Extending Your Mainframe for More Business Value Extend Data Security on the Mainframe





Mainframe Extension Solution – Data Security























Abraxas Informatik Uses RACF for Secure Outsourcing Services

- Abraxas Informatik AG is one of the largest governmental outsourcers in Switzerland
- Challenges Abraxas faced:
 - ▶ High levels of security were needed to handle confidential government information
 - ▶ Both CA ACF2 and Top Secret were installed, requiring staff knowledgeable in both
 - > Abraxas needed to simplify their security structure, and reduce security expenses

Solution:

- Replaced ACF2 and TopSecret with RACF
- RACF allowed Abraxas to quickly manage resource access and user accountability
- Results:
 - Abraxas now saves 200,000 Swiss francs or \$US 180,042 annually
 - Abraxas is now better positioned to offer excellent security services while keeping its fees competitive

abraxas_Informatik AG

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Tivoli Compliance Insight Manager Provides System Wide Security Management

Mainframe Extension Solution – Data Security Make the Most of What You Already Have!

System z	System z trusted base	Workload isolation and storage protection, common criteria evaluation
	z/OS	Avoid need for extra virus control mechanisms or firewalls with System z architecture
	SMF, RACF	Built in logging with SMF records in a consistent format, turn on logging, use RACF to log events
Data Security	RACF	MLS capabilities of RACF, DB2 provide granular security to support different classification schemes
	CPACF	Entitled clear key cryptography
	ЕКМ	Provides the ability to issue, maintain and retrieve cryptographic keys
Communications	z/OS Communications Server	Provides intrusion defense , policy management as well as secured communications
	AT -TLS	Communications Server of System z provides easily accessible encrypted communications for applications
Further extend security		
Encryption	TS 1120 tape drive and C06 CU	Secured tape drive with encryption capabilities built in
	2 Crypto Express2 Cards	Buy crypto cards for acceleration and co-processing
	zIIPs (Comm Server + zIIP)	Leverage zIIPs for IPSec
Compliance And Testing	zSecure	Simplifies administration and provides auditing analysis tools
	TSOM	Tivoli Security Operations Manager provides advanced network and systems security event management
	TCIM	Tivoli Compliance Insight Manager provides auditing and compliance reporting
	Optim	Optim provides testing while protecting data confidentiality
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