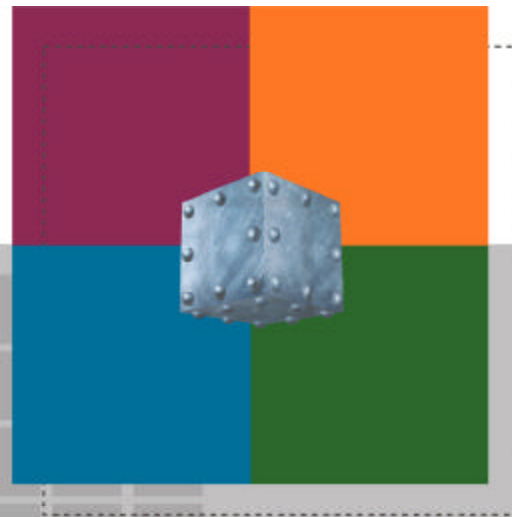




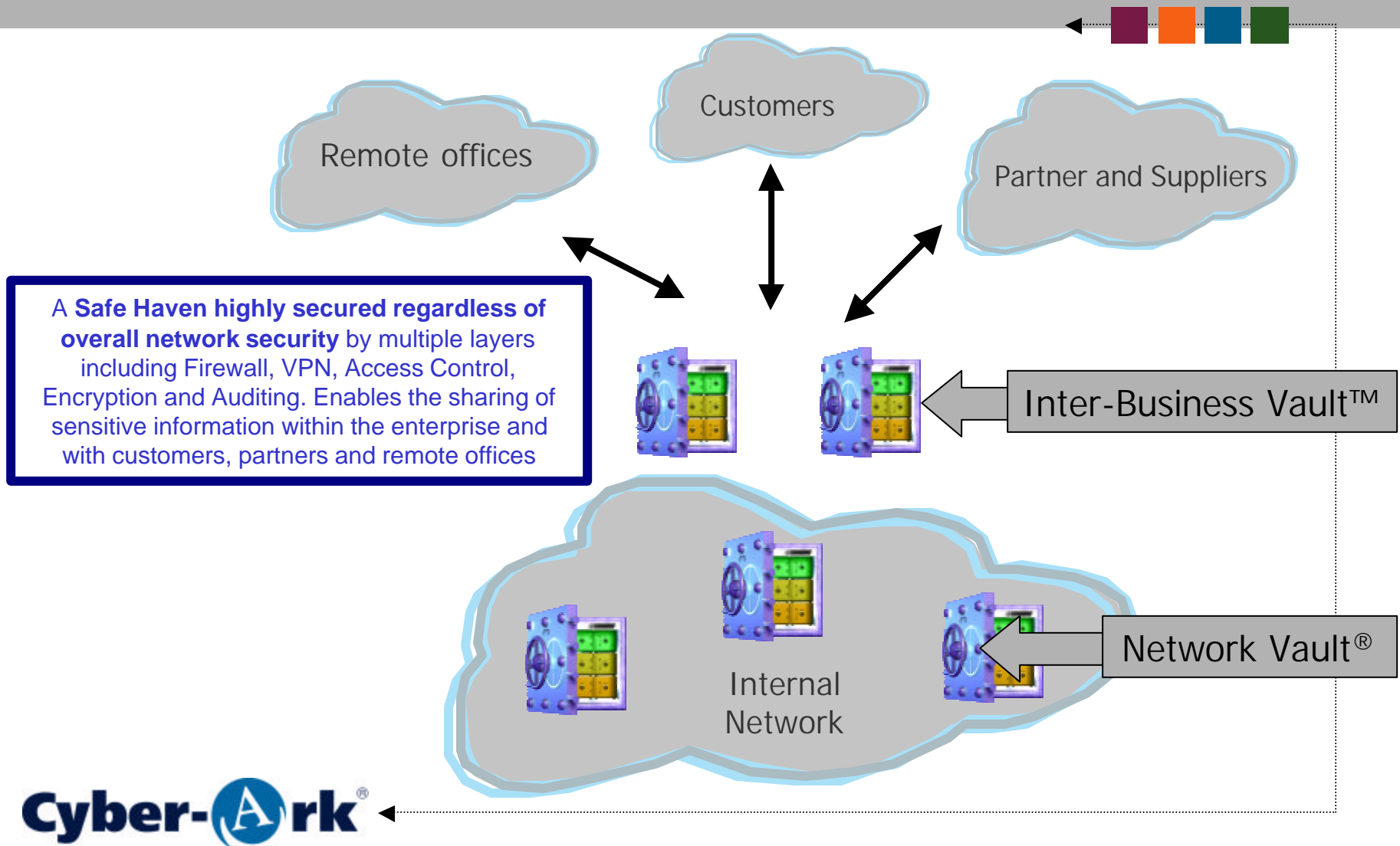
Breaking down the Barriers: Implementing Vaulting Technologies



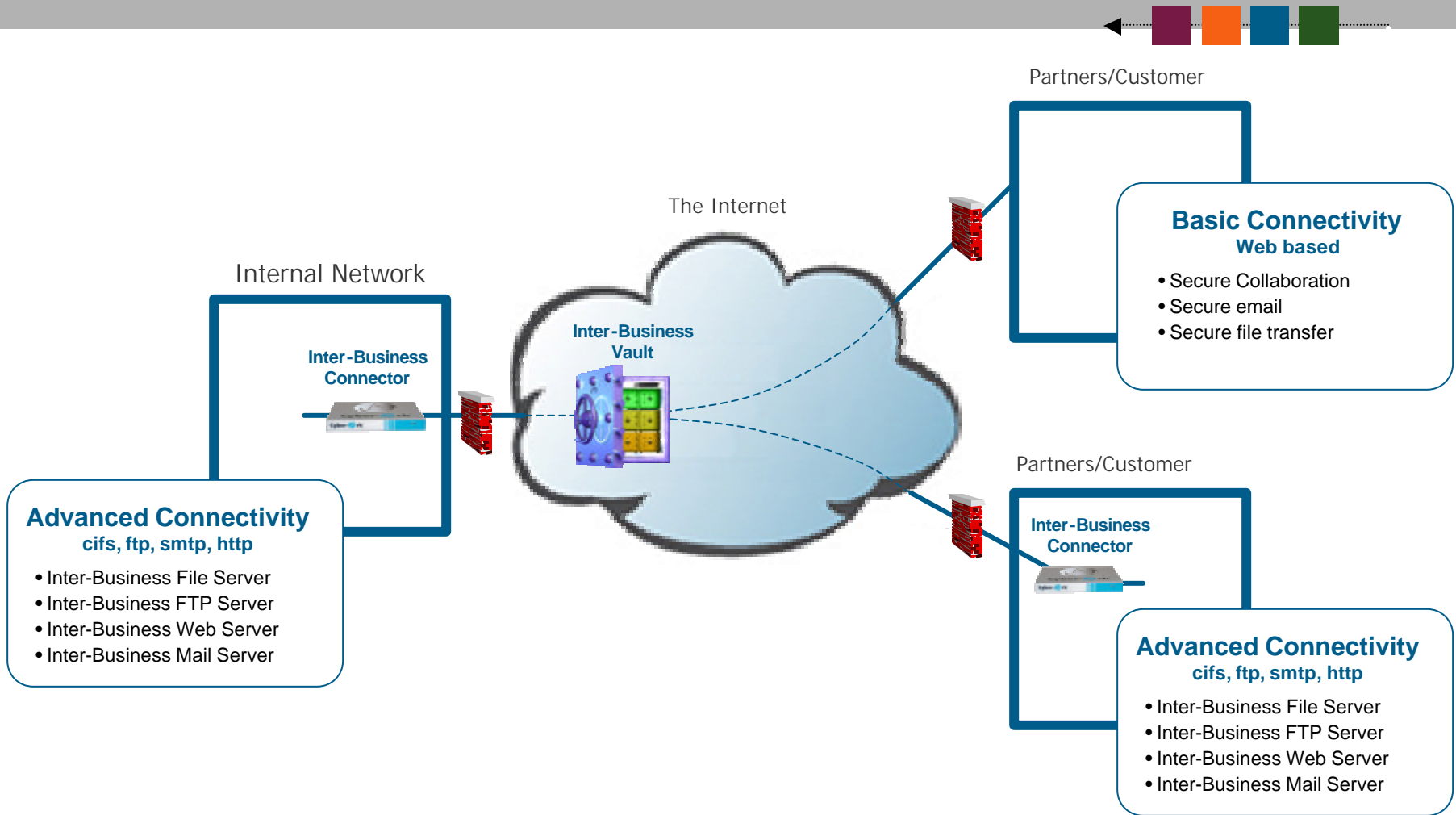
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ALWAYS SECURE, ALWAYS ACCESSIBLE™

1999 – Cyber-Ark introduces the Vaulting Technology

US Patent #6,356,941



The Inter-Business Vault – An Advanced Extranet



The Inter-Business Vault Benefits



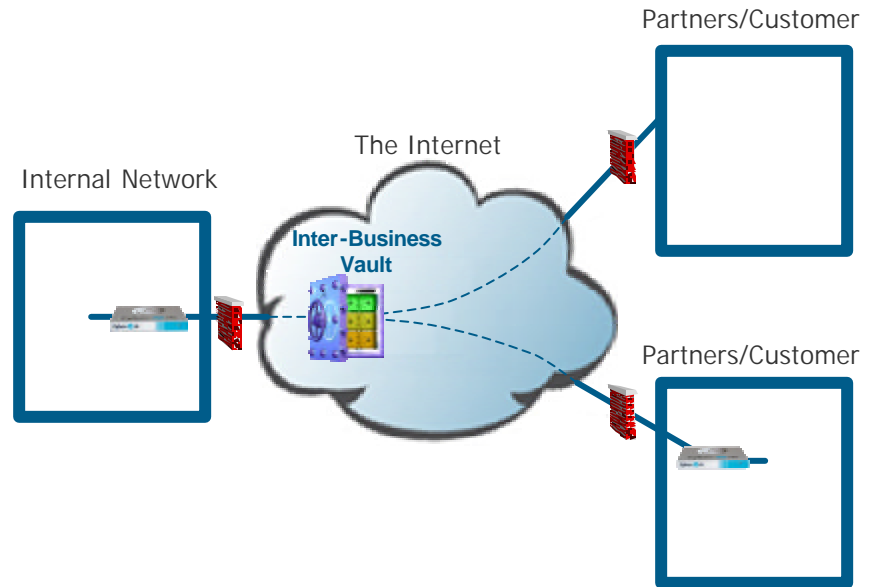
Unrestricted
Connectivity

Unmatched
Security

Unmatched
Performance

Lower Administrative
Overhead

Unmatched Security – Servers are within the perimeter and the Vault are secured from end-to-end. ~~Unmatched Security is built in~~



Sample Applications



Connecting enterprises to their partners, customers and remote sites over the Internet:

- ❑ **Treasury Management Vault**
Enabling Banks to exchange Lockbox, ACH and ARP Files with Corporate Customers over the Internet.
- ❑ **CAD/CAM Vault**
Enabling Manufacturers to share and exchange design files with subcontractors over the Internet.
- ❑ **Source Code Vault**
Enabling large enterprises to share software source code with software development subcontractors over the Internet.

Comerica and Vaulting Technology



Requirement:

- ❑ A secure File Exchange Infrastructure for Treasury Management services such as Lockbox, Automated Clearing House (ACH) and Account Reconciliation Processing (ARP) between the bank and its corporate customers

Challenges they faced:

- ❑ Too much time to enable a new Treasury Management customer to exchange files with the bank?
- ❑ Highly dependant on IT personnel to accomplish this - both within the bank and on the customer side?
- ❑ Infrastructure not flexible enough to support automation and integration with back-end systems?

Comerica was looking for a file exchange infrastructure that could:



- ❑ Enable electronic, Internet-based, file transfer as a replacement for couriers, faxes, Virtual private Networks (VPNs) and Value Added Network (VAN) Services.
- ❑ Shorten setup time by ensuring that no involvement of IT or programmers is required within the bank for new customers setup
- ❑ Enable small and medium customers, who often have no IT staff at all, to connect to the bank
- ❑ Provide a secure infrastructure that ensures the integrity and confidentiality as required by key regulations
- ❑ Enables full automation and smooth integration into the web infrastructure and back-end systems of the bank and its customers

The Solution: A Treasury Management Vault



A Safe Haven over Comerica's extranet, to which corporate customers can connect for file exchange:

- ❑ Automate the information-exchange

Enabling Comerica to profitably grow revenue and market share with new corporate customers while reducing operational costs

- ❑ Ensure compliance with key regulations, by protecting data both in transit and at rest.



Lehman Brothers and Vaulting Technology



Requirement:

- ❑ Connect all their distributed software development sites to create a secure Source Code sharing infrastructure that allows them to share file servers, ftp servers or to transfer emails without being impeded by network boundaries, network bandwidth and network security issues.

Obstacles they faced:

- ❑ Network Boundaries - CIFS or NFS protocols were usually blocked by the firewall at the perimeter of each site
- ❑ Network Bandwidth - File servers sessions usually fail over low speed Internet connection
- ❑ Network Security - File servers do not have the basic security elements needed over the Internet. Data is not encrypted in transit nor at rest, OS is not hardened, auditing is basic, and anti-virus at the end-point is not supported

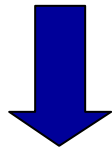
Limitations of Existing Solutions



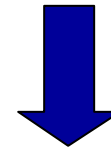
Trying to connect the entire development chain with VPNs and High-speed connections



Stay “Disconnected” and transfer copies by FTP



- Risking the security of the enterprise by opening it to subcontractors
- Very high TCO (total cost of ownership)
- Fit only to large and “rich” subcontractors



- Unproductive
- Unsecured
- Losing control over file versions

Lehman was looking for a Source Code sharing infrastructure that could:



- ❑ Enable **Internet-based, collaborative development**
- ❑ Enable the **sharing of file servers, ftp servers, and mail systems** as if part of a shared network, by overcoming the network-boundaries, network-bandwidth and Network-Security barriers that prevent it today.
- ❑ **Ensure enterprise's security** by eliminating the need to open the network to subcontractors.
- ❑ Ensure the **Security of the shared information** from end-to-end.
- ❑ Enable collaboration on slow and **inexpensive communication lines**.
- ❑ Provide extensive **Auditing and Data Access Control**.
- ❑ Provide comprehensive **version control**.
- ❑ Offer a broad of interfaces to support **the needs of every subcontractor**.

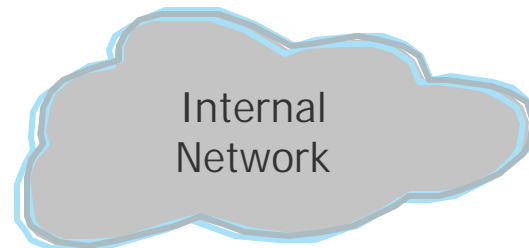
The Solution: A Software Code Vault



A Safe Haven over your extranet, to which remote sites can connect for software code sharing and exchange:

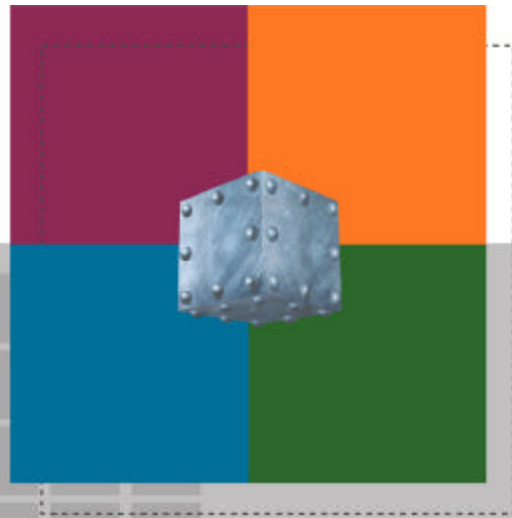
- Enables the sharing of files across the
- Enables Lehman to improve productivity, reduce development costs and shorten development time
- speed Internet connections.
- Ensures the integrity and confidentiality of the shared data by providing end-to-end security, version control, and audit.

Enables Lehman to improve productivity, reduce development costs and shorten development time





Thank You



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