

Ex. No.: 1

Date: 06.08.2024

CAPTURE FLAGS-ENCRYPTION CRYPTO 101

Aim:

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

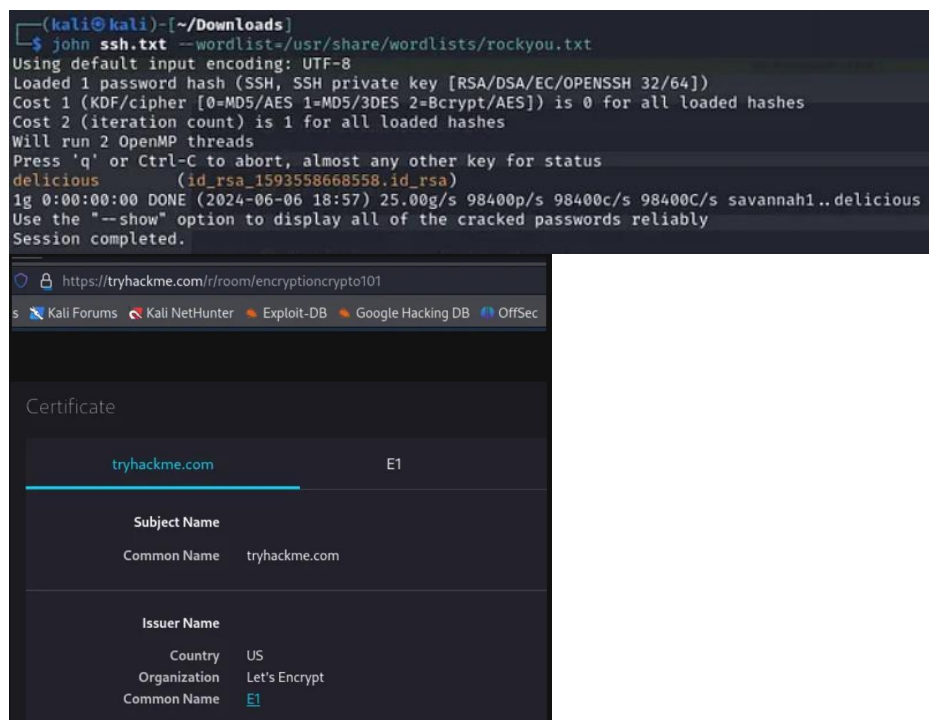
Algorithm:

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.

The screenshot displays the TryHackMe interface for the 'Encryption - Crypto 101' room. The room is described as 'An introduction to encryption, as part of a series on crypto' with a 'Medium' difficulty and a '45 min' estimated time. It has 3725 likes and a 'Start AttackBox' button. Below the room header, there is a list of 12 tasks, all marked as completed with green checkmarks. At the bottom, a summary table provides details about the room's creator, type, user count, and creation date.

Task	Status	Description
Task 1	Completed	What will this room cover?
Task 2	Completed	Key terms
Task 3	Completed	Why is Encryption important?
Task 4	Completed	Crucial Crypto Maths
Task 5	Completed	Types of Encryption
Task 6	Completed	RSA - Rivest Shamir Adleman
Task 7	Completed	Establishing Keys Using Asymmetric Cryptography
Task 8	Completed	Digital signatures and Certificates
Task 9	Completed	SSH Authentication
Task 10	Completed	Explaining Diffie Hellman Key Exchange
Task 11	Completed	PGP, GPG and AES
Task 12	Completed	The Future - Quantum Computers and Encryption

Created by	Room Type	Users in Room	Created
NinjaJc01	Free Room. Anyone can deploy virtual machines in the room (without being subscribed)!	118,882	1532 days ago



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