NIST 800-30 IT RISK ASSESSMENT AUTOMATION

Ignyte Assurance Platform: Simplifying NIST 800-30 Workflows – Assisting organizations to create an environment with reduced errors, improved efficiencies, and minimizing management costs over time

OVERVIEW

Risk assessments are an important part of cybersecurity. Most organizations use the National Institute of Standards and Technology (NIST) 800-30 Guide for Conducting Risk Assessments as the go-to standards for performing risk assessments. Government agencies have historically used the guide, but more and more commercial entities in the private sector are also adopting it to develop strong risk management programs as well. Using the guide for risk assessments would benefit organizations seeking to better understand their risk profiles or those associated with government work.

NIST 800-300 risk assessment also benefits organizations in ensuring they align and comply with the Federal Information Management Act (FISMA). It provides a framework for managing risks, and this indicates the organization's commitment to observing sound and industry-accepted security practices.

NIST 800-300 results assist organizations in implementing programs they can use to identify and remediate risks continuously. Notwithstanding, it enables a company to lay a groundwork to be used for developing key risk indicators. However, as the process can be an uphill task for organizations to implement manually, the Ignyte platform automates all the nine steps in the NIST 800-30 workflow and automates the executive management risk dashboards to allow organizations to make well-informed decisions.

OUR SOLUTION

Ignyte Assurance Platform assists you in managing and addressing the risks present in your enterprise effectively. The solution helps you achieve this goal by automating NIST 800-30 workflows that comply with various industry frameworks, among them, being HIPAA, PCI DSS, NIST, RMF, FISMA, FedRAMP, and SOX. Our platform handles all risk management processes enabling your organization to focus on other important business processes.
The Ignyte Assurance Platform for NIST 800-300 can be used by:

- DoD subcontractors and contractors
- Organizations that are yet to establish programs for managing risks
- Businesses seeking to comply with comprehensive standards/regulations

Also, the Ignyte Assurance Platform enables businesses to focus on the nine risk management steps stipulated in the NIST 800-300 publication. This not only enables organizations to create adequate risk management strategies, but it also assists them to comply with all the necessary regulatory compliance needs. The steps are as highlighted below:

- System Characterization
- Threat Identification
- Vulnerability Identification
- Control Analysis
- Likelihoovd Determination
- Impact Analysis
- Risk Determination
- Control Recommendations
- Results Documentation

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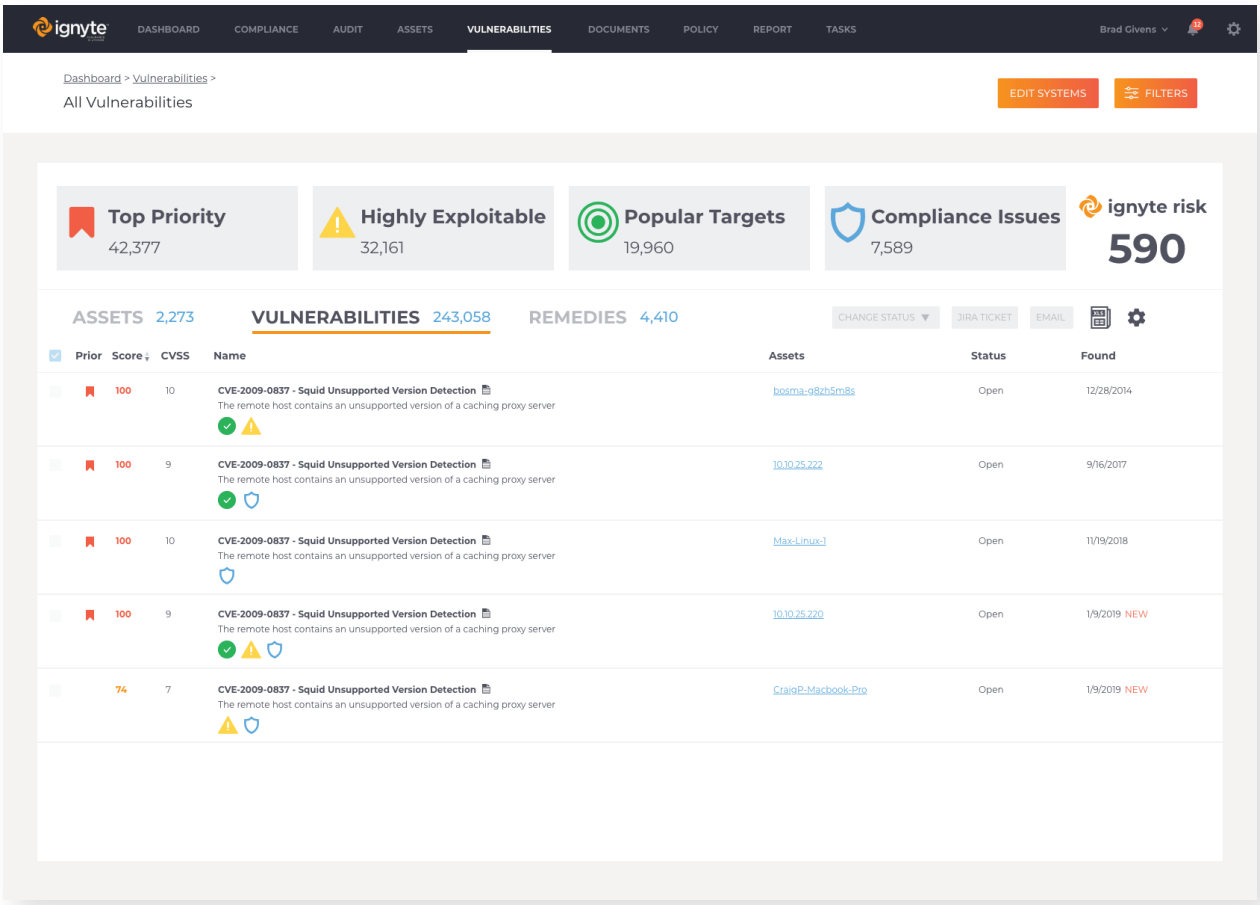
IGNYTE ASSURANCE PLATFORM™



OUR APPROACH

Ignyte engineers have a vast experience in all NIST based assessments but focus more on NIST SP 800-30, NIST 800-60, and NIST 800-53. With this knowledge, we strive to ensure your organization is compliant with all NIST regulations. In all our processes, we adhere to NIST 800-30, NIST 800-60 *(Guide for Mapping Type of Information and Information Systems to Security Categories) and NIST 800-53 (Security and Privacy Controls for Federal Information Systems and Organizations)*

The following steps characterize our risk management approach:

i. **System characterization:** We characterize IT systems based on the confidentiality, availability, and integrity of data at rest and in transit within organizational information systems. Through the NIST 800-60 for mapping information systems and data types to respective security categories, Ignyte Platform uses natural language processing and machine learning algorithms to automatically identify the scope and purpose of risk
ii. assessments.
Threat Identification: Ignyte Platform obtains threat intelligence from at least 20 different providers and uses it to identify threat sources. Also, the platform can assist organizations in creating unique threat scenarios through drawing threat models that apply to a business's network topology.
iii. **Vulnerability identification:** The platform allows organizations to identify threats early. As a result, they can identify vulnerabilities present in information systems and the organization's IT ecosystem. The ignyte platform also has capabilities for integrating an organization's Configuration Database Management tools and tools for managing vulnerabilities. It also detects susceptible processes that must be considered in a risk assessment exercise.
iv. **Control Analysis:** The Ignyte Assurance Platform provides a robust set of controls libraries for any framework (NIST 800-53, FedRAMP, DFARs, SOX, HIPAA, FFIEC).
Likelihood Determination: Ignyte Platform will allow your organization to create inherent and residual risks for every IT asset.
v. **Impact Analysis:** Ignyte Assurance Platform leverages additional guidelines like NIST 800-60 to automate a CIA-based impact analysis.
vi. **Risk Determination:** Ignyte automates the risk register, and this ensures the necessary personnel within an enterprise are aware of the risks and prioritizes them accordingly to guide the decision-making process.
Control Recommendations: As the organization registers a system into the Ignyte Platform and categorizes the Information System, the Ignyte Platform will auto-populate a set of controls based on the CIA categorization for any industry framework.
vii. **Results Documentation:** Ignyte platform follows guidelines provided by the NIST 800-37 (Applying Risk Management Framework to Federal Information Systems) to auto-populate important documents. Such include System Security Plan, Risk Assessment Report, Plan of Action and Milestones and Security Assessment Report. Ignyte locates control gaps and provides results for reducing risks before the reports are presented to the executives.

Ignyte firmly believes that meeting complex regulatory and industry standards is a continuous process. The process requires a business to allocate financial and human resources to ensure that it is always complaint in an environment where new security requirements emerge every day. As such, Ignyte provides security-centric guidance to ensure our clients access advanced security. This saves the need for investing in expensive cybersecurity teams and internal controls. We guide your organization in continuous assessments, risk monitoring, and security improvement processes.

OUR BENEFITS

- **Reduced compliance burdens:** Ignyte Compliance Management and Oversight model provides your organization with a powerful workflow feature and integrates all platform modules and third-party applications. This is to automate processes related to compliance. We have experienced professionals with a deep understanding of your specific industry. You can collaborate to streamline compliance efforts.
- **Executive Insight:** Ignyte provides you with real0time dashboards and reports. They are designed to provide compliance insights at the executive level, and they consist of granular metrics for compliance and audit professionals. We also provide resources for NIST compliance requirements to guide you during the compliance process.
- **Track Ongoing Compliance:** We mitigate all risks and potential compliance violations within your organization. Changes in your organization's internal environment will trigger alerts ensuring you are up to date with ongoing compliance
- **Tailored solution:** Our approach is independent of any vendors allowing us to offer our customers in-depth services and recommendations customized to ensure you achieve the desired ROI.

WHY IGNYTE?

Are you a business struggling to develop an effective risk management strategy/program? Ignyte professionals have the necessary expertise needed to prepare your enterprise to prevent security incidents. We provide solutions where your business faces contract termination or stop work order due to noncompliance. Contact our experts for free compliance consultations.

Get Started Now!

Give us a call to setup a demo today at https://ignyteplatform.com/request-a-demo/

REQUEST A DEMO

ABOUT IGNYTE ASSURANCE PLATFORM

Ignyte Assurance Platform™ is a leader in collaborative security and integrated GRC solutions for global corporations. For corporate risk and compliance officers who depend heavily on the protection of their resources, Ignyte is the ultimate translation engine for simplifying compliance across regulations, standards and guidelines. The Ignyte platform is used by leading corporations in diverse industries; such as, Healthcare, Defense, and Technology. Ignyte is headquartered in Miamisburg, Ohio and can be reached at **www.ignyteplatform.com**. PH: **1.833.IGNYTE1 or (937) 789-4216**