

## **Activity File**

## **Activity File: Password Cracking**

- In this activity, you will continue to play the role of a pen tester conducting an engagement on MegaCorpOne.
- In the previous activity, you successfully elevated your privileges to a privileged user.
- Now, you are tasked with reperforming enumeration as a high-privileged user to see what additional information you can gather, since you can now access more files.
- Specifically, you're tasked with cracking user hashes from the shadow file.

## Instructions

- 1. SSH into the target machine using the credentials that you found during the privilege-escalation activity.
- 2. Gather a list of active users and their password hashes from the shadow file and save it as a .txt file.
  - Note that stealing the entire shadow file may be a waste of time, because Linux machines have service accounts that are disabled and will serve no use. Your goal in gathering password hashes is to eventually crack the hashes for the users, some of whom may have accounts with the same password on other machines on the network.
- 3. Format your hashes as such: username:passwordhash (e.g., bob:\$1\$HESu9xrH\$k.o4G93DGoXaiQKkPmUgZ0).
- 4. Crack the hashes by using john and passing in the text file with the hashes as an argument (e.g., john hashes.txt)

(root@ kali)-[~/Desktop]
# ssh -oHostKeyAlgorithms=+ssh-rsa service@172.22.117.150
service@172.22.117.150's password:
Linux metasploitable 2.6.24-16-server #1 SMP Thu Apr 10 13:58:00 UTC 2008 i686

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the exact distribution terms for each program are described in the
individual files in /usr/share/doc/\*/copyright.

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