IBM FirstSecure

Overview:

- An integrated e-business security offering of several key components, including firewall and content filtering, access control, Web application security, enterprise anti-virus, vulnerability checking, intrusion detection, PKI and implementation services

- Allows businesses to build a foundation for enterprise authorization, accountability and assurance that grows as e-business requirements expand

- Minimizes complexity and reduces cost of integrating security function with a systems management structure

- Enables creation of security policies based on business needs

- Delivers the most comprehensive security framework available from a single vendor

Framework Components - Features and Benefits

- **Policy Director:** The integration of policy with access control will allow customers to gain better control of their enterprise resources by leveraging the various security components they are familiar with today (i.e. firewalls, antivirus, intrusion detection, digital certificate servers, filtering, etc.) Fine-grained access level authorization will protect Web resources across multiple operating systems, Web servers and Web-enabled databases. Leveraging IBM's Global Sign-On technology will also provide a flexible and powerful Web single sign-on solution.

  IntraVerse from DASCOM Inc.: IntraVerse is included with the first release of FirstSecure, as a preview of some of the function of thje Policy Director. IntraVerse provides security for Web applications, with strong authentication, a common authorization backbone and audit facilities, as well as integrity and privacy on the wire.

- **Secure Business Server**
    - **eNetwork Firewall:** The IBM eNetwork Firewall version 3.3 enables firewall-to-firewall virtual private networking using advanced triple DES and IPSec encryption technology. With VPN enablement, companies can securely communicate with customers, business partners and remote users over the Internet, reducing dependence on expensive leased lines.
    - **MIMEsweeper:** From Content Technologies, MIMEsweeper provides customers with control and management of security threats from the Internet. Customer data is protected from viruses and macro viruses in e-mail, FTP transactions, and other download sources; from Java and ActiveX code; and from inadvertent loss of confidential or sensitive documents via lexical scanning.

- **SurfinGate:** From Finjan, Inc., SurfinGate protects computer networks against attacks carried out in Java, ActiveX, JavaScript, and other Internet mobile code technologies. SurfinGate inspects mobile code content to understand its intended functions, then matches the code's proposed activities against a company's policy management rules.

- **Intrusion Immunity**
  - **Norton AntiVirus:** With enterprise protection at the desktop, server, groupware server, Internet and gateway levels, Symantec's Norton AntiVirus provides 100% detection of computer viruses, including destructive Active X and Java applets. Customers can also enjoy support from the Symantec AntiVirus Research Center and a built-in "Trojan Horse" detection engine that protects against password theft.

- **Public Key Infrastructure**
  - **Vault Registry:** Vault Registry allows customers to register new e-business entities online, and to issue and manage certificates and keys that are the basis for improved authentication and non-repudiation over open networks. Organizations can use Vault Registry to manage certificates for a variety of applications including secure e-mail, Web applications, and virtual private networks, and be assured that sensitive customer data is protected even against internal administrators.

- **ToolKit**
  - **KeyWorks:** CDSA compliant and available for AIX, Windows 95 and Windows NT, KeyWorks lets developers easily build cryptographic and digital certificate solutions into security applications and supports the PKCS #11 interface that enables smart card use.

- **Implementation Services**: A set of introductory implementation services will enable the quick and effective implementation of business solutions based on the IBM SecureWay FirstSecure offering. These services will include a high level implementation planning workshop and pilot installation for selected components of the FirstSecure offering.
  - **Planning Workshop** - The workshop will provide architecture and design education about selected components of FirstSecure (for example, firewall, intrusion detection, public key infrastructure). Information gathered during the workshop will form the basis for the implementation plan and pilot installation.
  - **Pilot Installation** - Using the information from the workshop, selected components of the FirstSecure offering will be installed and tested in a non-production environment.

The FirstSecure implementation services will be performed by the IBM eNetwork Computing Services Group, an experienced team of IBM consultants. This team will utilize proven implementation practices and will have close ties to the product development organization. This enhances access to product expertise and increases the level of effective resolution of implementation issues.

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For more information, visit us on the Web at http://www.ibm.com/security

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