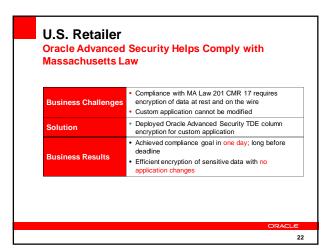
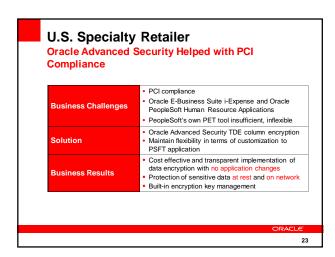


## Oracle Advanced Security TDE for Data Pump and RMAN Oracle Data Pump Bulk export/import to operating system flat files Oracle RMAN Database backups and recovery Use local master encryption key or passphrase to encrypt export or backup file

## Oracle Advanced Security Network Encryption and Strong Authentication • Encrypts SQL traffic to and from the database • AES (256, 192, 128 bit keys) • RSA RC4 (256, 128 bit keys) • 3DES (3 and 2 key) • Diffie-Hellman key exchange • Data integrity with checksums • SHA-1 • Automatically detects modifications, replays, missing packets • Strong Authentication • Kerberos, PKI, and RADIUS







Customer	Overview
Dress Barn	Encrypt credit card numbers as soon as they enter their tokenization server
	"Within a few hours we were up and running with no performance impact"
Yuntaa (Belgium)	TDE column encryption in 11gR1 to encrypt 'SecureFile' columns, where their customer's personal data is stored
	"I wouldn't trust the encryption of our content to anything or anyone else"
Daewoo Securities	TDE used to encrypt PII data in relation to financial transactions
	"We used Oracle's database security solutions to resolve internal security issues, a common challenge for financial institutions while Oracle Advanced Security has automated encryption functions that further protects sensitive information."

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