Ex. No.: 1 **Date:30-08-2024**

CAPTURE FLAGS-ENCRYPTION CRYPTO 101

Aim:

To capture the various flags in Encryption Crypto 101 in TryHackMe platform.

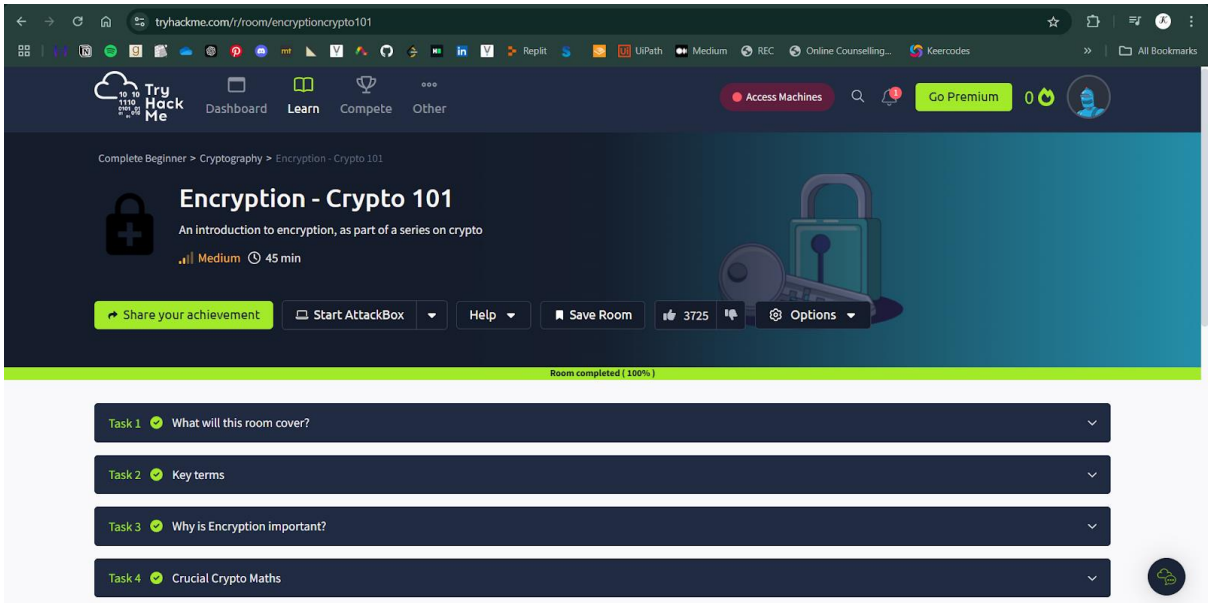
Algorithm:

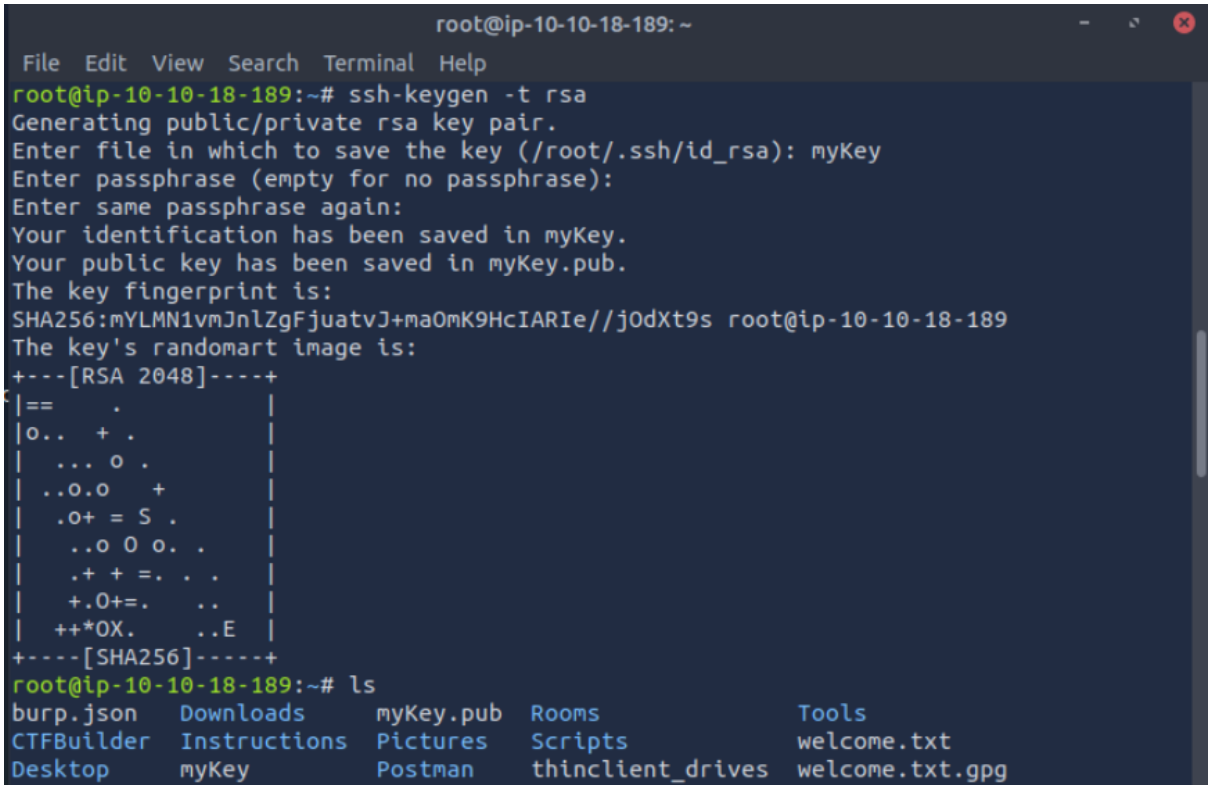
1. **Access the Encryption Crypto 101 lab in TryHackMe platform using the link below-**

https://tryhackme.com/r/room/encryptioncrypto101

2. **Click Start AttackBox to run the instance of Kali Linux distribution.**
3. **Solve the crypto math used in RSA.**
4. **Find out who issued the HTTPS Certificate to tryhackme.com**
5. **Perform SSH Authentication by generating public and private key pair using ssh-keygen**
6. **Perform decryption of the gpg encrypted file and find out the secret word.**

Output:


tryhackme.com/r/room/encryptioncrypto101
Try Hack Me
Dashboard
Learn
Compete
Other
Access Machines
Go Premium
Complete Beginner > Cryptography > Encryption - Crypto 101
Encryption - Crypto 101
An introduction to encryption, as part of a series on crypto
Medium
45 min
Share your achievement
Start AttackBox
Help
Save Room
3725
Options
Room completed (100%)
Task 1 What will this room cover?
Task 2 Key terms
Task 3 Why is Encryption important?
Task 4 Crucial Crypto Maths



root@ip-10-10-18-189:~# gpg --import tryhackme.key

gpg: /root/.gnupg/trustdb.gpg: trustdb created

gpg: key FFA4B5252BAEB2E6: public key "TryHackMe (Example Key)" imported

gpg: key FFA4B5252BAEB2E6: secret key imported

gpg: Total number processed: 1

gpg: imported: 1

gpg: secret keys read: 1

gpg: secret keys imported: 1

root@ip-10-10-18-189:~# gpg message.gpg

gpg: WARNING: no command supplied. Trying to guess what you mean ...

gpg: encrypted with 1024-bit RSA key, ID 2A0A5FDC5081B1C5, created 2020-06-30

"TryHackMe (Example Key)"

gpg: WARNING: no command supplied. Trying to guess what you mean ...

gpg: encrypted with 1024-bit RSA key, ID 2A0A5FDC5081B1C5, created 2020-06-30

"TryHackMe (Example Key)"

Result: Thus, the various flags have been captured in Encryption Crypto 101 in TryHackMe platform.