



JENNER

APPLICATION

DATABASE

DATABASE

TLS

TLS



SLEEPER CENTER

WHAT'S CONTENT ENCRYPTION?

- ▶ Encrypt** data 'itself'
- ▶ E.g. encrypted** data at rest
- ▶ Even: Protected** data while working with it

CLIENT

WHAT ABOUT TLS?

- ▶ Data is at rest for ~99.99998% of the time (*)
- ▶ Also: Heartbleed, POODLE, DROWN, Lucky13, Logjam, FREAK, ...
- ▶ Also: Backups!



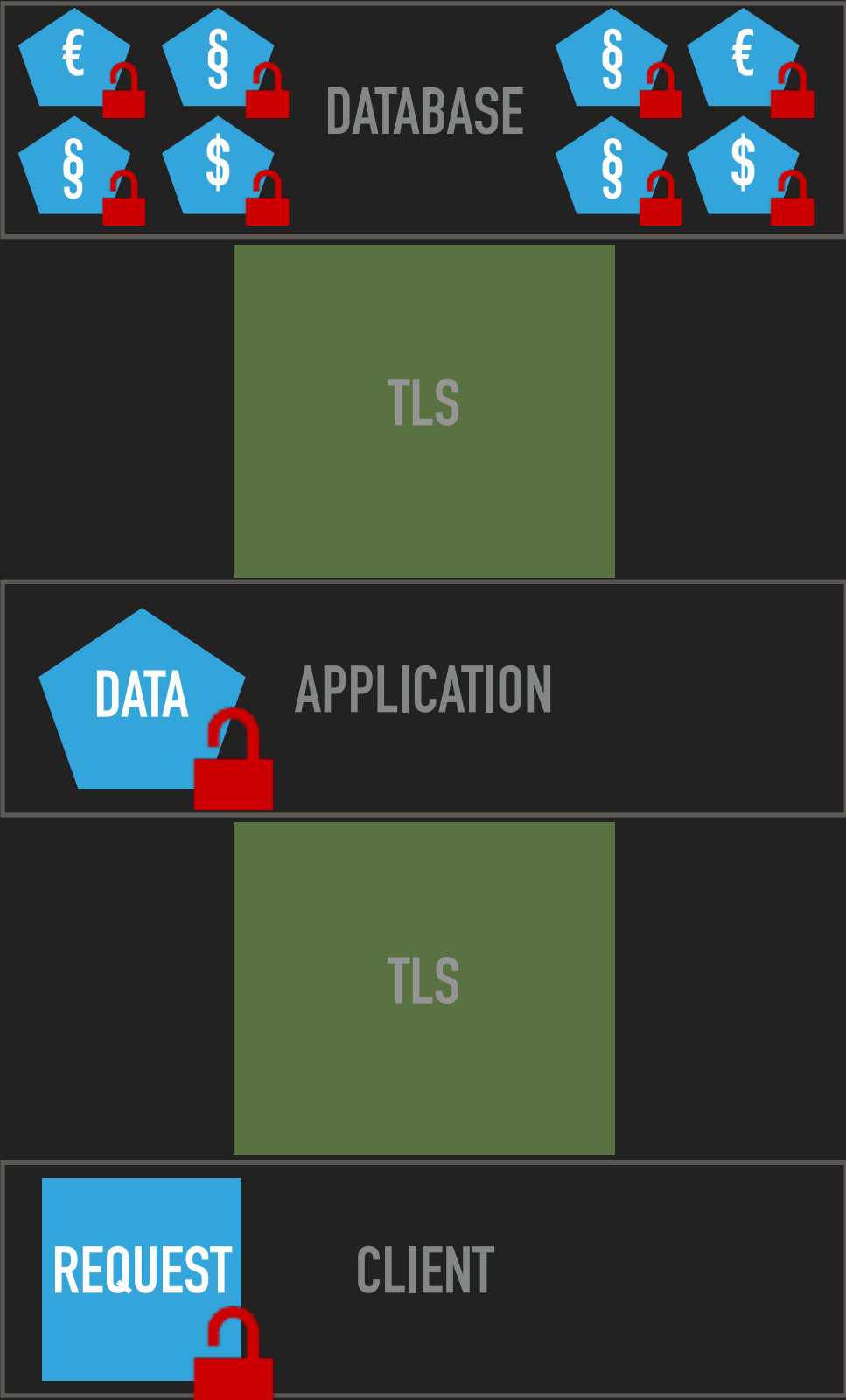




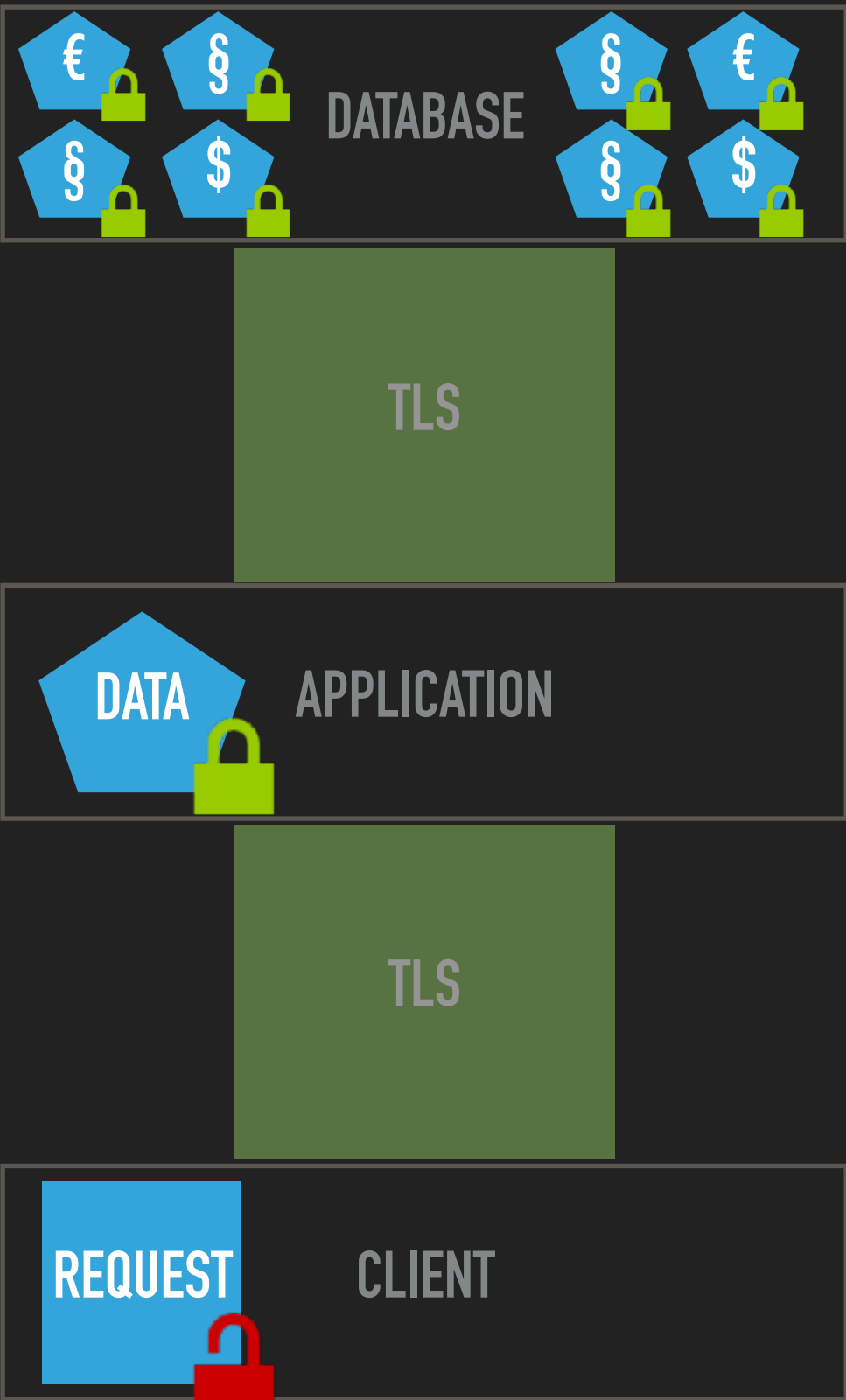
(*) $10 \text{stransit}/2 \text{years}$ to range



(**) Cryptographically protected - details later!



VS.

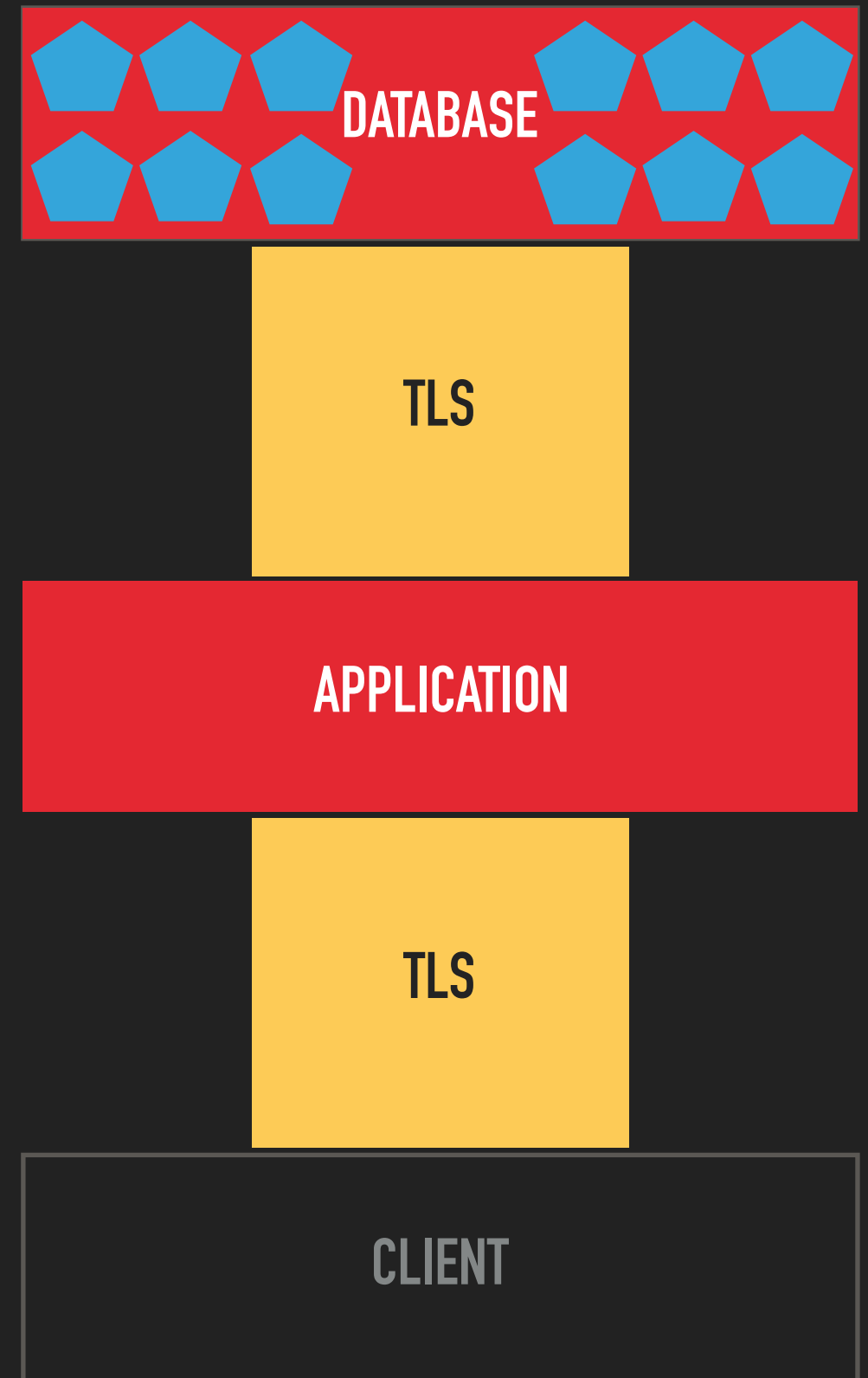


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(*) 10s transit / 2 years storage

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