Hack The Box: OpenAdmin

 $//{\rm My}$  first hack the box exploitation. Great experience. Will do more for sure.

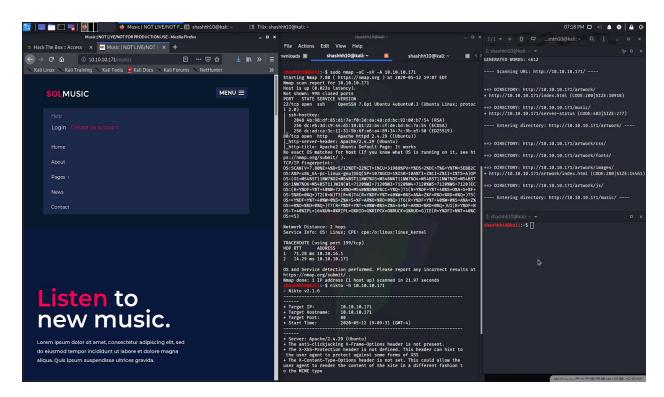
Exploiting a vulnerable machine at target IP 10.10.10.171 known as OpenAdmin

## Strategy:

Compromise the vulnerable machine in order to gain privileged access for the root. And exfiltrate root.txt

## Tactics:

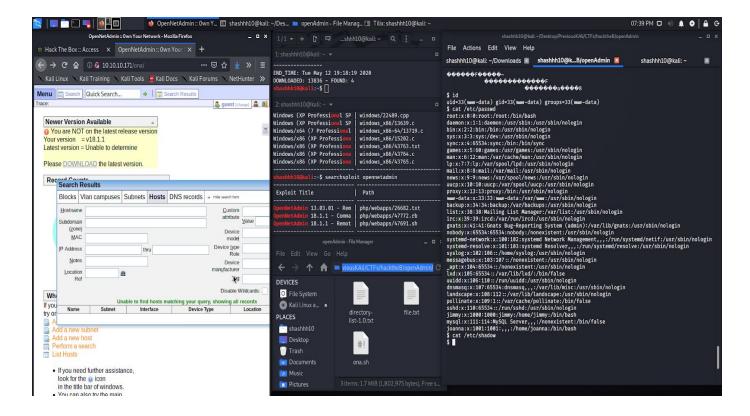
1. Perform a network scan. Using nmap to discover target Ip 10.10.10.171. Scanning it for all the vulnerable ports with Nikto and checking all the accessible directories with dirb. It had an open ssh service at port 22. A website on port 80 using an Apache service.



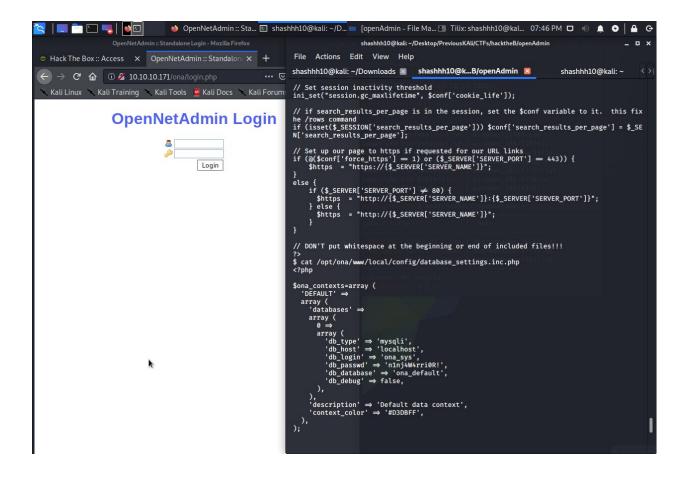
2. Got access to 10.10.10.171/music directory.

Got access to the login page. After discovering a remote code execution vulnerability "OpenNetAdmin" tried to get a reverse php script to gain access to the shell with the 26682 vulnerability.

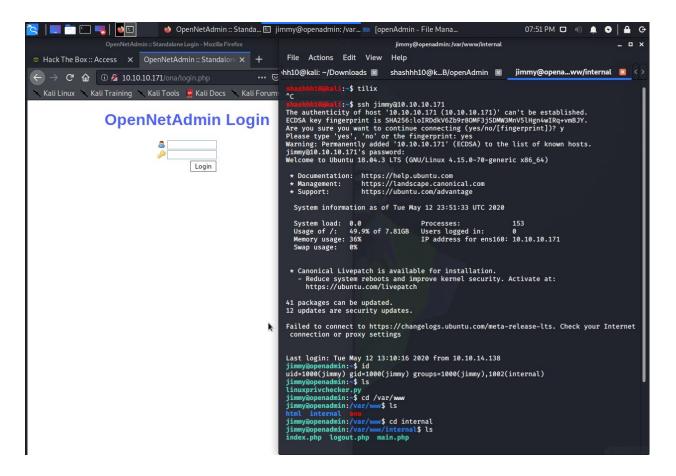
After gaining access to the server, exfiltrated the users jimmy, joanna and root. No privilege escalation yet.



While exfiltrating the server. Gained access to the sql database document. Gained the credentials to user jimmy. Password: n1nj4W4rriOR!



3. Using the ssh login with user jimmy's credentials to gain access to the shell. Accessed the /var/www directory



Used hydra the online password cracking tool to bruteforce and gain the credentials for user jonna. But the user jimmy had a hidden rsa key

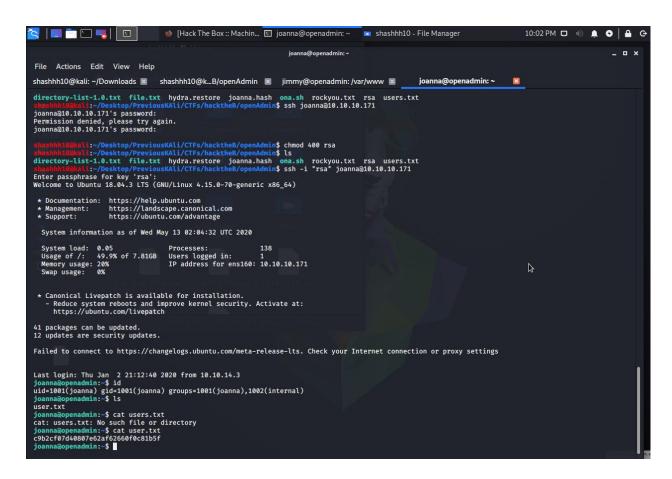
----BEGIN RSA PRIVATE KEY----

Proc-Type: 4,ENCRYPTED

DEK-Info: AES-128-CBC, 2AF25344B8391A25A9B318F3FD767D6D

kG0UYIcGyaxupjQqaS2e1HqbhwRLlNctW2HfJeaKUjWZH4usiD9AtTnIKVUOpZN8 ad/StMWJ+MkQ5MnAMJqlQeUbRxcBP6++Hh251jMcq8yqYcx1UMD03ZjaRuwcf0Y0 ShNbbx8Euvr2aqjbF+ytimDyWhoJXU+UpTD58L+SIsZzal9U8f+Txhqq9K2KQHBE 6xaubNKhDJKs/6YJVEHtYyFbYSbtYt4lsoAyM8w+pTPVa3LRWnGykVR5q79b7lsJ ZnEPK07fJk8JCdb0wPnLNy9LsyNxXRfV3tX4MRcjOXYZnG2Gv8KEIeIXzNiD5/Du y8byJ/3I3/EsqHphIHqD3UfvHy9naXc/nLUup7s0+WAZ4AUx/MJnJV2nN8o69JyI 9z7V9E4q/aKCh/xpJmYLj7AmdVd4Dl00ByVdy0SJkRXFaAiSVNQJY8hRHzSS7+k4 piC96HnJU+Z8+1XbvzR93Wd3klRMO7EesIQ5KKNNU8PpT+0lv/dEVEppvIDE/8h/ /U1cPvX9Aci0EUys3naB6pVW8i/IY9B6Dx6W4JnnSUFsyhR63WNusk9QqvkiTikH 40ZNca5xHPij8hvUR2v5jGM/8bvr/7QtJFRCmMkYp7FMUB0sQ1NLhCjTTVAFN/AZ fnWkJ5u+To0qzuPBWGpZsoZx5AbA4Xi00pqqekeLAli95mKKPecjUgpm+wsx8epb 9FtpP4aNR8LYlpKSDiiYzNiXEMQiJ9MSk9na10B5FFPsjr+yYEfMylPgogDpES80 X1VZ+N7S8ZP+7djB22vQ+/pUQap3PdXEpq3v6S4bfXkYKvFkcocqs8IivdK1+UFq S33lgrCM4/ZjXYP2bpuE5v6dPg+hZvnmKkzcmT1C7YwK1XEyBan8flvIey/ur/4F FnonsEl16TZvolSt9RH/19B7wfUHXXCyp9sG8iJGklZvteiJDG45A4eHhz8hxSzh Th5w5quPynFv610HJ6wcNVz2MyJsmTyi8WuVxZs8wxrH9kEzXYD/GtPmcviGCexa RTKYbgVn4WkJQYncyCOR1Gv3O8bEigX4SYKqIitMDnixjM6xU0URbnT1+8VdQH7Z uhJVn1fzdRKZhWWlT+d+oqIiSrvd6nWhttoJrjrAQ7YWGAm2MBdGA/MxlYJ9FNDr 1kxuSODQNGtGnWZPieLvDkwotqZKzdOq7fimGRWiRv6yXo5ps3EJFuSU1fSCv2q2 XGdfc80bLC7s3KZwkYjG82tjMZU+P5PifJh6N0PqpxUCxDqAfY+RzcTcM/SLhS79 yPzCZH8uWIrjaNaZmDSPC/z+bWWJKuu4Y1GCXCqkWvwuaGmYeEnXD0xGupUchkrM +4R21WQ+eSaULd2PDzLClmYrplnpmbD7C7/ee6KDTl7JMdV25DM9a16JYOneRtMt qlNqzj0Na4ZNMyRAHEl1SF8a72umGO2xLWebDoYf5VSSSZYtCNJdwt31F7I8+adt z0qlMMmjR2L5c2HdlTUt5MqiY8+qkHlsL6M91c4diJoEXVh+8YpblAooqOHHBlQe K1I1cqiDbVE/bmiERK+G4rqa0t7VQN6t2VWetWrGb+Ahw/iMKhpITWLWApA3k9EN ----END RSA PRIVATE KEY----

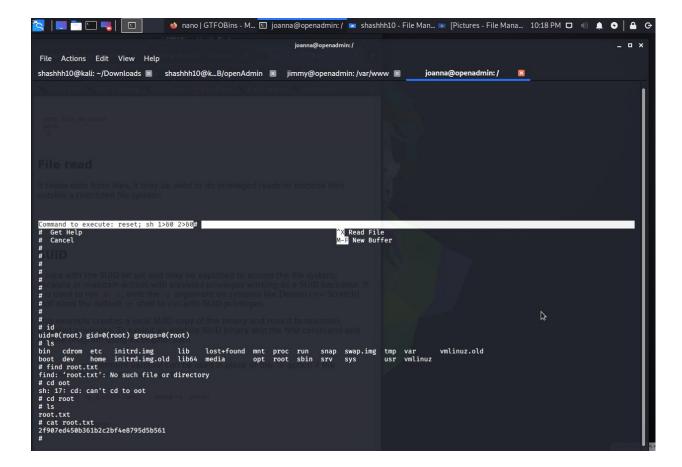
4. Converted this key into a hash document "joanna.hash" and used JOhn the password hash cracking tool to crack this hash using the rockyou.txt. And gained access to the user joanna's credentials. Password: bloodninjas Exfiltrated the users.txt file.



5. Tried privilege escalation. User "Joanna" can gain access to root through the /bin/nano /opt/priv after running a remote code execution through the sudo shell.

Using the "reset; sh 1>&0 2>&0"

Gained access to root and exfiltrated the root.txt file



-----\*End-of-HTB\*------