

Byres Security teams with Juniper Networks to secure SCADA with Tofino® solution

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The Tofino Industrial Security group at Byres Security Inc. has teamed with Juniper Networks, Inc. to demonstrate how the emerging IF-MAP¹ standard from the [Trusted Computing Group](#) (TCG) can secure vulnerable SCADA systems.

Beginning today in the TCG booth at the [Forrester Security Forum](#), attendees will see live the world's first demonstration of legacy Supervisory Control And Data Acquisition (SCADA) equipment being secured using Tofino SCADAnet Endboxes with real-time policy driven from a Juniper Networks IC Series Unified Access Control Appliance serving as a Metadata Access Point (MAP) server².

SCADA systems, the brains of the world's critical infrastructures, such as electric generation and transmission, oil and gas production and waste and water utilities, have become a major security concern for government policy makers. The widespread interconnectivity of these industrial control systems with enterprise IT networks, combined with legacy systems that can't be patched due to operational considerations and protocols never designed for security, have become a potential soft target for attackers. Complicating the situation, most of these SCADA devices have little or no security capability on their own and will take decades to be replaced.

¹IF-MAP: Interface for Metadata Access Point – a standard client / server protocol developed by TCG for accessing information about network security events, users and devices from a MAP server

²MAP server: a server that supports the IF-MAP protocol and required functionality

The new IF-MAP-based SCADA security system allows corporate-wide security policy to be easily deployed for SCADA devices that simply don't know what security is. It lets the information driving these policy decisions be dynamically determined from a large number of real-time sources, like Active Directory servers, SCADA equipment positions or network security events.

SCADA security expert and Chief Technology Officer of Byres Security, Eric Byres notes:

"Controls engineers and IT security professionals have long had a love-hate relationship over how to secure SCADA and still leave the system reliable enough to provide critical services such as power or water 24x7x365. TCG's IF-MAP technology provides a solution that both parties can love – a robust security solution that can be used seamlessly with legacy SCADA equipment."

To see the demo, visit the Trusted Computing Booth, #104, at the Forrester Security Forum, Sept 10-11, at the Hyatt Regency La Jolla in San Diego, California.

About Byres Security Inc.

Byres Security Inc. (BSI) is a world leader in the field of industrial cyber security for critical infrastructure companies, including the oil and gas, power, chemical, and manufacturing sectors.

Its flagship product, the Tofino® Industrial Security Solution, is a unique hardware and software security system that provides Zone Level Security™ (ZLS™) – tailored, protection for zones of control devices. *Tofino* is simple to implement, does not require downtime, and takes care of security while focus is maintained on keeping processes running safely and efficiently.

For more information about BSI, please visit www.tofinosecurity.com.

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