**Section 2: Independent Practice Worksheet Answer Key**

**Instructions:** Open your Kali PowerShell terminal and perform the following tasks:

1. Install FTP and connect to the Metasploitable2 target over port 21. You may need to use the “msfadmin” user and password to login.

(Suggested Solution)

# apt install -y ftp

A screen shot of a computer

AI-generated content may be incorrect.

1. Install Telnet and connect to the Metasploitable2 target over port 22. You may notice a clue on the initial screen specifying the username and password!

(Clue reveals “msfadmin” username/password)

A screen shot of a computer

AI-generated content may be incorrect.

A screenshot of a computer screen

AI-generated content may be incorrect.

1. Do some internet research and explain why it was necessary to use the *-oHostKeyAlgorithms=+ssh-rsa* argument in the SSH connection above. What does “ssh-rsa” stand for? Why does this argument allow us to connect our Kali system to the target Metasploitable2?

The key to this task is modifying the SSH connection string to allow Kali to communicate with an outdated cipher on Metasploitable2 (RSA): *-oHostKeyAlgorithms=+ssh-rsa*