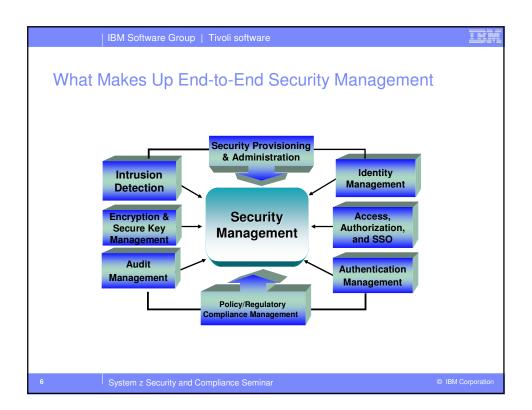
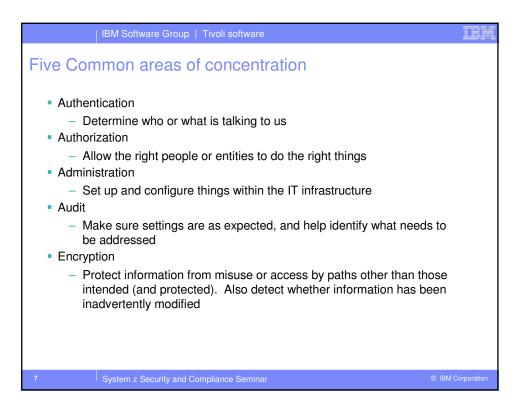
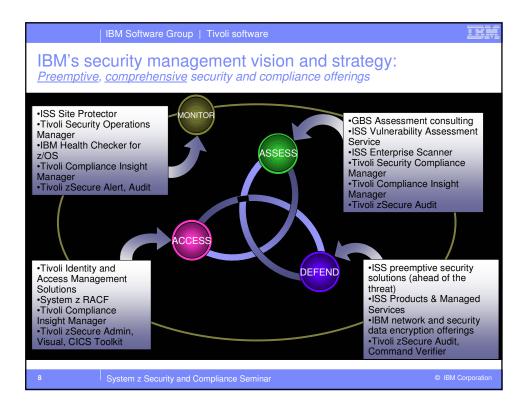
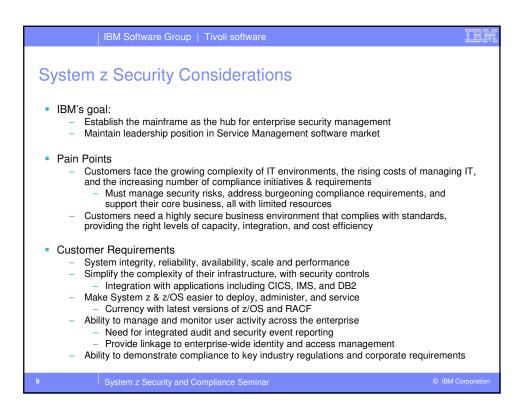


Cour Conflict: Regulation versu Regulation • Change management • Clearly defined process with approval and reporting • Ability to identify changes • Security management • Separation of duties • Identification of exposures and mis-configurations • Clear audit trail and accountability	us Reality Reality
 Change management Clearly defined process with approval and reporting Ability to identify changes Security management Separation of duties Identification of exposures and mis-configurations 	Reality
 Clearly defined process with approval and reporting Ability to identify changes Security management Separation of duties Identification of exposures and mis-configurations 	
 Data security Data confidentiality and integrity Prevent improper access to financial, medical or personal data Monitor access to data by technician, administrator, outsiders 	 Separation of duty impractical with small teams Highly authorized ids necessary for final go-to technician Mainframe installations often rely on "system special" and "uid(0)" Red-tape bypassed for high-impact problem resolution Manual monitoring impractical due to volume of data Human mistakes cause service outages Cleanup projects are long running and expensive

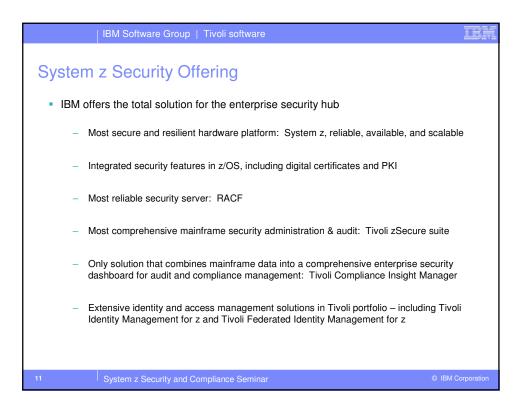


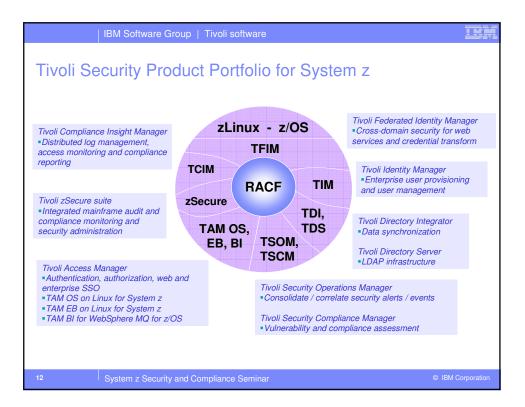


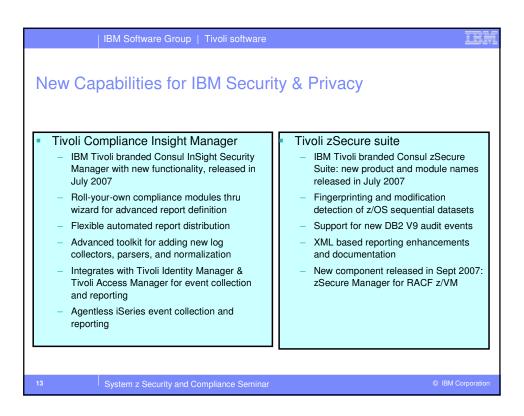




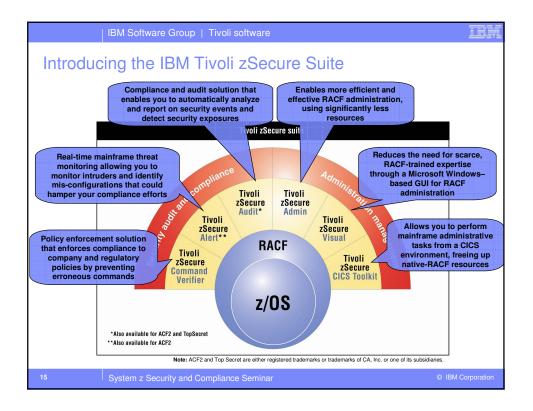
IBM Software Group Tivoli software	IBM
Enterprise Security with System z and Tivoli	
 Powerful security for simplified risk management Building on its leadership in IT security, IBM System z is advancing its network and data encryption solutions, strengthening its role in end-to-end security across the enterprise an providing new tools to help address the growing compliance requirements, enabling your business with simplified risk management and governance Customers are leveraging the availability, scale and performance of the IBM System z mainframe to provide a centralized hub for enterprise security on z/OS with Tivoli offerings 	
 Tivoli zSecure suite and Compliance Insight Manager provide: Integrated mainframe administration and audit and compliance monitoring Distributed log management, access monitoring and compliance reporting 	5
 Additionally, the relational value of Tivoli identity management provides: Identity lifecycle management (user self-care, enrollment and provisioning) Identity control (access and privacy control, single sign-on and auditing) Identity federation (sharing user authentication and attribute information between trusted Web services applications) Identity foundation (directory and workflow) to effectively manage internal users as well as an increasing number of customers and 	
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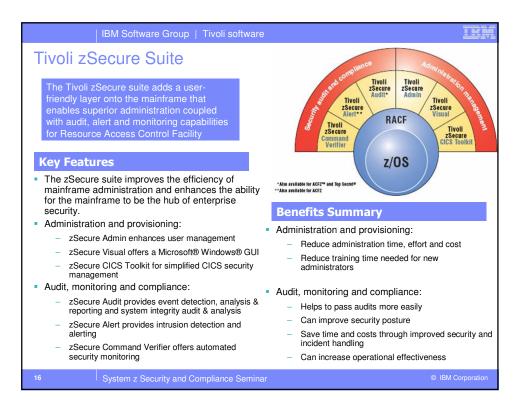


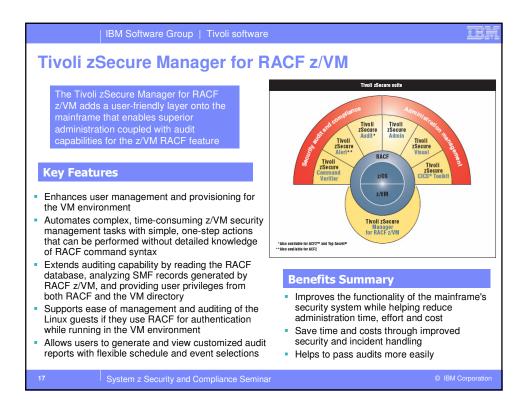


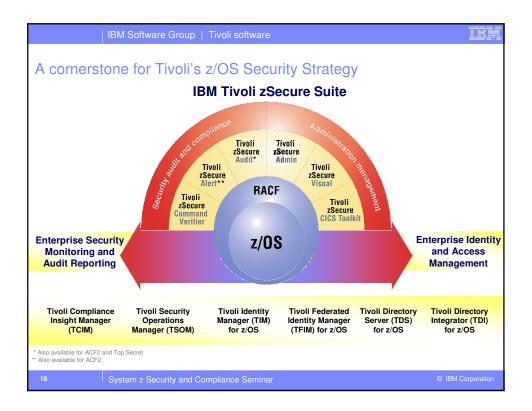


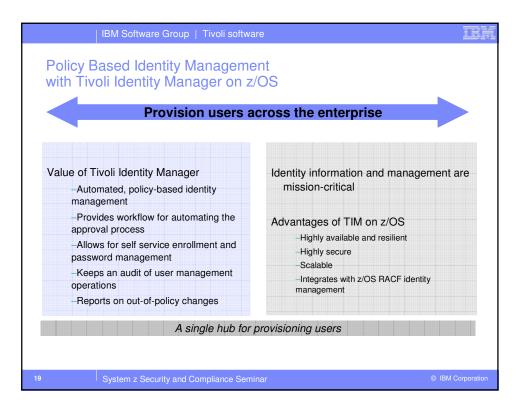


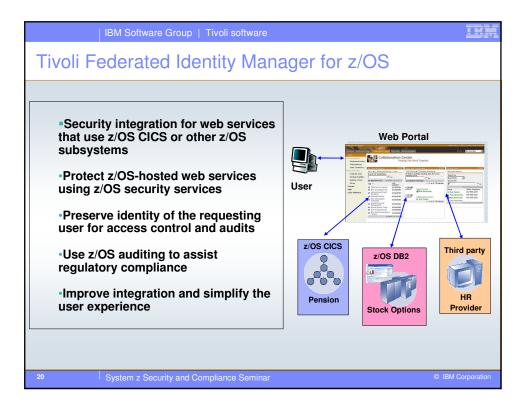


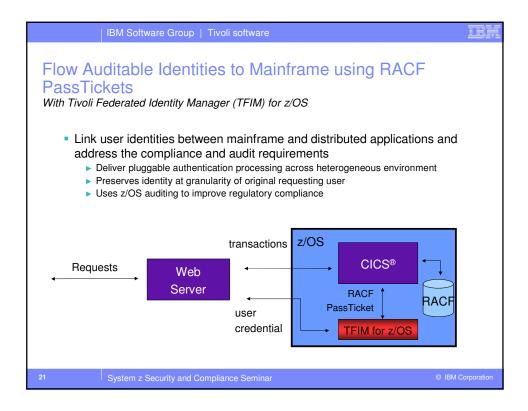


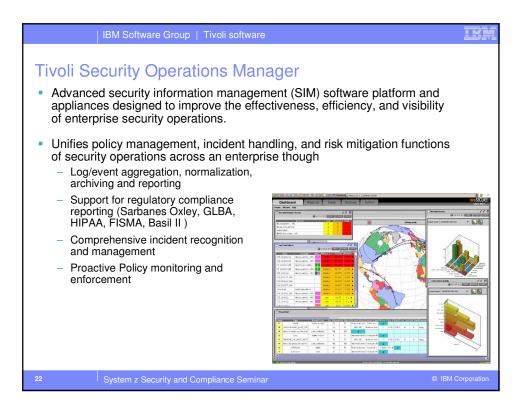










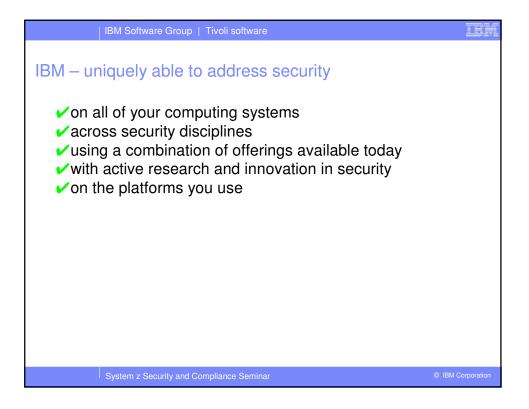


IBM Software Group Tivoli s	software	IBM
Case study: Shipping com	npany	
 Situation: Customers are stock listed Must keep financial data confidential to prevent insider trading Shipping manifest indicates production volumes 	 Best Solution Available?: Need to restrict access to reports about shipping volumes Storage admin and sysprogs reading business datasets Security admins granting themselves authority Data security administrators granting improper access Access reduction for privileged users Impractical due to technical limitations If you remove my ability to I cannot commit to 	
Solution - Reduce need to sysprogs keep th anything" status	tical battle or costly re-orgs	
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	IBM Software Group Tivoli softwa	re 📰	V
C	ase study: Diversified Manu	facturer	
	 Situation: Decentralized and partitioned Departments with their own applications, responsibility and security administrators Administrators must be limited to very specific actions Only within their own department Prevent cross-department authorities 	 Best Solution Available?: Solution (?): implement GROUP SPECIAL, GROUP AUDITOR Impractical when profile ownership is not clearly specified in RACF Does not prevent Permit or Connect outside of department 	
	 RACF command screening – zSecure Command Verifier Each security change verified against granular policy Using masks for classes and profiles Appropriate defaults added, mistakes flagged down Audit reports for the departmental auditors – zSecure Audit Identifying inappropriate access and changes within department Identifying logon and activity of privileged users 		
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С	Case study: SOX reports		
	 Sarbanes Oxley requirements Monitor changes to operating system and security Monitor activities of privileged users Monitor irregular logons Verify operating system parameters against baselines Verify users with specific (high) application authority Best Solution Available?: Costly daily verification Manual creation of queries and reports Difficulty in baselining versus current state 	5	
	 zSecure Solution zSecure Suite Audit, Admin and Visual The current definitions are assumed to be "approved" Show changes compared to "yesterday" Inappropriate changes have to be identified within 1 day They will not show up in the report tomorrow The baselines are known Show parameters that are in conflict Approved changes must be reflected in the baseline Inappropriate changes will show up until they have been addres 		
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Mainframe as a Security Hub	
 z/OS is known for running mission-critical workloads for your Enterprise Ensuring your applications run and run securely is a business requirement 	
 z/OS offers highly available, secure, and scalable database hosting z/OS has well-honed security processing with very 	
 granular permissions capabilities z/OS offers superb auditing of operations performed control of user/group definitions in multiple registries, 	
 including RACF, from z/OS, is now available services-based security capabilities, hosted on z/OS, are now available 	•
 Using a combination of Linux for System z and z/OS systems, the mainframe can host the security functions for the Enterprise 	
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Considerations	
So ask yourself:	
 Would you like to do a better job of managing security from a busines perspective? 	SS
 How are you proving regulatory compliance today? Is it meeting your needs? 	
 Do you need to report/monitor/assess on compliance to regulatory mandates? 	
 Do you need to enhance the audit/reporting/admin capabilities of you current security system? 	r
Are your security initiatives disjointed?	
 Think back to Marc's presentation on Common Problems of complian that Gartner reported – do they fit your organization? 	ice
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