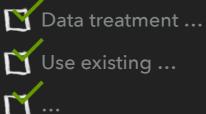


## **PATTERNS**

## CRYPTO CHECKLIST

## **CRYPTO CHECKLIST**



- Data treatment plan created and consequences accepted by management Trust anchors identified and named Sensitive operations (crypt, sign,..) require client authentication (applies to services too!) Existing (e.g. RFC 4880) protocols & formats used wherever possible Nonces used only once. Random salt used where possible Cryptographic concept written down & challenged in review (Master-)Key offsite backup established
- Key refresh after a few GiB of encrypted data implemented and tested
- Algorithm rollover implemented and tested
- Entropy source with enough entropy used
- Test cases include restore of old data (key/algorithm rollover)