

NIST SP 800-53 & TENABLE

Streamline Technical Controls

Most U.S. federal information systems must base their security and privacy controls in NIST Special Publication (SP 800-53v4, *Security and Privacy Controls for Federal Information Systems and Organizations*). However, compliance is not limited to the federal government. Many other organizations are required to comply with SP 800-53. For example, California's State Administrative Manual requires state agencies, departments and offices to use NIST SP 800-53 in the planning, development, implementation, and maintenance of their information security programs.

CHALLENGES OF IMPLEMENTING, ASSESSING & MONITORING 800-53 TECHNICAL CONTROLS

FIPS Publication 199, *Standards for Security Categorization of Federal Information and Information Systems*, and NIST SP 800-37, *Guide for Applying the Risk Management Framework to Federal Information Systems*, inform organizations as they select, tailor, implement and obtain assurance evidence for controls from the SP 800-53 security control catalog.

Most of the SP 800-53 controls can be categorized as being either administrative or technical. Administrative controls are typically implemented with processes and/or procedures and are often assessed with questionnaires or interviews. Technical controls typically interact directly with information systems and must be implemented and assessed with security technology. Both administrative and technical controls are challenging. However, technical controls present unique challenges discussed below:

Tools to automate controls: Due to the potentially high data volume, you must automate technical controls, and automation requires multiple data acquisition technologies to continuously monitor desktops, laptops, servers, on premises applications, SaaS applications, network devices, and the like. The diversity of monitoring targets often results in multiple, discrete tools.

Integration among tools: Multiple, discrete tools operating independently cannot deliver best results. A simple example is that security tools may send event to log management products. A more complex example is a tool that detects a new device when it connects to the network should be able to trigger an immediate vulnerability scan and configuration assessment of that device.

Unified reporting: Tool integration does not guarantee unified reporting. Staff resources are frequently squandered playing the spreadsheet game where someone who understands the data must reconcile it, analyze it and then present it to various stakeholders.

Ongoing Security Assessment: Obtaining initial authorization to operate is merely a good start. However, most networks are highly dynamic, so you cannot rely on periodic snapshots to safeguard covered information. You must also monitor security controls on an ongoing basis to ensure their continued effectiveness. When you discover inevitable weaknesses, you must communicate them.

AUTOMATE CONTROL MONITORING & ASSESSMENT

Tenable.sc (formerly SecurityCenter) enables you to measure, visualize and effectively communicate adherence to many SP 800-53 technical security controls. It achieves this by automating their operation and monitoring, and performing assessments to ensure they have been implemented correctly, operating as intended, and producing the desired outcome.

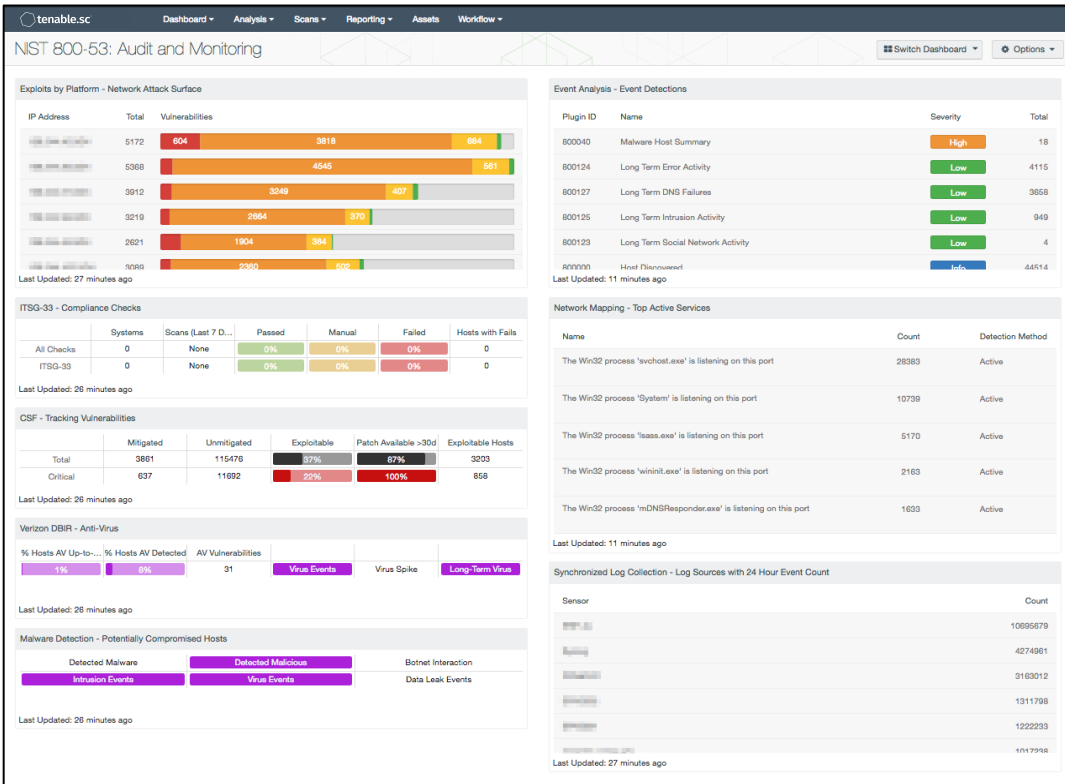
Tenable.sc will fit your specific needs. It delivers broad and continuous coverage across your entire environment, including physical, cloud, virtualized and mobile systems used in IT and industrial control networks. Dynamic asset lists enable you to logically segment, manage and report on the status of specific systems, such as those used for specific missions or business processes. Intelligent connectors to your existing security products audit configurations and analyze events to identify weaknesses in the controls.

MONITOR, ASSESS & COMMUNICATE

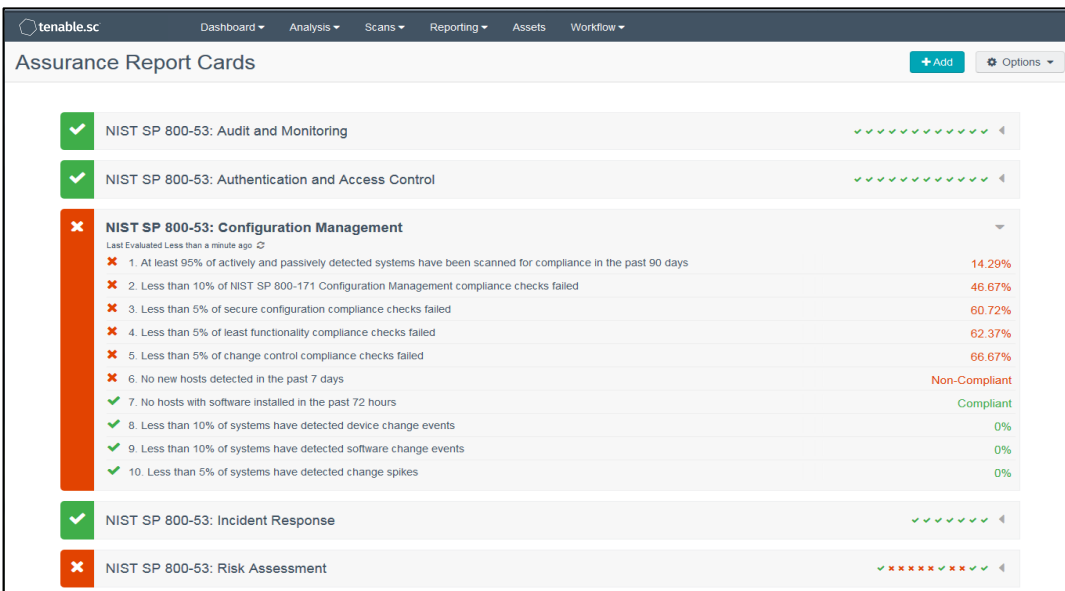
Information system owners, authorizing officials, and security control assessors are now scrutinizing security more than ever. You must provide them with the information they need, when they need it, without spending your time manually analyzing and summarizing data.

Tenable.sc provides fully customizable reports, dashboards and Assurance Report Card (ARC) templates—all out-of-the-box. You can use them “as-is” or quickly and easily tailor them to meet your specific security and business needs. For example, you can tailor dashboards for specific assets or business systems.

Tenable reports, dashboards and ARCs demonstrate adherence with security controls to stakeholders that may have the right to assess your security.



Interactive dashboards consolidate information that you can quickly drill into



Assurance Report Cards present security status at a high level for non-technical audience

ARCs complement the Tenable comprehensive data collection approach, which uses a combination of active scanning, agent scanning, intelligent connectors to your third-party systems, passive listening and host data monitoring to assess the protection status of your complete infrastructure. Together, these capabilities enable you to:

- Measure, visualize and effectively communicate the technical security controls that help you manage risk
- Communicate security status to information systems owners and other stakeholders
- Understand the context you need to prioritize remediation

TENABLE.SC SP 800-53 CAPABILITIES

- **Conformance Assessment** – Automate the assessment of many NIST SP 800-53 technical controls to determine if they are implemented correctly, operating as intended and producing the desired outcome
- **Continuous Monitoring** – Benefit from both active and passive monitoring to ensure all stakeholders have real-time visibility into your security posture
- **Complete Coverage** – Gain continuous visibility across your IT networks and industrial control systems, including physical and virtual infrastructure, cloud and mobile environments
- **Assurance and Reports** – Use customizable reports, dashboards and Assurance Report Cards to evaluate and communicate security status

ABOUT TENABLE

Tenable[®], Inc. is the Cyber Exposure company. Over 24,000 organizations around the globe rely on Tenable to understand and reduce cyber risk. As the creator of Nessus[®], Tenable extended its expertise in vulnerabilities to deliver the world's first platform to see and secure any digital asset on any computing platform. Tenable customers include more than 50 percent of the Fortune 500, more than 25 percent of the Global 2000 and large government agencies. Learn more at tenable.com.

For More Information: Please visit tenable.com
Contact Us: Please email us at sales@tenable.com
or visit tenable.com/contact