



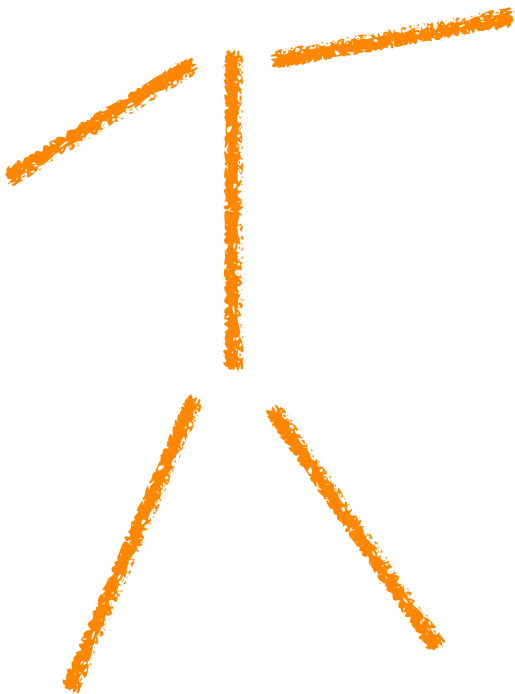
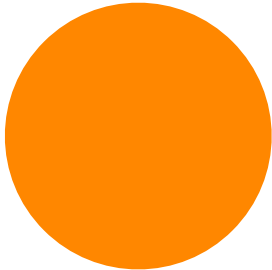
JENS NEURHAALFEN

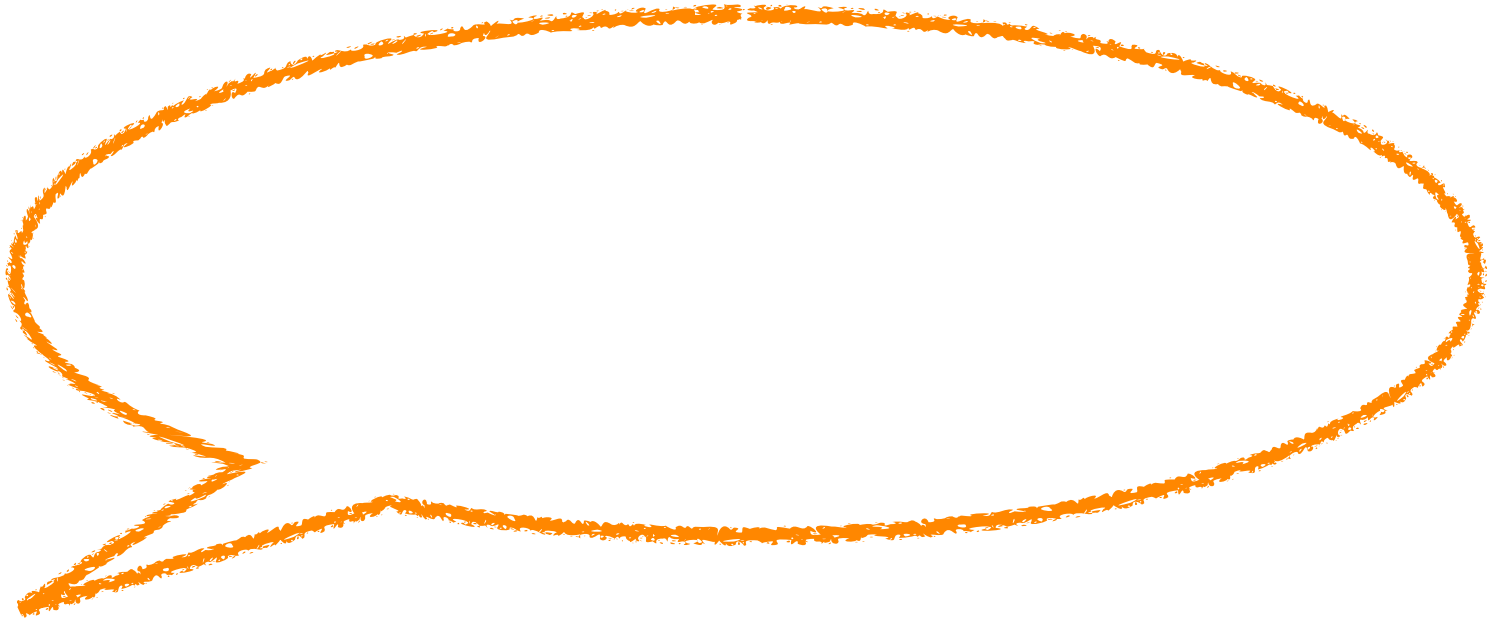


- ▶ Full disk encryption
- ▶ File system encryption
- ▶ Transparent database encryption

Help against stolen hard disks.

TRANSPARENCY





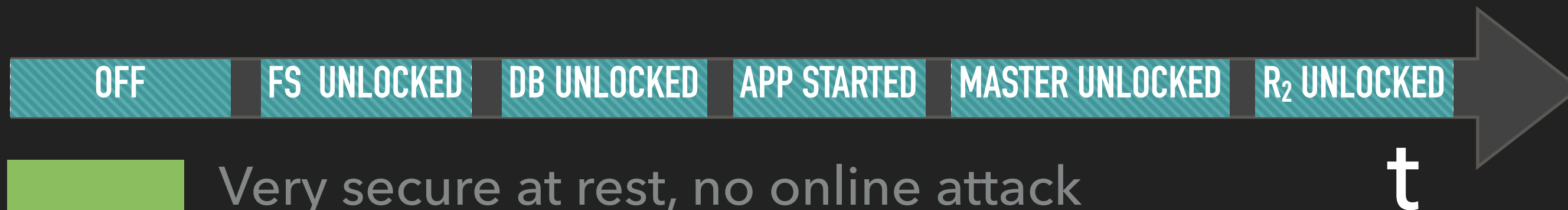
What?

**Transparent encryption
is also transparent to the attacker**

?!?!



TRANSPARENT ENCRYPTION (ATTACKS VIA APPLICATION)



Very secure at rest, no online attack



Very secure at rest, key in RAM



Very secure at rest, data in RAM



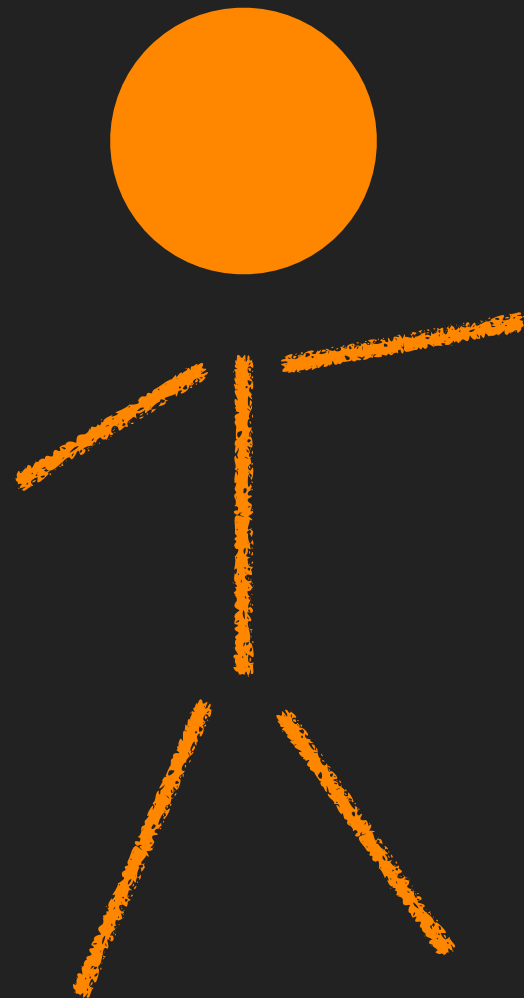
Completely accessible

* Filesystem

TRANSPARENT ENCRYPTION



What?
Transparent encryption
is also transparent to the attacker
?!?!



- ▶ Full disk encryption
- ▶ File system encryption
- ▶ Transparent database encryption

Help against stolen hard disks.