

```

1  FYKO Java Client.
2
3  Step 1: Generate RSA Keypair
4
5  Step 2: Build payload to get ann from server.
6  Payload for getting
   ann:{"rsa_public_key_2048_base64":"MIIBIjANBgkqhkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEA3hL6iYfj/x
   tmhs5T2Ua5SXpmrw2faZJKPZAfHfK3f2aDAkWoTVYUlyhRd/Rs7h1N68fkFiCLxbVMNEa3OtLZ716gggggygbNLn+6
   GZ5UoqhgHokVp8GyCcpBe8DBqvZ7uxclqxdup9Rc18ZHGkN4hxN3Wsu2TXFOycCmOCA4w/fwv10mavUTkSlNfR3f
   gFVc/OvO3x1th5cdewOneH6SGuO2O9nIVdZ7Vu46c16//KlAz4WgKk384Y9r1EbUMsEdXhf/BMQGW9PfNqntcfk3V
   cj5RCEUITNgzvlDYIxHYeJfyxE0sfAvbt7p40k5hiyt6iWZNP2o+krMPz1yCOOlAwIDAQAB","format":"h5"}
7
8  Step 3: Send payload to server.
9
10 Step 4: Parse the payload obtained from the server containing the encrypted ann model
11 annId=simple_model_h5_1683982891.5879002.h5.encrypted
12
13 Step 5: Decryting AES Key used to encrypt the model.
14
15 Step 6: Decryting ANN Model using the AES Key
16
17 Step 7: Save the model to file:simple_model_h5_1683982891.5879002.h5.encrypted
18
19 Step 8: Load the model with name:simple_model_h5_1683982891.5879002.h5.encrypted
20 SLF4J: Failed to load class "org.slf4j.impl.StaticLoggerBinder".
21 SLF4J: Defaulting to no-operation (NOP) logger implementation
22 SLF4J: See http://www.slf4j.org/codes.html#StaticLoggerBinder for further details.
23
24 Step 9: Build message payload to send to the server
25 mean=0.07584159076213837
26 UTC Time=1683982923,
   randomString=dc7a9699-be2d-45ec-9d8b-d937007467e5,aesKey=6bef21b2423fb4c086cec77a07ec73de
   bcece42982b533c26f98eb5125273a4d
27 Secret Message:message id:e40211cc-5c9d-45fb-89ce-90a8dfe7fe08
28 English: FYKO is a cool project
29 Telugu: FYKO ఒక మంచి ప్రాజెక్ట్
30 Hindi: FYKO एक अच्छा प्रोजेक्ट है
31 Portugese: FYKO é um projeto legal
32 Thai: FYKO เป็นโครงการที่ยอดเยี่ยม
33 Chinese: FYKO是一個很酷的項目
34 Japanese: FYKOはクールなプロジェクトです
35 Korean: FYKO는 멋진 프로젝트입니다
36 Irish: Is tionscadal fionnuar é FYKO
37 Arabic: مشروع رائع
38 Sending secret message to
   server:{"utc_time_seconds":1683982923,"random_string":"dc7a9699-be2d-45ec-9d8b-d937007467
   e5","encrypted_message":"BJgO2HP2VzB095ZgRJd0inhbXx69GF2XfBBWlVF+3H7MiTLENq2v/RKbW5FaeXSF
   OiZCzFmwz6v6rG4QtMWEd939vCxLJp7s5lqj/fDq3rI9Npi4uMKAdbrxHteddVPbDsJY05bXgcHN5LYz+KN/94boh
   aChQA/9pjGtKyqC+7bN3ypgyIWl7iXpJAjox35gIY+mj91friI0Qiet56/D59lvHIOxEOEq48EFmGf+NrbJNNnt
   HX5Wp+F2VhYsozhz2gZcNLTSbIGjEE6haUFEACRLaY6g/S5SYy07LWExtgeSVPovvkjM0lQrkbC2oh0NcY2Ge/qWa
   yhJBcdeyAuRskApAjIP0SpEOOtgM2ZjaYdpSfr4zAZO/2syMXrU8dEq0Y5Kf00kGHmQZbtL2ZHBIS3OHGz9lSs1fV
   HawrEoROzmgiKY5O5Ja16awmqBzx8CJ4JNj12Uaas2iGoJUxBuhWgTShVzdwH058sbuH+y2UoV0dyACU24kA3xDp
   RUxHiKA3UQq0ffihQRgGpMMSc1nE7M3y2jP8EfsLAoutLFrZJXE5WVgu0ni0C9CLIdIYjN2l8h2qrEesv3LN3tugA
   C0cpoyJpRBjBsZJhmssN5ZXuOHkBg8eFx7d/bdWlgrlhcMJKYySYSV5WN8bVVSjq5UWDS2cY8hzyiavbDfTlkn9Mc
   fUf7QPpyqVsvIK/dWfUqhiIK0YNH/cShkj5+csjgQscoqZyOz530BwSbo2jyTaTIyrZDWBHyeEfaWYr1hT6S3I6dWE
   P0mgw8LP7yFoS2fcWQZOD/entaT74lBSHPZTCm7Uxnu03+MyuCeFNVEid5wfaH/a7SbHDA88Zh4cdC2A4CUalfEBJ
   b3oKSbivmLOLxoKO/GhsrLFA5D8cyb3U7SkaCwCiUsvMRjD7+ExAu5EZlvO+W/I9RqqG9vSsbqNPPPrCCv7pBLxiD
   5XlnzK+WMRCsleleoXzCIiFKDUSw==","ann_id":"simple_model_h5_1683982891.5879002.h5.encrypted
   "}
39 Response from Server:{
40   "request_message": "message id:e40211cc-5c9d-45fb-89ce-90a8dfe7fe08\nEnglish: FYKO is
   a cool project \nTelugu: FYKO \u0012\u0015 \u002e\u00c0\u001a\u003f
   \u002a\u00c4\u0030\u00c3e\u001c\u00c46\u0015\u00c4d\u001f\u00c4d \nHindi: FYKO
   \u0090f\u00915 \u00905\u0091a\u0094d\u0091b\u0093e
   \u0092a\u0094d\u00930\u0094b\u0091c\u00947\u00915\u0094d\u0091f \u00939\u00948 \nPortugese: FYKO
   \u00e9 um projeto legal \nThai: FYKO
   \u00e4\u00e1b\u00e47\u00e19\u00e42\u00e04\u00e23\u00e07\u00e01\u00e32\u00e23\u00e17\u00e35\u00e48\u00
   e22\u00e2d\u00e14\u00e40\u00e22\u00e35\u00e48\u00e22\u00e21 \nChinese:
   FYKO\u0062f\u004e00\u00500b\u005f88\u009177\u007684\u009805\u0076ee \nJapanese:

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FYKO\u306f\u30af\u30fc\u30eb\u306a\u30d7\u30ed\u30b8\u30a7\u30af\u30c8\u3067\u3059  
 \nKorean: FYKO\ub294 \uba4b\uc9c4 \ud504\ub85c\uc81d\ud2b8\uc785\ub2c8\ub2e4 \nIrish:  
 Is tionscadal fionnuar \u00e9 FYKO \nArabic: FYKO \u0645\u0634\u0631\u0648\u0639  
 \u0631\u0627\u0626\u0639"