



SUMMARY

1

1

2

Comparing data

Transparent encryption

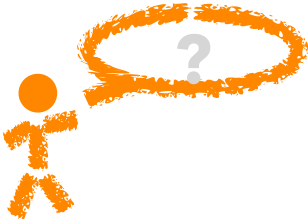
Storing data

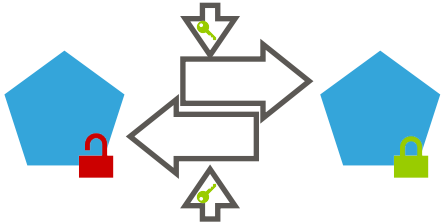
Key derivation

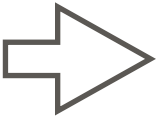
Key refresh

Algorithm rollover

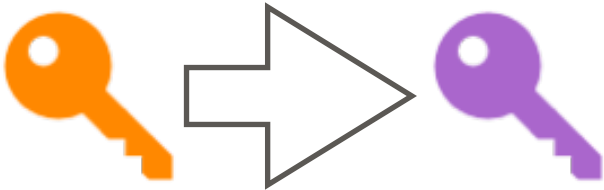












**DES**

**BLOWFISH**

**AES**

**MD5**

**SHA-1**

**SHA-256**

**RSA-1024**

**RSA-2048**

**?? POST QUANTUM ??**

# SUMMARY

0X123456...



Integrity

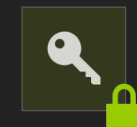
Moving Data



```
int getRandomNumber()
{
    return 4; // chosen by fair dice roll.
              // guaranteed to be random.
}
```

Entropy

Access Control



DATA

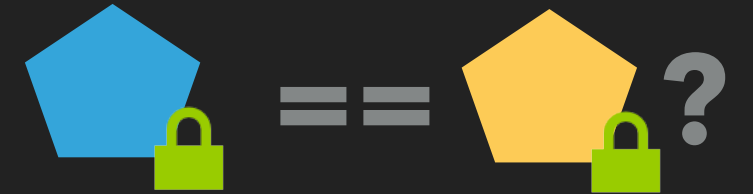


- ☒ Data treatment ...
- ☒ Use existing ...
- ☒ ...

Crypto Checklist

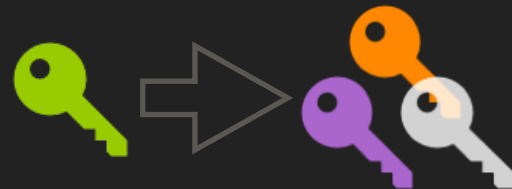
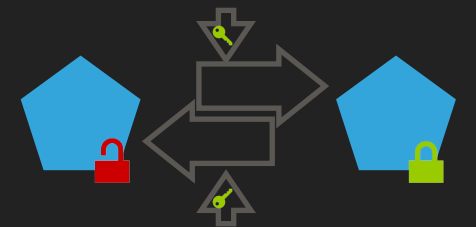
# SUMMARY

Comparing data



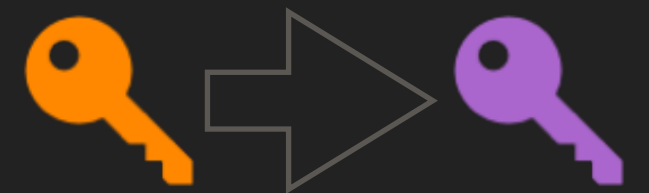
Transparent encryption

Storing data



Key derivation

Key refresh



Algorithm rollover

