VIAVI Solutions

Brochure

VIAVI
The Need for Effective Digital Certificate Analysis

In today's rapidly evolving digital infrastructure, ensuring service availability and performance, network security, and compliance is paramount. The complex and dynamic nature of network and service architectures can create numerous challenges, including analyzing and managing digital certificates.

Digital certificates such as SSL/TLS play an important role in web-based service delivery. Valid certificates are key in ensuring proper encryption of internet traffic and authenticating server identity. Once a certificate expires, your organization may be exposed to several security and business risks:

- Websites and services become less secure
- Trust relationships between your business and your customers are impacted
- Service outages will cause damage to reputation and revenue

Certificate Management Challenges

Ideally, available certificate management tools would prevent certificate-related challenges. But in large organizations, IT and security teams often contend with managing hundreds or even thousands of websites and domains to confirm that their certificates are renewed on time. Adding to the challenge, these teams are often unaware of all the web services within the organization, many of which may have been created without the team's knowledge or simply abandoned or forgotten over time.

Your team needs an effective way of identifying certificate-related issues. Running servers with non-compliant or expired certificates is a risk you can't afford to take, especially if the affected hosts and services are public facing. Empower your team with a proactive approach to certificate analysis to ensure timely action, prevent negative outcomes, and safeguard your network and reputation.

The Observer Approach to Certificate Analysis

Don't let your certificates expire unnoticed. Observer monitors SSL/TLS handshakes as it analyzes your network traffic. Via the certificate dashboard and notifications, security and network engineers can readily determine when certificates are going to expire. They can also identify when servers are publishing insecure sessions. The platform can recognize the specific certificate versions in use, highlighting outdated and insecure protocols, so your teams can take appropriate action.

Key Benefits Include:

- **Proactive Monitoring:** Real-time analysis, reporting, and notifications keep you ahead of certificate expiration.
- **Enhanced Security Insights:** Obtain a clear view of the SSL or TLS versions in operation, enabling swift retirement of outdated or insecure protocols.
- **Uninterrupted Service:** By identifying and remediating certificate-related issues, potential outages are averted, ensuring a seamless user experience.

Use Cases

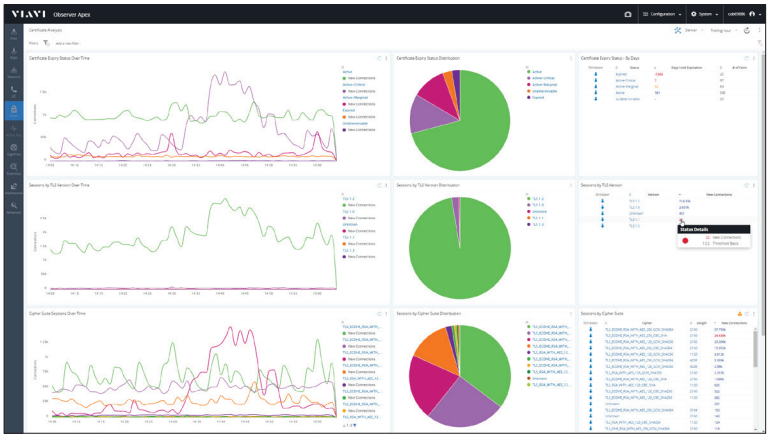
For Network Engineers and administrators, ensuring uptime and customer satisfaction is essential for delivering web-based services. Shifting from manual reporting methods like spreadsheets to proactive certificate analysis simplifies the process, protecting your company against certificate-related outages.

- **Certificate Expiration Analysis.** Understand when certificates that are hosted on servers in your environment are going to expire.
- **Identify Insecure Communication.** Clearly identify servers that are publishing insecure sessions along with the corresponding TLS version details. Find servers running a specific version of TLS and document the associated services and the clients that are accessing them.
- **Compliance Validation.** Observer's Certificate Analysis allows teams to ensure compliance with industry and corporate standards and security best practices. Network and security engineers can quickly see client-server conversations by TLS version and Cipher Suite, documenting and proving appropriate certificate use.

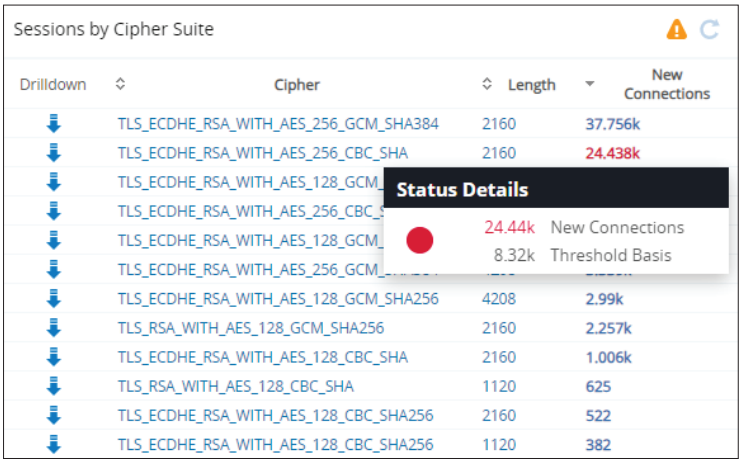
Experience Next-level Network Observability and Security

In the digital landscape, trust is paramount. Ensure that trust is validated and kept by continuously monitoring and analyzing your network's digital certificates with VIAVI Observer.

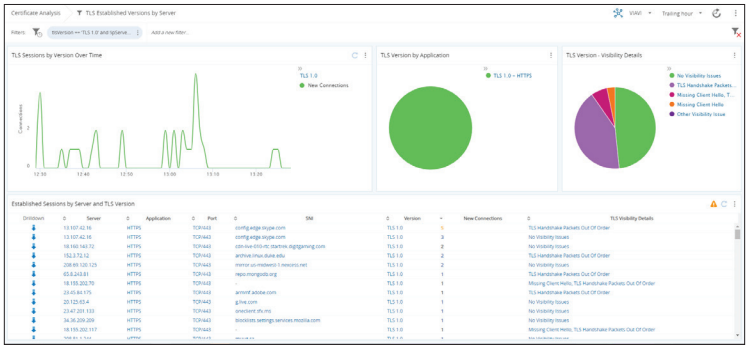
Stay ahead of your digital certificates. Establish trust and compliance and prevent outages with VIAVI.



Observer's Certificate Dashboard provides an at-a-glance summary of certificate use and expirations



Cipher Suite analysis provides details on the algorithms being used to secure connections



Filtered drilldowns provide answers to specific questions, e.g., which servers use TLS 1.0

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