

## Automated A&A Control Assessment

### BENEFITS

**Increases speed of A&A**

**Realtime visibility** of risk and compliance

**Continuous Monitoring** of NIST and custom controls

**Eases burden** on understaffed teams

**Presents single pane of glass** for all evidence and artifacts

**Captures workflows** for time and event-based assessments

**Reduces costs & resource requirements** through automation of evidence gathering

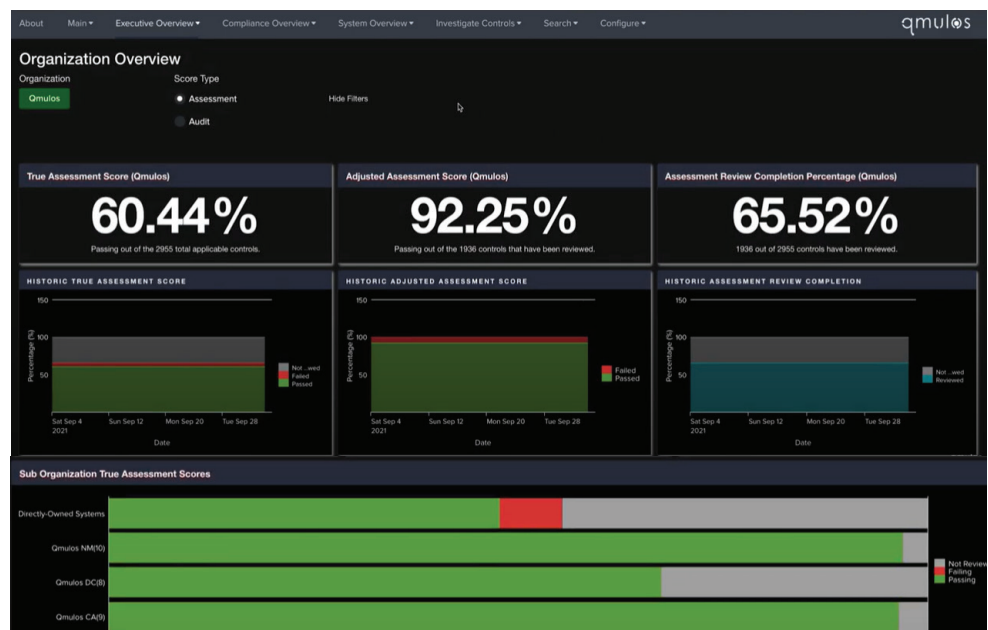
**Reduces security risks** – improvement of overall security posture

Cybersecurity teams are commonly understaffed but still expected to conduct full NIST compliant Assessment and Authorization (A&A) audits every year on every system. Pernix Consulting's CyberPX process helps solve that problem by providing a method to automate the time intensive A&A evidence gathering steps, increasing an organization's security posture and the speed of the entire A&A process.

CyberPX is a process solution that leverages and integrates COTS software to provide a real-time view into your organization's security posture. The continuous monitoring capability can leverage data from your existing monitoring systems and visualizes security compliance against NIST controls. Security controls are regularly updated to continuously meet current NIST standards for up-to-date security compliance. To give a 360-degree view, CyberPX also allows custom control development. This enables your organization to monitor additional agency level security controls incorporated into the CyberPX dashboards.

Alleviating the burden of understaffed teams, CyberPX is built to automate A&A assessment allowing assessors to focus on auditing security compliance, not chasing documentation as required manual processes. In addition, once controls are automated performing A&A assessment occurs at the click of a button, reducing the need for assessors to perform time sensitive system audits in unrealistic timeframes.

The CyberPX methodology allows users to collect data for disparate monitoring systems, normalize that data and visualize compliance. Our continuous monitoring alerts assessors to system changes and facilitates immediate identification of the security risk and non-compliance for resolution.



\*Image courtesy of Qmulo's

## Example Scenario

**THE SYSTEM:** An organization's realtime data analytics system has 261 controls. 209 of those controls are technical.

**CURRENT PROCESS:** The current manual process A&A process per controls is 4 hours over a 5 month period. This process must be repeated during each annual A&A process. Over a three year period, this part of the process will take 2,508 hours of work.

**USING THE CYBERPX PROCESS:** For each of the 209 controls, there is an initial 2 hour automation set-up process. After the initial setup, it will take ZERO hours to perform the evidence gathering for each of the controls during each annual A&A process. Over a three year period, this part of the A&A process will take only 418 hours of work - a **>80% time reduction**.

MANUAL A&A STEPS		
	Initial A&A	Ongoing A&A
Evidence gathering of technical controls for a single moderate system	209 * 4 = 836 hours over a 5 month period	836 hrs Over 5 months
Total hours spent gathering evidence over 3 years	<b>836 * 3 = 2,508 hours</b>	

AUTOMATED A&A		
	Initial A&A	Ongoing A&A
Evidence gathering of technical controls for a single moderate system	209 * 2 = 418 hrs Under 3 months	0 hrs No delay
Total hours spent gathering evidence over 3 years	<b>418 hrs</b>	

### FEATURES

**Continuous Monitoring of Security Posture**  
– Technical controls automatically gather evidence

**Supports Government Standards:** NIST 800-53, FedRAMP, CMMC, CDM, SOX, PCI DSS, HIPAA, and more.

**Custom Control Creation** – Allows users to create and monitor custom security controls.

**Fast, seamless integration** with existing system monitoring infrastructure

Plug-ins to export the entire A&A package to any system.

**Automation of evidence gathering**

NIST Subscription **automatically updates** controls when changes to standards are made.