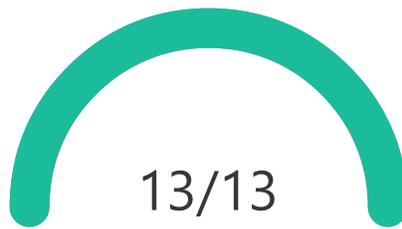# 06: Lab 06 – Assisted - Using hashing and salting
Security+ (Exam SY0-701)

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Congratulations, you passed!

Duration: 20 minutes, 23 seconds

☑ **confirm the presence of /root/Downloads/4-kwsrch-ext3/ext3-img-kw-1.dd**   *Score: 1*
Select the **Score** button to validate this task:
File /root/Downloads/4-kwsrch-ext3/ext3-img-kw-1.dd exists
Task complete

☑ What is the bit length of an MD5 hash?   *Score: 1*

- ◉ <u>128</u>
- ○ 32
- ○ 256
- ○ 160
- ○ 64

Congratulations, you have answered the question correctly.

☑ **confirm the existence of /root/Downloads/4-kwsrch-ext3-hash.txt**   *Score: 1*
Select the **Score** button to validate this task:
File /root/Downloads/4-kwsrch-ext3-hash.txt exists and contains
'30e7f792cc853e34e17335b243605d3a 4-kwsrch-ext3/ext3-img-kw-1.dd'
Task complete

☑ **confirm existence and contents of nc-hash.txt**   *Score: 1*
Select the **Score** button to validate this task:
File /usr/share/windows-resources/binaries/nc-hash.txt exists and contains
'57f0839433234285cc9df96198a6ca58248a4707'
Task complete

☑ What is the value listed as the "Manufacturer Name:" for this file?   *Score: 1*

- ○ unknown
- ◉ <u>Offensive Security</u>
- ○ Kali Linux
- ○ Fancy Bear

Congratulations, you have answered the question correctly.

☑ **confirm the existence of hash.txt**   *Score: 1*
Select the **Score** button to validate this task:
```
File /root/hash.txt exists and contains the password hash.
Task complete
```

☑ **confirm the existence of salted-hash.txt**   *Score: 1*
Select the **Score** button to validate this task:
```
File /root/salted-hash.txt exists and contains the password hash.
Task complete
```

☑ **confirm the existence of salt-secret-hash.txt**   *Score: 1*
Select the **Score** button to validate this task:
```
File /root/salt-secret-hash.txt exists and contains the password hash.
Task complete
```

☑ What is the purpose of calculating a hash of files?   *Score: 1*

   ○ Blocking disclosure
   ○ Maintaining availability
   ○ Confirming authorization
   ◉ <u>Detecting integrity violations</u>

Congratulations, you have answered the question correctly.

☑ What is the benefit of salting password hashes?   *Score: 1*

   ◉ <u>Increases resistance to brute force attack</u>
   ○ Reduces up sign in time
   ○ Eases enrollment complexity
   ○ Improves federation interoperability

Congratulations, you have answered the question correctly.

☑ What is the primary reason to avoid the use of MD5?   *Score: 1*

   ○ Ease of key discovery
   ○ Risk of brute force attack
   ◉ <u>Propensity for collisions</u>
   ○ Its algorithm is publicly viewable

Congratulations, you have answered the question correctly.

☑ The NSRL can be searched using file names and hashes for what types of files? (Select all   *Score: 1*
that apply)

☑ OS files
☑ Application files
☑ Hacker tools
☑ Malware

Congratulations, you have answered the question correctly.

☑ When using the NSRL to search for suspicious file names, what information can be used   *Score: 1*
to determine if there are file name collisions in the database? (Select all that apply)

☑ Hash values
☑ File size
☑ Product Version
☐ OS name

Congratulations, you have answered the question correctly.