

Name:

Date:

Class:

Section 3: Independent Practice Worksheet **Answer Key**

Instructions:

We know from the Nmap network reconnaissance guided practice that the Kali username and password consists of eight alpha characters and the letters a, d, f, i, m, n s. However, pretend we are not sure of the order of those characters except for the first four characters (msfa. . .). Use Crunch to generate both your user and password wordlists in the /root/wordlists folder. The more accurate your wordlist, the better the time savings.

(Suggested Solution)

Given that we know the order of the first four lower case characters (msfa), the total characters (adfimns), and the length (8 characters) of the Metasploitable2 username and password, we can use Crunch to output the following strategic wordlist:

```
(root@kali)~[~/wordlists]
# crunch 8 8 adfimns -t msfa@@@ -o user-wordlist.txt
Crunch will now generate the following amount of data: 21609 bytes
0 MB
0 GB
0 TB
0 PB
Crunch will now generate the following number of lines: 2401

crunch: 100% completed generating output

(root@kali)~[~/wordlists]
# head -10 user-wordlist.txt
msfaaaaa
msfaaaad
msfaaaaf
msfaaaai
msfaaaam
msfaaaan
msfaaaas
msfaaada
msfaaadd
msfaaadf
```

The outputs begin with “msfa” and all eight-character possibilities are completed. The user and password wordlists will be the same.