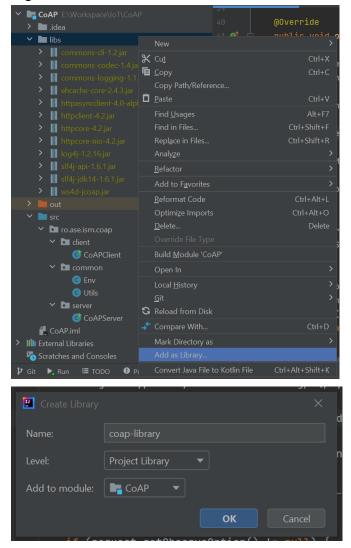
CoAP Implementation

- 1. Open the project in Intellij.
- 2. Right click on the "libs" folder to add it as a library.

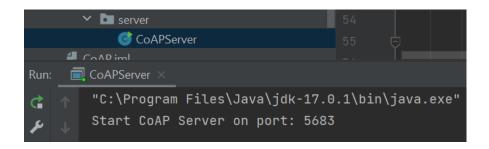


3. Run CoAPServer.main().

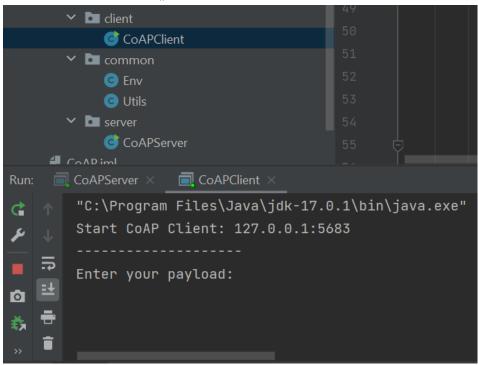
The Server will run on localhost, port 5683 (CoAP default port).

Endpoint available: /security

Algorithm used: AES/CBC/PKCS5Padding



4. Run CoAPClient.main()



5. Enter a message in the console.

```
CoAPServer × CoAPClient ×

"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Program Start CoAP Client: 127.0.0.1:5683

Enter your payload: test-poyload
Encrypted Payload: 5luHJT89hZLodMJ8sJP5JQ==
Request sent: CON, POST, MsgId: 33656, #Options: 2
Response received: ACK, Content_205, MsgId: 33656, #Options: 3

Enter your payload:
```

The message will be sent to the server and the response will be received.

6. The server receives the payload.

```
Run: CoAPServer × CoAPClient ×

"C:\Program Files\Java\jdk-17.0.1\bin\java.exe" "-javaagent:C:\Program Start CoAP Server on port: 5683

Connection accepted.

Received message: CON, POST, MsgId: 41374, #Options: 2 URI: /security

Received Payload: test-payload
```

7. In this example, the message "test-payload" was encrypted and sent to the server, where the server received it and decrypted it.