

System Security and Auditing for IBM i

Security breach prevention and protection



Highlights

- Reduce the risk of business and data loss and consequences of a disruption in IT services
- Lower the cost of user administration and management
- Uncover exposures and administrative oversights
- Policy and standards analysis
- Audit and compliance reporting
- Create an environment for trusted computing

Security in an on-demand, complex world

Privacy and data protection are the responsibility of all. In a world where data is easily acquired, shared and stored (and potential data misuse is a concern) everyone must do their part to handle information in compliance with their company's requirements and values.

Cost of poor security practices

IBM research indicates security expenses are growing three times faster than IT budgets. Mounting regulatory and compliance mandates carry stiff government penalties and fines if ignored; every-growing volumes of data tax infrastructures and control capabilities; customer records disappear with alarming frequency; and security breaches cost an average of \$6.6 million per incident.

With the added pressure of a challenging economy, to compete effectively a business cannot tolerate any security exposures. From a minor breach like exposing one's password to a peer or major failure like the disclosure of client data, neither are unacceptable and can result in new administrative procedures, a failed audit or lost business. Some circumstances could even lead to a lawsuit.

Security offerings

Engage the experts of IBM Systems Lab Services and Training to help uphold your company's commitment to privacy and data security. Our team has developed a multitude of offerings to address your specific security concerns.

Security Consulting and Risk Assessment Consulting and Implementation Services

From help implementing a security feature to additional resources to supplement your staff, our Consulting and Implementation Services provide general and custom consulting. Services include password elimination and single sign-on, data and tape encryption, system auditing setup and analysis, security assessments, breach analysis and penetration testing and IBM® WebSphere® Application Server health checks.

Audit Journal Analysis Tool

User activity and system/application auditing is a requirement for most companies. The Audit Journal Analysis Tool simplifies the task of viewing entries in the IBM i security audit journal. It provides flexibility and a statistical view of the number of entries occurring in each journal entry. The security administrator can select an entry by date, time or type, drill down for details and optionally print or send an output file. The tool includes features for managing journal receivers, reporting on special authorities, monitoring for the entries defined in the Exit Point Manager and a report scheduler.

IBM i Risk Check Tool

Regular assessments are key to uncover previously hidden or incorrectly administered security issues. The IBM i Risk Check Tool provides information on the security risks of an IBM i system. It collects 800+ pieces of administrative and statistical information relative to security including user and group profiles, network configuration, operational configuration, application administration, system settings, audit journal and more. The tool places that data in a single location for viewing. An easy-to-use browser page provides interpretation of the results.

IBM i Security Assessment Tool (iSAT)

Similar to the IBM i Risk Check Tool, the iSAT is an exhaustive collection tool, often used during a security assessment to help document findings. It can also be purchased separately for customers wishing to enhance their reporting ability. Statistics provided include detailed reporting of more than 70 areas on the IBM i, an executive summary, top ten findings and mediation plan.

Single sign-on

Enterprise Identity Mapping (EIM)

The need for multiple user registries, an issue most network enterprises face, creates a larger administrative challenge. EIM for the IBM i platform offers administrators and application developers an inexpensive solution for easier management of multiple user registries and user identities.

EIM creates a system of identity mappings, called associations, between various user identities in various user registries. It provides a common interface across platforms to look up relationships between user identities. Use EIM in conjunction with the IBM i network authentication service for a single sign-on environment. You can even configure and manage EIM through the IBM i graphical user interface.

EIM Populator Tool (EPT)

One of the most time consuming tasks in implementing a single sign-on solution is registering users to the EIM repository. The EPT is a Java-based desktop GUI application that allows an administrator to easily import information from a comma-separated value text file. With EPT, take a spreadsheet of known user IDs and/or names and create identifiers and mappings for each user. Java 1.4 or higher is required.

Password Security

Password Validation Tool

Despite warnings, one-in-five users choose a non-compliant password to protect their identity. We've developed a program that validates and ensures passwords meets company and industry recommended rules and guidelines. The tool also allows the security administrator to establish a dictionary of excluded terms, to further tighten password security.

Network Password Synchronization

Users often have different passwords for each system or application they access. To simplify password management, the Network Password Synchronization tool allows a user to manage a single password (or many) for multiple systems and applications in one place.

Who We Are

IBM Systems Lab Services and Training develop and deploy solutions across IBM systems offerings. Our team of experts are well-versed in product knowledge and platform specific hardware and software solutions for clients and IBM Business Partners. In addition to skills honed in IBM development labs, our consultants bring experience gleaned from thousands of worldwide engagements, development to implementation.

The Lab Services mission

Our mission is to help accelerate the adoption of new IBM products and offerings and maximize the performance of client systems. Our consultants leverage their relationships with IBM labs to build deep technical skills and bring the latest technology to our clients and partners.

Not just any service

Part of IBM labs, IBM Systems Lab Services and Training help build products. Take advantage of our deep knowledge to achieve the goals of your technology and solution investment. We complement IBM and IBM Business Partner service offerings, making it easy and financially reasonable to put our experiences to work.

Lab Services tools

Many of our solutions were built in response to customer requirements to fill product gaps, or a request to further enhance our products. They range from easy-to-install tools and utilities to more complex solutions; the latter often includes a services component intended to provide technical training and implementation services so clients and business partners can acquire and maintain mission critical skills.

How are these offerings acquired?

The utilities described here are offerings provided by IBM Systems Lab Services and Training and—unless noted otherwise—packaged as part of a consulting services engagement. Offering consists of the software license and maintenance, as well as planning, design and implementation services.

Pricing

Contact an opportunity manager to confirm requirements, define the scope of work, develop a services proposal and determine pricing.

IBM Systems Lab Services and Training

We offer services in all aspects of managing IBM Power Systems™ environments, including installation, migration, porting, platform management, consulting and training. Take advantage of our always-current knowledge of products and solutions for virtualization, high availability, high performance computing and server consolidation.

For more information

Learn more about System Security and Auditing for IBM i and related services. Contact stgls@us.ibm.com or visit:

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