NowSecure Automated NIAP Mobile App Vetting Solution

One Portal, Purpose-Built for Integrated NIAP Mobile App Security and Privacy Testing for Federal Compliance

"Mobile apps are critical to enabling the Air Force to meet our mission around the world. We are excited to partner with the experts like NowSecure to bring automated mobile app security testing and NIAP compliance into our BESPIN program. This new capability can help the Air Force, DoD and federal agencies confidently unleash more widespread development and use of mobile apps. From the SBIR award a year ago to shipping products today, we are achieving our goals of moving fast with continuous innovation."
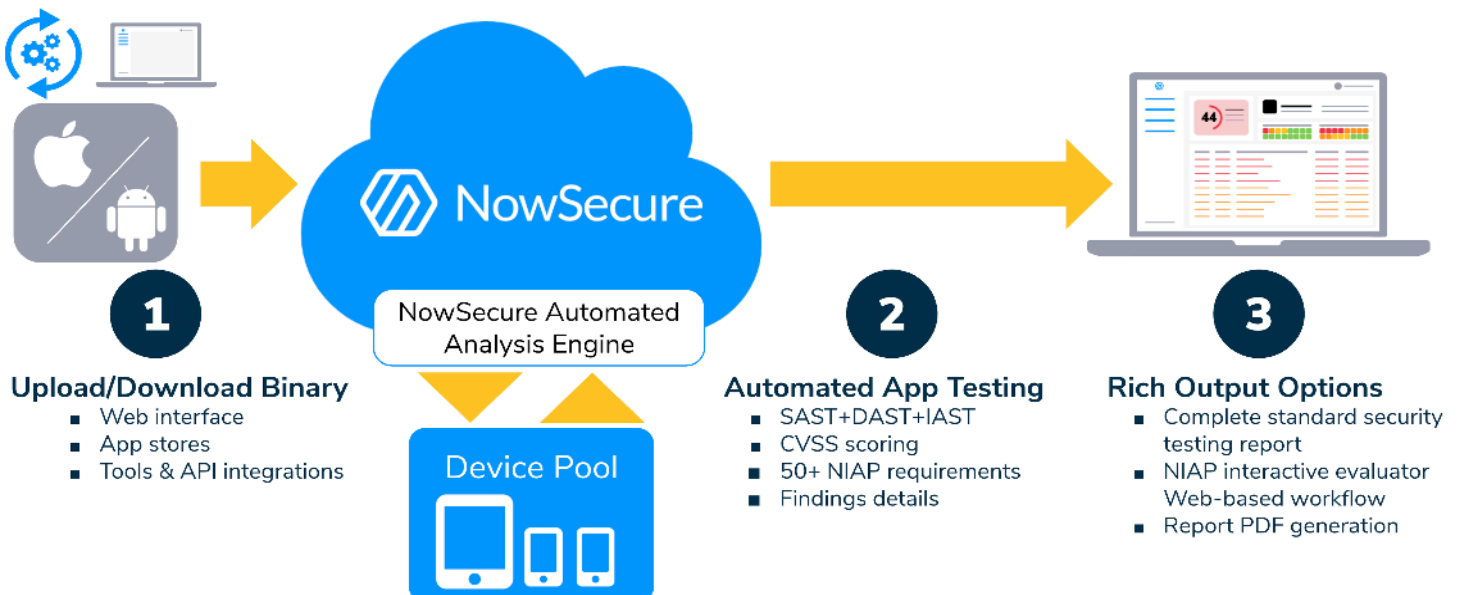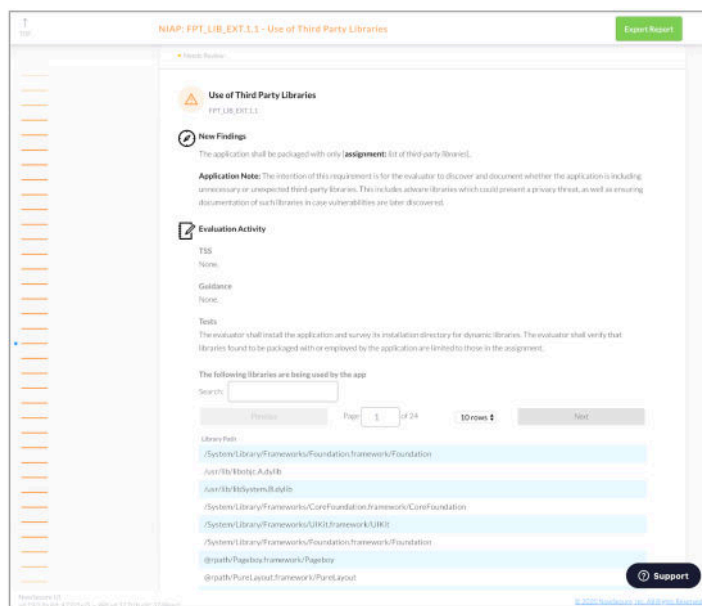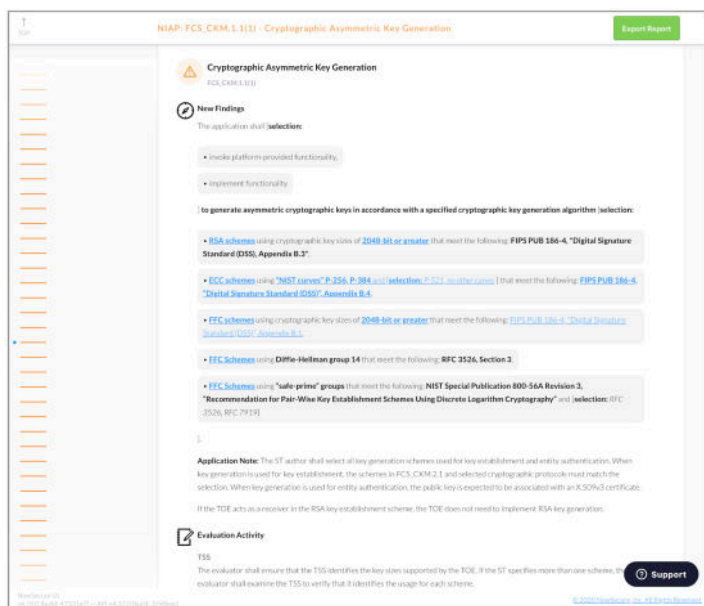
Captain Michael Valentin
Air Force BESPIN Operations & Support Service Manager

NowSecure NIAP Mobile App Vetting is an easy-to-use software solution for mobile app developers and security teams to test and self-assess for NIAP v1.3 compliance and streamline the effort involved in obtaining an Authority to Operate (ATO). This solution enables U.S. federal agencies, U.S. Department of Defense (DoD), federal suppliers and service providers to rapidly test for NIAP compliance to speed production deployments of critical mobile applications.

NowSecure NIAP Mobile App Vetting Solution for Federal Highlights

- Coverage of all 51 NIAP v1.3 Mobile App Vetting Requirements
- Interactive Self-Assessment Workflow
- Simplified Generation of ATO-Ready Report
- Test Pre-Prod and/or Published iOS & Android Binaries

- Testing on Real Mobile Devices
- CVSS-Standards-Based Security Score
- SDLC Plugins & Restful APIs
- Role-Based Access Controls
- Near Zero False Positives
- Monitoring & Alerting Options
- Expert Professional Services

1 Upload/Download Binary
- Web interface
- App stores
- Tools & API integrations

NowSecure Automated Analysis Engine

Device Pool

2 Automated App Testing
- SAST+DAST+IAST
- CVSS scoring
- 50+ NIAP requirements
- Findings details

3 Rich Output Options
- Complete standard security testing report
- NIAP interactive evaluator Web-based workflow
- Report PDF generation

NIAP Assessments

Through a single fully automated mobile app security and privacy test cycle, NowSecure Platform delivers two distinctly formatted assessments. First, the security assessment view is used by security and dev teams to identify and fix core security and privacy issues. Second, as shown in the screenshots above, the NIAP assessment view provides interactive review of all 51 requirements to complete the NIAP compliance assessment and then generate the properly formatted report for ATO. In this way the dev and security teams can find and fix core security and privacy issues to then speed up the NIAP compliance analysis phase.

NIAP Testing Scenarios Use Cases

The NowSecure NIAP Mobile App Vetting solution can be used in multiple ways:

- To test mobile apps developed by agencies, by suppliers, by integrators or downloaded from public sources including the Apple App Store™ and Google Play™.

- To test as part of a DevSecOps mobile app development lifecycle, either on-demand or integrated into CI/CD pipelines like Jenkins, CircleCI or Azure DevOps to security test every build every day, pushing results via API integration into issue ticketing systems, like Atlassian Jira or Github, or third-party vulnerability dashboards, like Brinqa or Code DX. Once the mobile app development and security testing is completed,
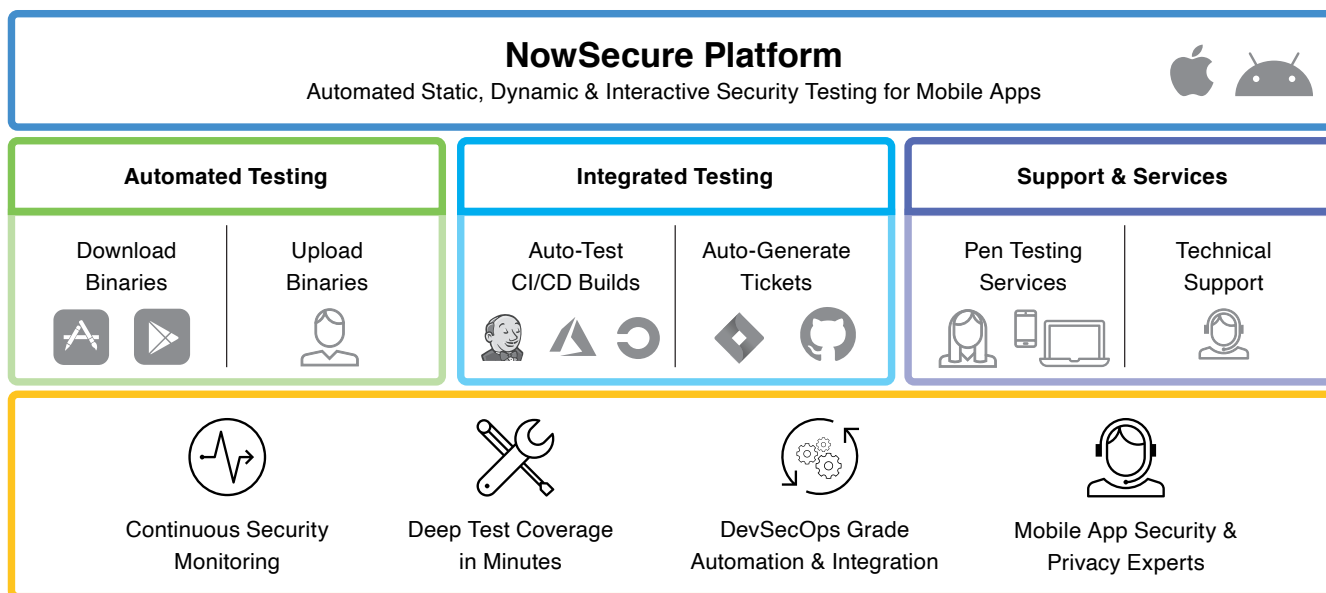
the NIAP assessor can speed through the results even faster by exporting the Self-Assessment Reports in PDF formatted for the ATO process.

- To inventory the mobile apps population via MDM/EMM already deployed on an agency's network and be used to scan for NIAP compliance across the existing mobile app deployment to give a more complete view or risk.

About NowSecure Platform

Purpose-built for mobile-centered Agile and DevSecOps programs, the solution provides fully automated static, dynamic and interactive security testing, which can be integrated directly within the mobile app software development lifecycle (SDLC). The solution is customizable and flexible, empowering mobile app security and development teams to:

- Scale security by executing rapid automated static, dynamic and interactive analysis of Android (.apk) and iOS (.ipa) binaries on real devices, completing full-coverage assessments in minutes.

- Maximize visibility across teams, with multiple ways to upload binaries and publish test results to keep everyone on the same page and surface info within the tools they know best.

- Connect directly to NowSecure mobile app security and privacy experts who can answer questions and provide expert pen testing services when needed.

NowSecure Platform
Automated Static, Dynamic & Interactive Security Testing for Mobile Apps

Automated Testing

Download Binaries	Upload Binaries

Integrated Testing

Auto-Test CI/CD Builds	Auto-Generate Tickets

Support & Services

Pen Testing Services	Technical Support

Continuous Security Monitoring

Deep Test Coverage in Minutes

DevSecOps Grade Automation & Integration

Mobile App Security & Privacy Experts

Testing Methodology

A key differentiator of the NowSecure Analysis Engine is the ability to execute pen testing-strength automated dynamic/interactive security and privacy testing on real mobile devices, not emulators. The NowSecure testing engine uniquely combines Interactive Application Security Testing (IAST), Dynamic Application Security Testing (DAST), and Static Application Security Testing (SAST). DAST instrumentation hooks at the mobile OS kernel level to drive external attack scenarios and analyze how an app interacts with the device, network and backend APIs from the "outside in." IAST instruments an app from the "inside out" to inspect the app, data and control flows. And rounding out the trifecta, SAST instrumentation tests an app binary post-compilation to discover vulnerabilities in third-party libraries, frameworks, configuration and permissions. Only NowSecure delivers these capabilities in one unified mobile appsec testing platform.

Automate. Scale. Accelerate.

NowSecure Platform is tailored to meet the unique needs and complex infrastructure of modern mobile SDLC programs, providing mobile app security and privacy solutions that are continuous, customizable, accurate, and keep pace. Testing at scale enables enterprises, federal agencies, federal suppliers and service providers to meet rapidly evolving mobile needs while helping build bridges across teams accountable for the success of mobile development, security, and compliance programs. Given time and resource constraints, the NowSecure Platform provides organizations the ability to rapidly deploy repeatable mobile app security programs with measurable results.

Speed ATO with NowSecure NIAP Mobile App Vetting

Compress months of complex testing and documentation into just a day or two of work at a dramatically lower cost. Book a demo to see the solution in action!

Book a Demo:
bit.ly/NIAP-Mobile

NowSecure

Only NowSecure delivers fully automated mobile app security and privacy testing software with speed, accuracy and efficiency for Agile and DevOps initiatives. Through static, dynamic and interactive mobile app security testing on real Android and iOS devices, NowSecure identifies the broadest array of security threats, compliance gaps and privacy risks. NowSecure customers can choose automated software, expert professional penetration testing and managed services, or a combination of all as needed. As trusted security experts, NowSecure is SOC2 certified and positioned as the worldwide leader twice in 2019 IDC MarketScapes for Mobile Application Security Testing.