics and MTTR statistics	✓
Real-time and archived analytics/trend reporting	✓
Infrastructure visualization with CertiPath's Trust Explorer™	✓

About CertiPath

CertiPath, Inc. is a Virginia registered small business founded in 2004 to solve one of the most difficult problems in online security: determining whether a digital identity validly represents a person or "thing" requesting access to a network. Trusted digital identities are critical to the security of networks, data, and facilities.

CertiPath is the federated trust authority for high-assurance identity and access control to sensitive assets in both physical and online environments. We have defined a common standardized set of policies and practices for establishing, managing, and securing Public Key Infrastructure (PKI)-based identity credentials that meet the most rigorous standards for identity, integrity, and trust.

At the heart of its success, CertiPath applies unparalleled experience to create a suite of innovative, scalable products and services that hold identities accessing an organization's network to the highest level of validation. Using these tools, we protect the investment our customers have made in implementing high-assurance credentials as a method of authentication to their critical assets. Our trusted line of products leverage the Trust Fabric, a secure interconnection of trusted participants CertiPath spent a decade helping to create, to ensure that only valid and vetted users can access our customers' assets.