

## **PANEL: CRITICAL ELEMENTS OF SECURITY FRAMEWORKS**

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### **Overview**

The explosive growth of the Internet, particularly as a business tool, has resulted in an increased demand for secure Internet applications and protocols. Information technology providers now recognize that market leadership requires the ability to provide security enabled applications and network security infrastructure solutions. In response, key industry players have introduced security frameworks into this heightened security aware environment. These frameworks outline strategies for introducing security services, particularly those which are cryptography based, into existing and emerging product lines. These frameworks also attempt to address the need to provide globally interoperable security solutions, which at the same time comply with a diverse set of national cryptographic policies.

This panel session focuses upon the critical elements of security frameworks and examines how these elements address the objectives of the framework and contribute to

the development of security products. Commonality and differences of the emerging security frameworks will be examined and issues associated with security framework development and implementation will be discussed. The panel will also examine how influential these emerging security frameworks have been on the development of security products and will attempt to predict the future direction of security frameworks.

This panel session brings together representatives from three corporations, Hewlett-Packard, IBM and Intel, which have introduced security frameworks. These panelists bring to the panel discussion their insights into the development and the implementation of three major security frameworks: the Hewlett-Packard International Cryptography Framework (ICF), the IBM SecureWay Key Management Framework, and the Intel Common Data Security Architecture (CDSA).

The panel session is designed to be an interactive session, with discussions focused around a series of questions designed to provide insights into security frameworks and the issues surrounding them. Audience participation via questions and contributions to the discussion are both welcomed and encouraged.

### **Discussion Questions**

Sample discussion questions that may be addressed by the panel include:

- What do you see as the primary objectives of a security framework?
- What are the critical elements or components of a security framework?
- What impact have security frameworks had on information security technology?
  - Are emerging security frameworks playing a key role in the design of the security products being developed today?
  - Are security frameworks changing the way secure systems are being designed?
- Are there gaps in the security frameworks which have been proposed?
  - Are security frameworks addressing the security needs of developers and system architects?
  - Are there new technologies which security frameworks need to embrace?
  - What do you see as the primary issues associated with modifying existing security frameworks?

- To what extent should security frameworks be compatible with one another?
  - How are the existing frameworks being used to complement one another?
  - Will products built under different frameworks be interoperable?
- Has compliance to security frameworks make product export easier?
- Are security frameworks making the incorporation of key recovery mechanisms easier?
- What do you see as the future direction of security frameworks?
  - Will there be wider applicability for security frameworks?
  - Will there be more frameworks proposed, or will existing frameworks be consolidated?