TriStrata



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Agenda

- Company Background
- System Overview
- System Demonstration
- Next Steps ?



TriStrata's Purpose

Develop and deliver innovative solutions to protect and manage information assets, allowing enterprises to confidently use the full potential of the Internet

- Expand global reach
- Reduce costs
- Enable new business models

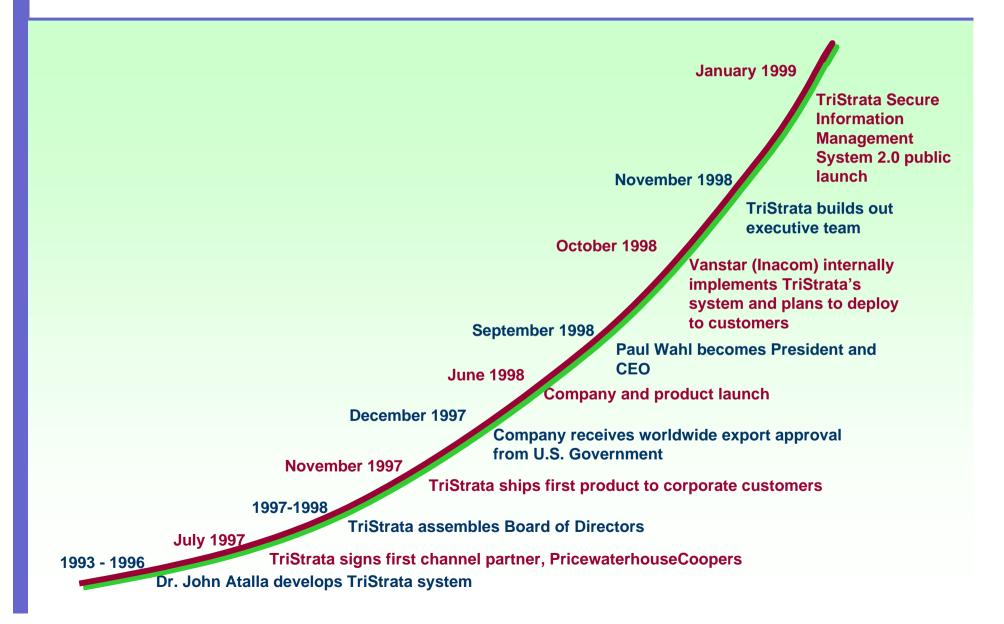


TriStrata Management

- Chairman & Founder: Dr. John Atalla, inventor of the "Atalla Box" which secures 80% of the world's ATM machines
- President & CEO: Paul Wahl, former head of SAP **Americas**
- **Board of Directors: John Young (Hewlett-**Packard), Tom Perkins (Kleiner Perkins), Bill **Zuendt (Wells Fargo), David Beirne (Benchmark** Capital), Judith O'Brien (Wilson Sonsini)



TriStrata Milestones





TriStrata Alliances

PRICEWATERHOUSE COPERS @

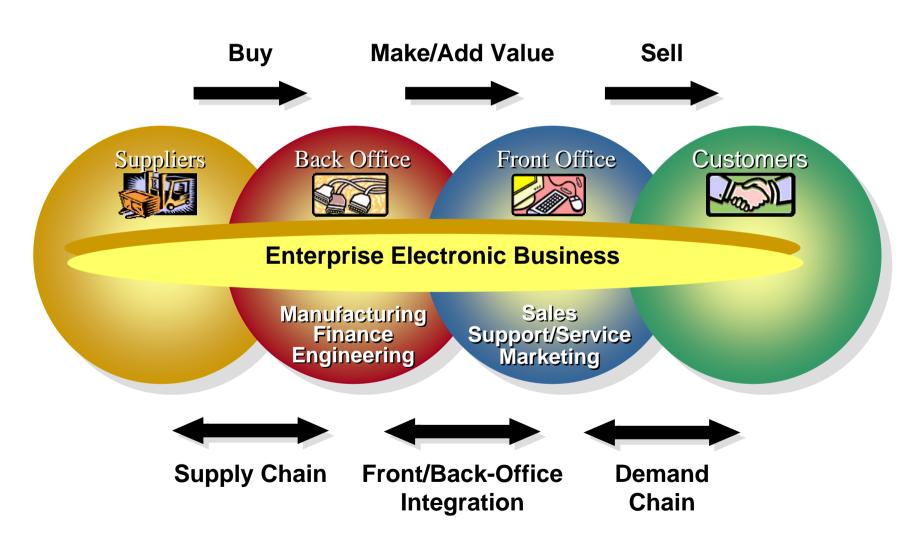
PricewaterhouseCoopers - worldwide team of over 200 providing consulting, deployment, and integration services



Vanstar (Inacom) - internal deployment for 7000 employees; authorized TriStrata systems integrator

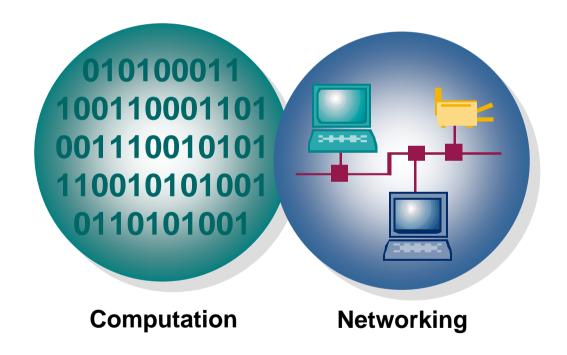


The Extended Enterprise Today





Two Infrastructures Are in Place





Yet, There is a Problem

- Attempts to define workable and secure E-business solutions have yet to gain market acceptance
 - Existing information security approaches are not integrated and are difficult to manage
- The promise of the Internet is unfulfilled



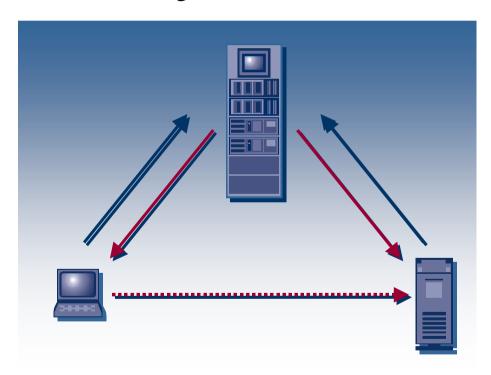
What is Missing: A Protective Infrastructure

Secure Information Management





TriStrata System Overview





The TriStrata Information Security Philosophy

- All information is secured whether in storage or in transit
- Access to information is enforced based on rules which can be dynamically changed
- All security operations are controlled by a network-centric management system that keeps a real-time audit of all processes



Design Assumptions

- Cost of memory will approach zero
- Cost of processing power will approach zero
- Networking will become ubiquitous and the cost will steadily decline



The TriStrata Secure Information Management System

- Adds a protective layer to an enterprise's existing computing and networking infrastructures
- The simple-to-install, easy-to-use system assures a trusted environment to conduct business anywhere on the Internet
- **Enables new business opportunities, revenue** streams, and operating efficiencies



TriStrata Core Benefits

Comprehensive Information Management

 Provides centralized control and tracking of enterprise information

High Performance and Scalability

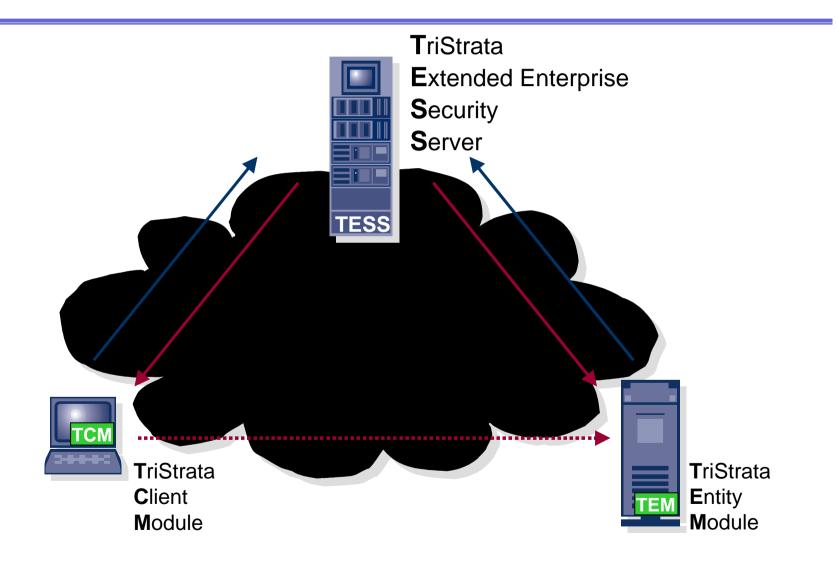
 Delivers information protection transparently and without compromises

End-to-end Security Solution

 Delivers an open, integrated system which significantly lowers cost of ownership



System Overview





Fundamental Components

PAL

- Private Access Line between TESS and client/entity
- Extremely low overhead
- Authenticated and encrypted
- Used to authorize all security operations

Random KeyStream™

 High performance encryption using simple **XOR logic**



Fundamental Components

Permit



"Permission" to encrypt or decrypt data

Seal



Can only be opened by TESS

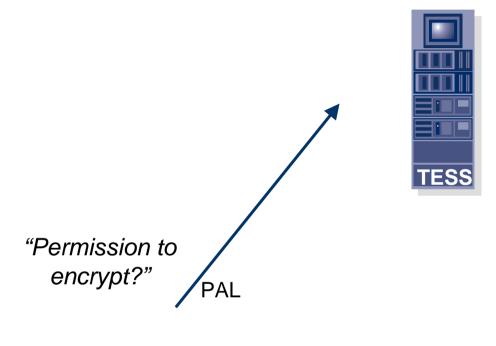


Contains permit and policy information



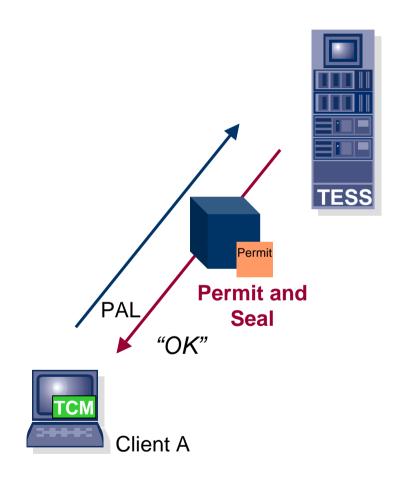
Attached to encrypted objects



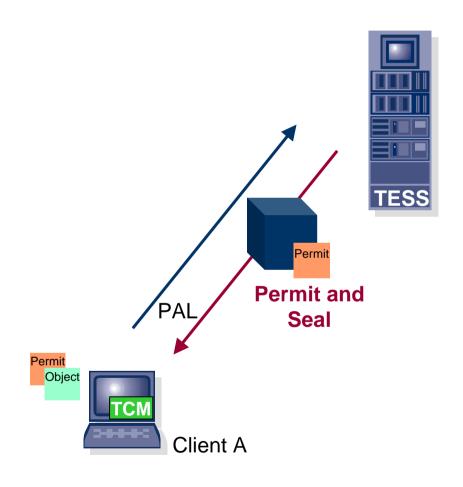




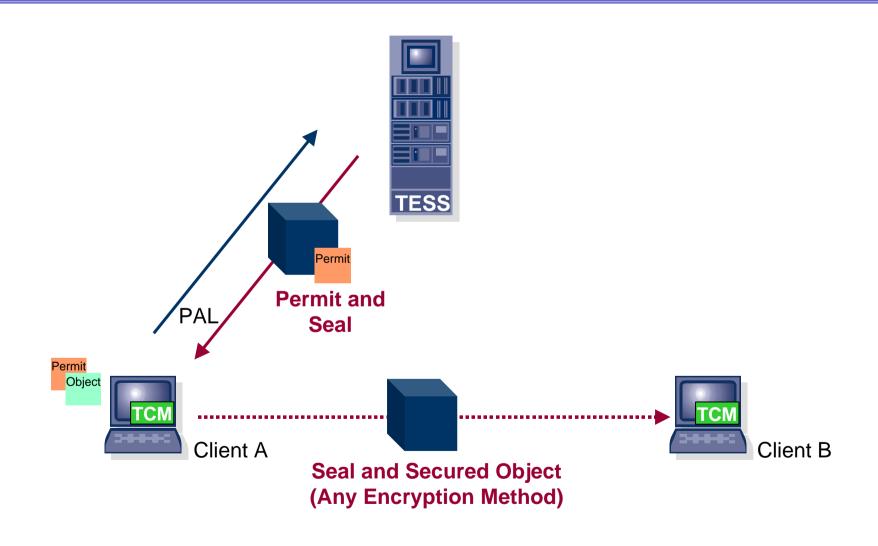




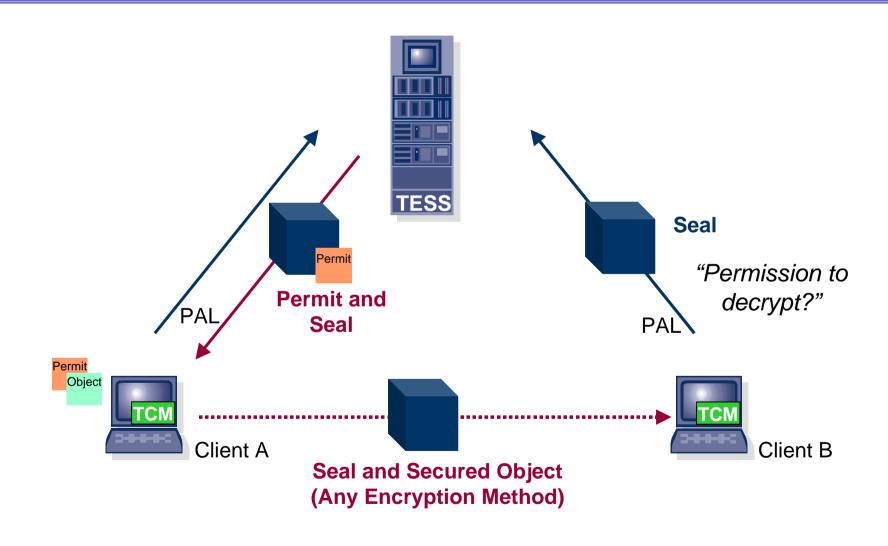




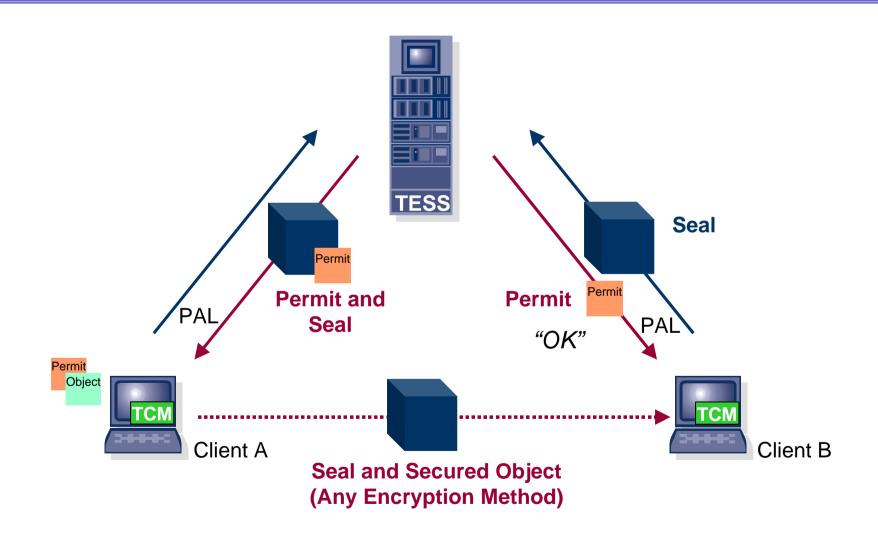




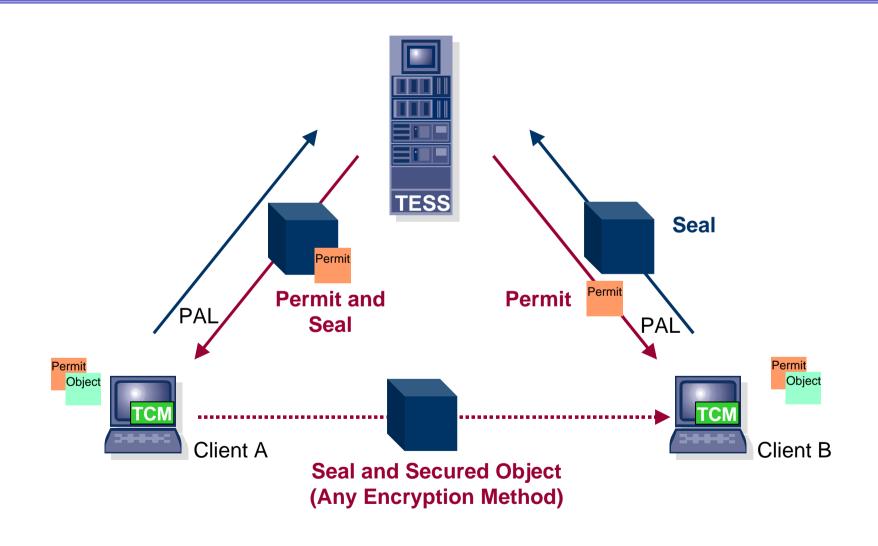














Comprehensive Information Management

- Information policies can be electronically enforced
 - Policies can be defined and monitored across applications, systems, and networks
- All operations are tracked in real-time
 - System wide records answer key questions: who, what, when, where, why, and how?
- Global user enrollment and revocation
 - User privileges can be added or removed from any workstation
 - Full data recovery available

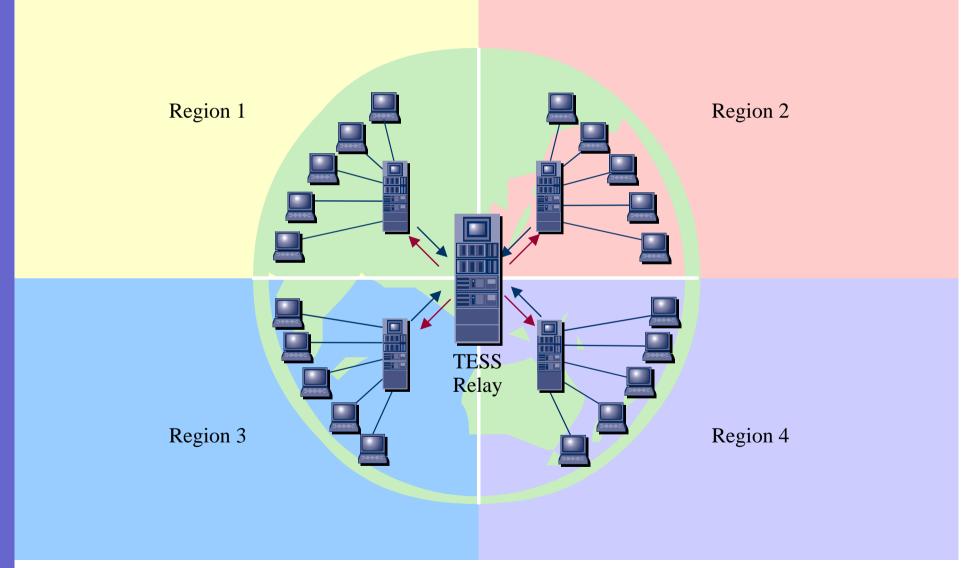


Performance and Scalability

- One system supports 1 million users
 - Many organizations and departments can be defined
- Industry-leading transaction processing performance
 - Each TESS operates at 2,000 transactions/second
 - Up to 8 replicas add capacity and availability
- All types of information e-mail, documents, data, voice, video - are easily protected
 - Random KeyStream[™] encryption operates at 96 Mbits/second
 - Other customer-specified encryption can be used



TriStrata Relay for Extended Scalability



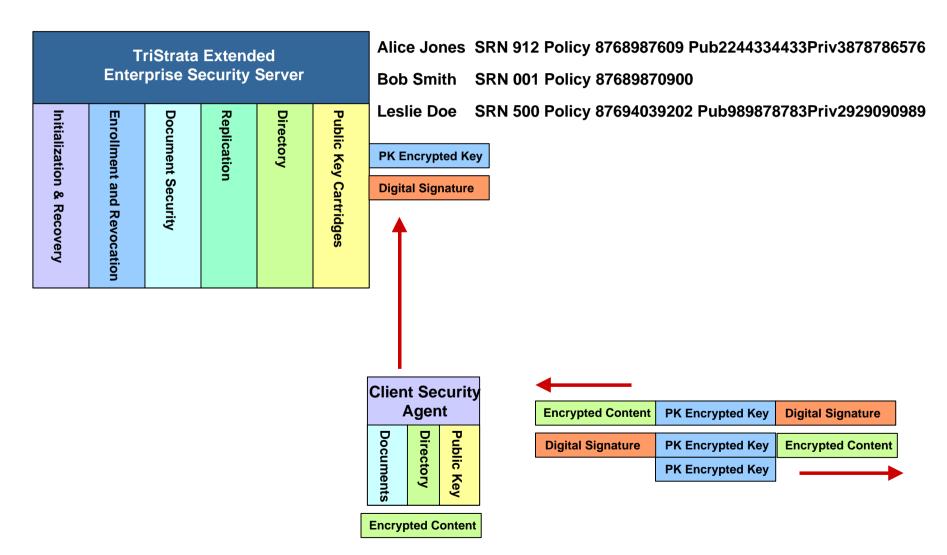


End-to-End Solution

- One system provides information protection and management
 - Authentication, authorization, data integrity, confidentiality, digital signature, and auditing
- Globally exportable
 - Based on self-escrow key management and recovery, approved for worldwide export
- Readily integrates with current IT infrastructure
 - SDK available for enterprises and ISVs
 - **Designed to interoperate with PKI**



TriStrata-PKI Interoperability





TriStrata Applications

- Enterprise security
 - E-mail
 - Files
 - Fax
 - Video
- E-commerce
 - Transactions
 - Electronic content distribution



TriStrata Applications

- Secure virtual office services
 - E-mail, fax, voicemail, videoconferencing
- Applications outsourcing
- Virtual private networks
- Trusted third-party services



TriStrata System Delivery

- Pre-defined system implementation
 - Predictable delivery, whether from TriStrata or partner
 - Result: working system with baseline policies
- 7x24 global system support
 - Heavy emphasis on web-based resources, for self-service and quick reference
- **Optional Secure Transaction Server (STS)** services



New Features 2.0 Release

- Open Cryptography
- Up to 8 TESS Replicas
- Fully integrated SDK
- Organizations
- Dynamic Membership Groups
- Notes, Exchange, Outlook 97/98
- Fully integrated in desktop

TriStrata



Thank you!