

# SyBard® Cross Domain Solutions

## Enabling Secure Information Exchange

### Why Cyber Security Matters

Cyber criminality threatens the economic prosperity of nations, and affects the profitability, share price and survival of multi-national corporations and small businesses alike. Cyber threats are rapidly evolving into credible cyber attacks and, increasingly, these involve the theft of sensitive intellectual property. Complex cyber exploits have reached epidemic levels and some organisations are recording up to 600,000 attacks against their public infrastructure each week.

The unremitting evolution of complex attack vectors is overwhelming today's organisations resulting in publicly leaked information and severe disruption to services and production. On average, companies experience 72 cyber attacks per week – costing them an estimated £22.2 million per year.

Advanced malware that exploits unknown vulnerabilities cannot be repelled solely by anti-virus and firewall systems, and necessitates a level of sophistication beyond the capabilities of current countermeasures.

QinetiQ understands cyber security. We know that reducing operational risk and avoiding reputational damage requires more action than basic regulatory compliance. QinetiQ has a 30-year pedigree in offering holistic security solutions and, with a reputation as a trusted partner, delivers integrity-driven security innovation to Government, Critical National Infrastructure, and Enterprise.

### SyBard® Cross Domain Solutions

All organisations have a business need to exchange information with the outside world. Unfortunately, each communication path provides a route for cyber attack. Whilst air gaps can be used to protect specific network enclaves, this solution lacks any efficient, controlled or auditable means of implementing even the most basic data transfer, and actually increases the risk of malware ingress and data leakage.

The QinetiQ SyBard® range of security products is designed to enable secure information exchange between network domains. Its strategy of 'defence in depth' not only protects business continuity and profitability from denial of service or the exfiltration of sensitive data, but can also identify and mitigate against Advanced Persistent Threats (APTs) and Zero-Day attacks.

SyBard® has an unrivalled track record in the delivery of accredited Secure Cross Domain Solutions, and its products are used extensively in the protection of the United Kingdom's National Infrastructure.

### SyBard® Services

#### Value at a Glance

- Expert cross-disciplinary team of Security Cleared Cross Domain Solution (CDS) specialists
- Comprehensive range of security products including multi-protocol guards, network diode appliances, patented protocol break interfaces, and secure platforms
- Innovative research and development for bespoke Cross Domain Solutions
- Custom-built security plug-ins
- Extensive 24x7x365 support facility located at a List-X site



## About QinetiQ Cyber

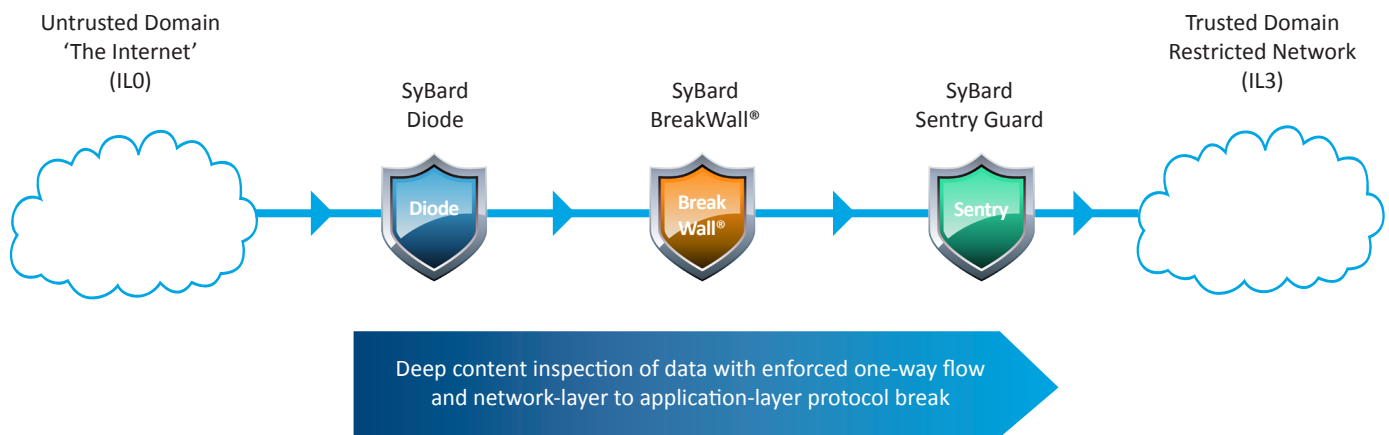
QinetiQ is a world leading provider of best-in-class Cyber Security solutions, services and advice. We specialise in providing holistic solutions covering people, processes and technology to help our customers achieve appropriate levels of security and enable them to manage risk, enhance corporate resilience and maintain competitive advantage.

QinetiQ draws on a unique heritage of providing security expertise to UK/US government to achieve high, mission-

critical levels of security for critical national infrastructure organisations, government and commercial companies all over the world.

Our cyber portfolio includes:

- Information Security and Assurance Consultancy
- Protective Monitoring
- Secure Hosting
- IT Security Health Checks
- Cross Domain Solutions



The SyBard® range of products can be combined to create secure architectures tailored to the business requirements and level of threat: from simple one-way enforcing Diode deployments with a TCP or file interface, through to bi-directional protocol break and deep content inspection.

This flexibility means that SyBard® deployments provide secure Cross Domain Solutions for a variety of use cases that meet the needs of network security architects and system accreditors.

A full deployment provides: enforced one-way data flow, a complete protocol break from Layers 2-7 of the OSI model (network-layer to application-layer protection), and deep content inspection of business data (in the form of HTTP Requests and Responses with binary payloads, XML with embedded base64-encoded binaries, email content with attachments, or simply file inspection).

### SyBard® Helps You

- **Protect** your IT infrastructure against malicious network attack.
- **Safeguard** sensitive information from criminal elements – both inside and outside your network – and accidental release.
- **Secure** information exchange between multiple network domains, maintaining data confidentiality and integrity.

### QinetiQ

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