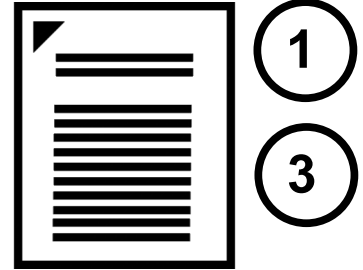
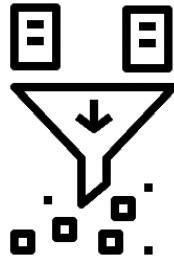


Password-Based Cryptography

password



salt



Password-Based Cryptography Process

- password and salt concatenated
- result is repeatedly hashed producing derived key
- payload is CBC-encrypted with derived key and IV
- prepend salt and IV to encrypted message
- base64 encode the result

Underlying Algorithms

	DES	AES256
MD5		
SHA1		
SHA512		

■ ■ Perl, Python, Java, .Net

■ Perl, .Net