QINETIQ

QinetiQ Cyber Mission Solutions

Integration of Cyber Operations, Development and Test

We integrate cyber operations, Computer Network Exploitation (CNE) development, and cyber capability assessment from requirements inception to operational use. By bringing these normally disparate parts of the overall CNE workflow together, we help organizations realize significant efficiencies in delivering quality products to operations. All three stakeholders can leverage the IronCity DART framework and our other automation capabilities to support their specific requirements and reuse components created by each other to avoid redundancies. This removes the older approach of a waterfall workflow environment and allows for faster delivery of operational products with a higher level of confidence and increased reliability metrics on the delivered products to operations.
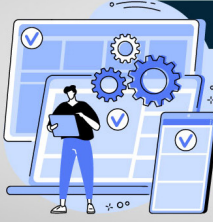
Automation Capabilities

IronCity DART is a highly scalable, extensible system that enables software testers to develop Python scripts to quickly test a software tool against many (thousands) of Virtual Machine (VMs) instances in an automated fashion. Many Operating System versions are supported (currently Windows, Linux, and MacOS with continued expansion) as well as USB devices (thumb drives, mobile phones, etc.). Future support for network switches, routers, and other non-traditional Operating System devices is planned.

IronCity DART Support Services

Our support services include functional evaluation of software through Test Script Automation utilizing the IronCity DART framework. We customize our services based on specific customer needs and we automate testing to ensure functionality and identify any potential bugs or issues. Instead of a single developer testing one system manually, our IronCity DART Support Services run hundreds of iterations of complete test plans covering required functionality increasing the accuracy of our assessments/evaluations. IronCity DART provides many advantages to the customer: efficiency, quick response time and the expansive capability to test a variety of operating systems and device types.

There is also a Cloud based IronCity DART capability (CBAS), which runs on public cloud infrastructure and scales with customer demand. This also enables the ability to run on sovereign and govcloud deployments as well. CBAS can also incorporate on-prem resources such as IoT, embedded, and mobile devices. Resources can also be had 'as-a-service', where our team procures, configures, deploys, and works with the users to ensure success.

LEVERAGE IRONCITY DART FRAMEWORK

VM Environment Spin Up
- Ad-hoc (Manual)
- Available Resources (1,000)
- Quick Setup

Test Script
- Full Tool Chain
- Functional
- Regression

Efficiency of Process • Historical Knowledge • Standardization • Utility = Reusable Code • Modular

About Us

QinetiQ US is a leading defense and security company in the United States providing mission-led innovation at pace. QinetiQ US is a provider of technologically advanced services and products to the US Department of Defense and national security agencies, positioned to deliver key aspects of the modernization required to address our customers' pivot to counter near peer adversaries. QinetiQ's engineering services span the DoD and Intel community providing subject matter expertise in the areas of communications, sensor integration and research and development, survivability and unmanned ground combat systems.

QinetiQ US operates as the U.S. arm of QinetiQ Group plc (QQ.LSE), an integrated global defense and security company focused on innovation for defense, security and civil customers. QinetiQ US employees are based predominantly in Virginia and Massachusetts and operate under a Special Security Agreement (SSA) with the U.S. Defense Counterintelligence & Security Agency (DCSA). QinetiQ US is creating new ways of protecting what matters most; testing technologies, systems, and processes to make sure they work as expected; and enabling customers to deploy new and enhanced-existing capabilities with the assurance they will deliver the outcomes required.