



JENS NEUHALFEN

User	Salary	MAC*
Alice		0x4711
Eve		0xabcd
• • •	• • •	• • •

3,141€

2,718 €

SLEEP BETTER WITH CONTENT ENCRYPTION

DATA INTEGRITY & ASSOCIATION





EVE GETS AN INSTANT PROMOTION



Problem: Protected data can be "replayed".

0x4711...

DATA INTEGRITY & ASSOCIATION

OX123456..

Problem: Protected data can be "replayed".

Solution: Cryptographically bind data to context.

User 	Salary	MAC*
Alice	3,141€	0xabcd
Eve	2,718€	0x9876
including the userna	mo in the hack/hm:	•••

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OX123456...

Problem: Protected data can be "replayed".

