

# Cryptography

## Conclusions

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# Compression vs Encoding vs Encryption

- ➡ Compression is a potentially reversible operation to reduce the size of data. It may leverage an encoding which uses less bits to store data. It should not be used to secure data by itself. E.g zip, tar, zip, gzip etc
- ➡ Encoding is the reversible representation of data e.g base64, UTF-8, UTF-16 etc
- ➡ Encryption is the concealing of data using a cryptographic algorithm and a secret value (the “Key”)