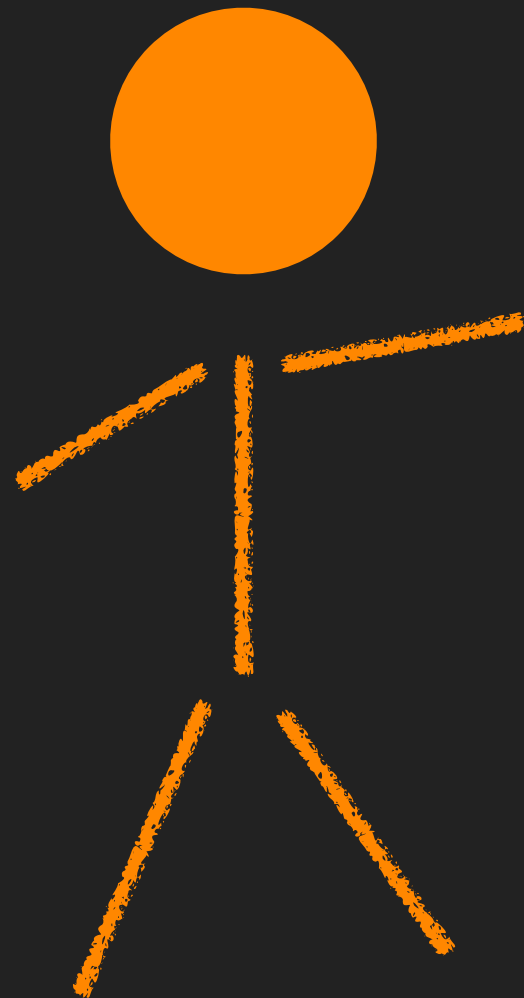# TRANSPARENT ENCRYPTION
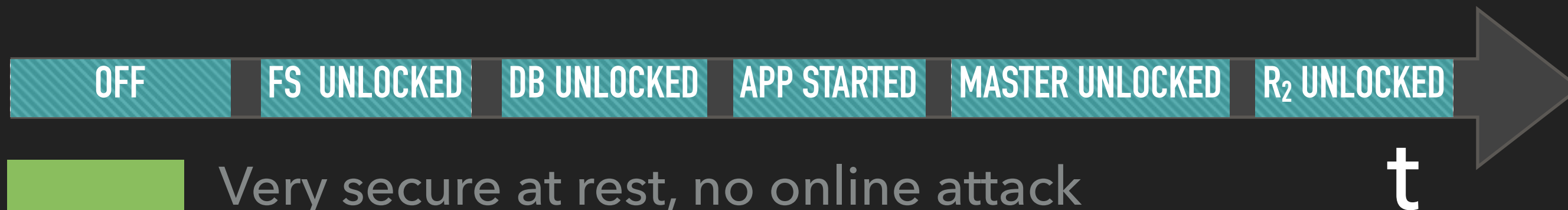
What?
Transparent encryption
is also transparent to the attacker
?!?!

▸ Full disk encryption

▸ File system encryption

▸ Transparent database encryption

Help against stolen hard disks.

TRANSPARENT ENCRYPTION (ATTACKS VIA APPLICATION)

Attack

| OFF | FS UNLOCKED | DB UNLOCKED | APP STARTED | MASTER UNLOCKED | R$_2$ UNLOCKED |

t

Very secure at rest, no online attack

Very secure at rest, key in RAM

Very secure at rest, data in RAM

Completely accessible

* Filesystem