



# Generic Cryptographic Interface

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### 2 Context management

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- 3 Hash
- 3.1 Algorithm of hash
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### 4 Signature

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- 5.2 Steps to generate a key pair

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# 7 Generate Diffie-Hellmann key pair

- 7.1 Configuration of a Diffie-Hellmann key pair
- 7.1.1 Diffie-Hellmann (DH)
- 7.1.2 Elliptic Curve Diffie Hellmann (ECDH)
- 7.2 Steps to generate a Diffie-Hellmann key pair

- 8 Calculate a Diffie-Hellmann shared secret
- 8.1 Steps to calculate a shared secret

### 9 Pseudo-Random Number Generator

- 9.1 Generate a pseudo-random number
- 9.2 Seed a pseudo-random number

# 10 Key management

- $10.1\,$  Save a key as big number and get an ID
- 10.2 Get a saved key with his ID
- 10.3 Delete a key

# **Bibliography**

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