

## **CFR Lab 1: Introduction to Password Cracking/Recovery**

### **Theory**

As computer forensic technologists we often find difficulties in opening some resources e.g. files because of encryption, or password protection. Password cracking is used to describe the penetration of a network, system, or resource (file) with or without the use of tools to unlock a resource that has been secured with a password. There are a number of commercially available password recovery tools as well as free ones. Password crackers use a number of different approaches to recover a password. Describe them in brief.

### **Types of password attacks/cracking**

Dictionary attack

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Brute force attack

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Hybrid attack

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Social Engineering

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### **Objectives**

The main aim of this lab is to allow students to compare password recovery tools used with Ms Office.

### **Tools/Software**

1. AOPR (in folder on isnotes)
2. OfficeKey (install from given link)
3. <http://www.freewordexcelpassword.com>

## Lab Activities

1. Go to the CFR folder on isnotes
2. Install the three office cracking tools
3. Crack the passwords for the file *pass1, pass2, and pass3*
4. Compare the three tools

### Tool 1: Strengths

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### Tool 1: Weaknesses

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### Tool 2: Strengths

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### Tool 2: Weaknesses

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### Tool 3: Strengths

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### Tool 3: Weaknesses

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**Further Tasks:** 1. Using the OSForensic Tool try the above with other Office and Non-Office files.  
2. Look for other tool password recovery tools from the internet and try them.

>>>>> End of Lab Exercise <<<<<