

Can you crack the password

Problem: Just because there is a password doesn't mean it's secure.

Hint: dictionary.txt

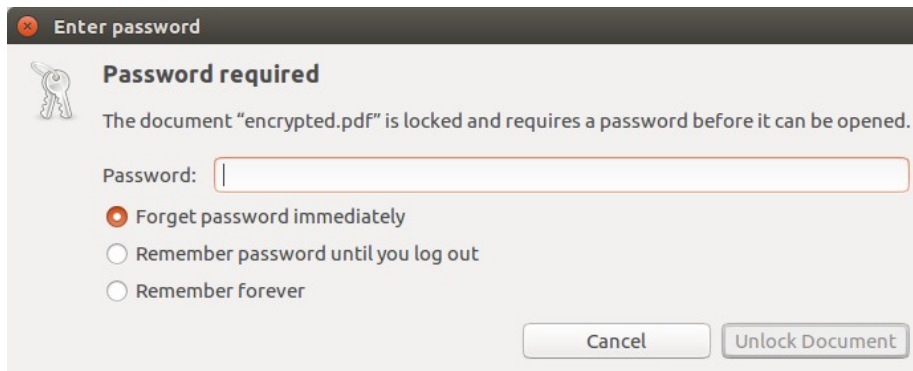
Given: encrypted.pdf

Note: Cracking pdf password can be accomplished with PDFCrack and a dictionary containing password. This tool uses brute-force to crack the password.

<http://pdfcrack.sourceforge.net/>

Steps:

1) When opening the encrypted.pdf, you will be prompted to enter the password.



Since the password is not given, a tool will be needed to try and crack the password.

Note: This method of cracking the password will only work in certain cases and is dependent on having a word list containing possible passwords.

2) A dictionary with a password list is provided for the problem. Use the word list with PDFCrack to find the password. In the command line enter 'pdfcrack --wordlist=dictionary.txt encrypted.pdf'

```
[qijun@glap forensics]$ pdfcrack --wordlist=dictionary.txt encrypted.pdf
PDF version 1.4
Security Handler: Standard
V: 2
R: 3
P: -1028
Length: 128
Encrypted Metadata: True
FileID: aa7e90fbb4042366c956dab26fe2f10b
U: bd1b912bca4f005690219d50dbb27ee2000000000000000000000000000000000
O: c908e4f18f5d8bde03ef1d370a2e5f4b25353dfa467e84bea78872fcf211a8cb
found user-password: 'ballerina'
[qijun@glap forensics]$
```

Now, try to get the flag in the pdf...