



### JENS NEUHALFEN

### SLEEP BETTER WITH CONTENT ENCRYPTION

## **ALGORITHM ROLLOVER**



Problem: Algorithms must be changed and data migrated Solution: Design for online data migration

Record-ID	• • •	Masterkey ID	(Data)
B9E10DEE-C97E	• • •	B874920B-E801	• • •
FDE0C6E3-8BF0		9A6580FC-1248	• • •
• • •	• • •	9A6580FC-1248	• • •

# **ALGORITHM ROLLOVER**

		DES	BLOW	FISH	AES	
	ME	)5	SHA-1		SHA-25	6
RSA-1024		RSA-2048		1	?? POST (	QUANTUM ??

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Solution: Design for online data migration

Record-ID	Algorithms	Masterkey ID	(Data)
B9E10DEE-C97E	<ul><li>PBKDF2()</li><li>AES128–</li><li>GCM</li></ul>	B874920B-E801	•••
FDE0C6E3-8BF0	<ul> <li>SCRYPT()</li> <li>AES256–CBC</li> <li>PKCS#5</li> </ul>	9A6580FC-1248	• • •
• • •	• • •	9A6580FC-1248	•••

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