NOBLE
FIELD EFFECT™

Security Testing Built by Security Professionals

Noble - a flexible and effective software testing and simulation framework

ABOUT FIELD EFFECT SOFTWARE

Field Effect Software is headquartered at Lansdowne Park in Ottawa, Canada. We are leaders in the development of network application solutions, low level systems development, and cyber security analytics. Our solutions are trusted by major organizations worldwide and our team is a unique mix of deeply skilled security professionals, software developers and analysts with a passion for innovation.

Our mission is to strengthen the IT security operations of large enterprises and small to medium sized businesses alike.

WHAT IS NOBLE?

Noble is a flexible, highly effective software testing and simulation framework designed for large scale software and IT security assurance testing teams and is a key part of our Cybersecurity Suite.

The Noble architecture is designed and built to be:

» Flexible, intuitive and composable
» Open, with standards-driven communication, logging and data-access layers
» Event-driven with a multi-phase and reproducible approach to the provision-test-report cycle
» Virtual and physical hardware compatible throughout, including mobile devices
» Multi-platform and extensible with a published API
» Modern web interface, with cloud or on premise deployment options

Noble is developed by a world-class team of security experts for the security industry, with an eye to facilitating single and multi-node test scenarios at scale, with strong automation of hardware, OS and application provisioning (setup, configuration, and teardown) while maintaining a high degree of availability and reliability.

THIRD PARTY INTEGRATION

We know your organization is unique. Our software is built to integrate into your existing enterprise workflows. Applications like AutoIT, Selenium, Robot and Jira to name a few, are easily integrated complements. Noble provides a rich variety of built-in facilities for test creation and automation ranging from pre-packaged Python "snippets" to full-featured Action Scripts, offering specific "in test" functionality such as starting a process on a test node, through to orchestration of complex multi-node test conditions using the full breadth of capabilities in Python and our test node agents.

FIELD EFFECT™
SOFTWARE

HOW NOBLE WORKS

Noble is designed with the principal that a system under test should not be limited by the testing system. Accordingly, Noble is unparalleled at provisioning a reliable test environment, which simulates real world conditions, using a combination of virtualized and bare metal systems (including mobile devices). Noble provides a consistently reproducible test environment, critical to effective security and regression testing.
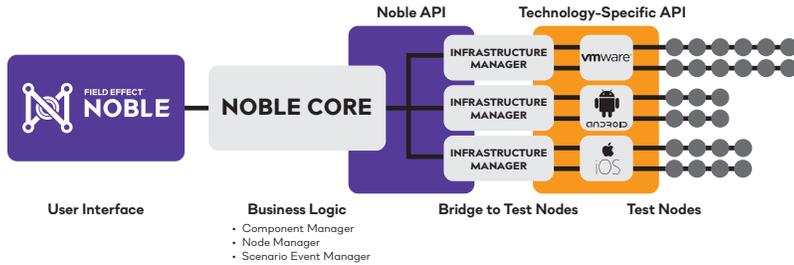
Noble consists of the User Interface (web UI), the Core which implements business logic, and one or more Infrastructure Managers depending on the platforms required. Infrastructure Managers bridge the Core framework to the specific test nodes, for instance with VMWare vCenter, Android, iOS, etc. This architecture allows for consistent test and business logic, independent of the actual system under test, as well as the ability to expand the system to support any type of infrastructure that provides an API, giving you and your team incredible power and flexibility.

	Noble	Jenkins | Bamboo	eggPlant
Artifact-free Environment	✔		
Automated Application Installation	✔		
REST API for automation	✔		
Dependency-free Agents	✔	✔	✔
Integrates with Community Test tools	✔		?
Mobile Support	✔	✔	✔
Simple/Unit Testing	✔	3rd Party	✔
Expert-level Test Scenarios	✔	✔	✔
Multi-Node Test Scenarios	✔		?
Custom Report Builder	✔		
Designed for Security Testing	✔	?	?
Mobile Device Lab Health Monitoring	✔	?	?
Custom Development	Available, Confidential	Open Source	?
Support	Enterprise-level & *support. fieldeffect.com*	Community	?

WHY NOBLE?

Noble enables modern security assurance and testing organizations to perform vulnerability scanning, penetration testing, source code or run-time analysis in environments that simulate the real world with incredible power.

Noble supports Android and iOS integration including device interaction such as keypress, taps, swipes, text, integrated debug logging, app provisioning and control, screenshot retrieval and device restart/lock/unlock, and can integrate with modern offline cell management such as OpenBTS. Noble is developed with interoperability, reliability and extensibility as priorities, and is unique in the market in this respect.
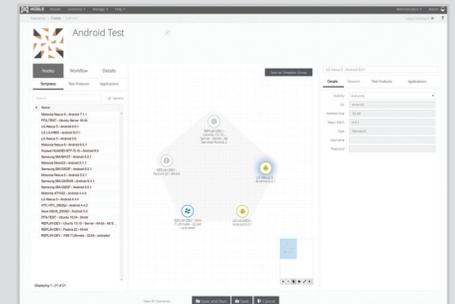
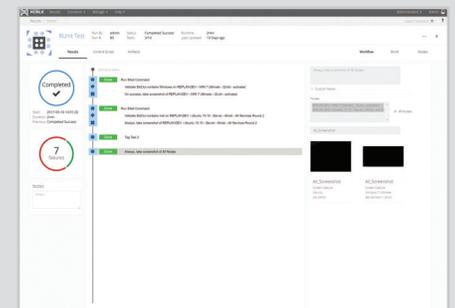

Figure 1: Drag and Drop Test Build and Configuration

Figure 2: Intuitive Visualization of Test Execution and Results

Want to learn more about Noble?

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