IBM

IBM Internet Security Systems solutions for SCADA security

IT security problems should be solved through a combination of people, processes and technology.

Highlights

■ *Helps minimize the risks SCADA systems managers face*

■ *Leverages IBM's expertise as a trusted security partner*

■ *Enables organizations to focus on business missions instead of security issues.*

Protecting the nation's infrastructure

Since 2000, the number of successful cyber attacks against Supervisory Control and Data Acquisition (SCADA) systems at power generation stations, nuclear and petroleum production plants, water treatment facilities and mass-transit systems has increase tenfold. Given the sensitive nature of what they protect, SCADA systems are attractive targets for hackers and terrorists.

IBM Internet Security Systems™ (ISS) helps provide a comprehensive approach to SCADA security, including industry leading preemptive technologies to protect SCADA networks and SCADA security engineers who are experienced in assessing and analyzing the vulnerabilities of SCADA systems.

Securing the SCADA environment

Complicated Information Technology (IT) security problems should be solved through a combination of people, processes and technology. To help companies take a comprehensive approach to SCADA security, IBM ISS offers the services of certified SCADA security architects. These experts have extensive experience in:

• *Conducting risk analysis.*
• *Applying intrusion protection systems.*
• *Conducting training awareness classes for end users, who are typically the weakest security link.*
• *Introducing automated scanning software to maintain system compliance.*
• *Conducting periodic security audits to ensure compliance with industry and government standards.*
• *Providing 24x7x365 support.*

The IBM ISS SCADA security solution includes three main components:

• *SCADA assessment services*
• *Intrusion prevention systems*
• *IBM Managed Security Systems*

SCADA assessment services

A SCADA assessment includes, but is not limited to:

- *System assessment and evaluation*
- *Facilities reviews*
- *Personnel interviews*
- *Vendor information*
- *Functional evaluations and analysis of vulnerabilities*

Intrusion prevention systems

Networked SCADA systems are vulnerable to the same threats as the standard operating systems and network infrastructure on which they rely. IBM Proventia® Network Intrusion Prevention System (IPS) is designed to provide out-of-the-box protection for more than 1,000 high-risk and critical vulnerabilities or attacks.

IBM Managed Security Services

IBM Managed Security Services offers clients comprehensive outsourced solutions for realtime security management, including system monitoring, emergency response and 24x7x365 protection. This includes the IBM Internet Security Systems X-Force® Threat Analysis Service, which provides a security intelligence service that delivers customized information about a wide array of threats that could affect clients' network security.

Why IBM ISS?

IBM ISS is widely recognized as one of the industry's most skilled, effective and responsive groups of security professionals. Just as important, the IBM Professional Security Services team works closely with leading utility organizations to assess and implement SCADA- and utility-specific security policies and procedures. Through these engagements, IBM ISS has developed an expertise and processes that have been tested and proven effective in SCADA and PCS environments.

For more information

To learn more about IBM ISS solutions for SCADA systems, contact your IBM representative or visit:
ibm.com/services/us/iss

About IBM ISS

IBM ISS is the trusted security expert to global enterprises and world governments, providing products and services that protect against Internet threats. An established world leader in security since 1994, IBM ISS delivers proven cost efficiencies and reduces regulatory and business risk across the enterprise. IBM ISS products and services are based on the proactive security intelligence conducted by the IBM Internet Security Systems X-Force® research and development team – a world authority in vulnerability and threat research. To learn more, visit **ibm.com**/services/us/iss or call 1 800 776-2362.