Ensure the security of applications throughout their lifecycles

Security for IT development and lifecycle management

IBM's Systems Development and Lifecycle Management Security Consulting assists in your chemical company’s initiatives for information confidentiality, integrity and availability. In this offering, IBM takes a “cradle-to-grave” look at your systems and application development, acquisition, deployment, lifecycle management, and retirement processes.

The offering includes:

• **Incorporates security considerations in IT systems and application development and maintenance**

• **Creates an environment for “cradle to grave” application-related IT security**

• **Provides the assurance of a trusted, third-party review**

• **Identifies the common mistakes that can compromise your cyber security**

• **Helps you comply with the ISO 17799 Standards for systems development and maintenance**

This offering employs IBM’s exclusive security methodology that is based on the leading international security standards – Information Security Management (referred to as ISO 17799) and the IBM Security Architecture (based on ISO Standard 7498-2).

**Security Process Development**

An effective security environment depends on clear, concise, well-defined security processes. This activity will follow IBM’s standardized Security Process Development methodology to help you define and document the processes that enable your security objectives to be realized. They will be developed based on your organization’s predefined information security standards or a standards-based code of practice.

**Highlights**

- Incorporates security considerations in IT systems and application development and maintenance
- Creates an environment for “cradle to grave” application-related IT security
- Provides the assurance of a trusted, third-party review
- Identifies the common mistakes that can compromise your cyber security
- Helps you comply with the ISO 17799 Standards for systems development and maintenance
IBM will define and document consistent, technology-independent practices and procedures describing security-relevant requirements and activities in the complete end-to-end systems/applications acquisitions, development, deployment, and lifetime maintenance process.

IBM will identify and incorporate security-relevant tasks and activities either in your standard development methodology or in an industry-standard multiphase development methodology. The deliverable report will contain project tasks and activities, and individual and workgroup roles and responsibilities in systems and applications:

- Concept and requirements definition
- High-level and detailed design
- Development
- Deployment
- Maintenance
- Operations and management
- Retirement

The deliverable will include a project security plan template intended to provide a model allowing your project and management personnel (with the assistance and guidance of qualified security specialists) to develop and implement individualized system and application Project Security Plans.

Beyond assessment and recommendation
IBM can also create customized training and education for your IT staff to help provide assurance that appropriate security processes, services and mechanisms are incorporated into your organization's IT systems development and maintenance environment.

For more information