Lab Assignment

Practical Cryptography

NS-05-L1
Base64 Manual Encoding

Lab Objective

Learn the basics of binary encoding.

Lab Mission

Practice manual Base64 encoding.

Lab Duration

15–30 minutes

Requirements

- Basic knowledge of the ASCII table and binary character values.

Resources

- Environment & Tools
  - Web browser

Lab Task

Encode your name in Base64 manually, and check the results using a Base64 decoder.

1 Acquire the binary values of your name's characters using an online service or an ASCII table.

2 Divide the binary into groups of six numbers.

3 Convert the result to the correct Base64 letters.

4 Check the results using a Base64 decoder online.