Q1 Note the name of the algorithm. What does each part refer to (aes, 128, cbc)?

aes-128-cbc:

* AES -> Advanced Encryption Standard
* 128 -> 128-bit key
* Cbc -> Cipher Block Chaining, which is a mode of operation for block ciphers. In CBC mode, each plaintext block is XORed with the previous ciphertext block before being encrypted, adding an element of diffusion to the encryption process and making it more secure.