



# GSEC<sup>Q&As</sup>

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### QUESTION 1

Which type of risk assessment results are typically categorized as low, medium, or high- risk events?

- A. Technical
- B. Qualitative
- C. Management
- D. Quantitative

Correct Answer: B

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### QUESTION 2

Use Hashcat to crack a local shadow file. What Is the password for the user account AGainsboro?

Hints

The shadow file (shadow) and Hashcat wordlist (gsecwordlist.txt) are located in the directory. home giac  
PasswordHashing

Run Hashcat in straight mod\* (flag -a 0) to crack the MD5 hashes (flag -m 500) in the shadow file.

Use the hash values from the Hashcat output file and the shadow file to match the cracked password with the user name.

If required, a backup copy of the original files can be found in the shadowbackup directory.



```
BSimpson:$5$mJqKdDGY$0/o/hDsu7n9GxYF6rp9t6pt/d6lJyHbNus/p3FMctC7:18761:0:9999:7::\
JagrJ:$6$GXpgsUfv$TEyNJ4YqFOXxLkph1S7wbbKIkW3SWB.kxdMxPJQp2RHfXUQSRgoTYtm0u
23/1600Vg80KHEYHehVDPJX/:18765:0:99999:7::\
edean:$1$h0BMOQrW$LB/.fXANKqUX9JwrhdbFu.:18765:0:99999:7::\
SallySimpson:$1$35WFI27u$NWejEF3wbiSjX22p75v40.:18761:0:99999:7::\
WWilliams:$1$/w13L2YG$f3lEHnnzhkVaJpPVDqyjJ1:18765:0:99999:7::\
DavidA:$5$LLw1GAYv$RHpqa1vtes7M2cdC1c7ZV5VoSK.AdXrxf2/Wxx9gCH5:18761:0:9999:7::\
cking:$6$C3sWBV66$6dnZlUV7hyMpGLT9G1gbrCbHnL0YEbZ0g6ehgmUBZGAsqWESJsTn6qc1
35dCDi7U11ORTiByFqk1N5S1:18761:0:99999:7::\
ScottSummers:$5$tnDt9wht$Ao14dEN.lL.QfLJryCdlePavOeqa3djpf3y5E2vFjp1:18765:0:99999:7::\
AGainsboro:$1$f4tw2Mez$ShCqo/pDcoF4oAQaTTvDDK.:18761:0:99999:7::\
LegolasElf:$6$Ug5u1bWk$DnUq9tCSi4MdRH7nctaZNHoUmyqreFTWB6a88wJKLT8ZoCtY33nd/
El/btH66RmQlUclZdhYBuhULqXef1:18761:0:99999:7::\
DVader:$1$u0hzS4X9$VYY6qTkN/2wZjrFx49txu0:18764:0:99999:7::\
Twingrove:$5$88xKm2Qp$9NPUaMQEqBAXJ58/f0hqsKGAxEjk8/UQz6P93Icx0Z6:18765:0:99999:7::\
Kang_Liu:$1$FEaYsh5u$RlPHrRl/9XctJy2UU1eyk/:18761:0:99999:7::\
Afoley:$1$8FT834/M$1jTtspSQmVBDGn39KgP540:18761:0:99999:7::\
AdeleM:$6$Nazz.sQB$K0ti69XXI.7dK3zuTc3hMDJj4BdVtIoq22aa/rwNSqtadjzptrvKLENa
mXbxYwLZswKGG4u4LTldXAde/:18761:0:99999:7::\
root@asec a01:/home/alac/PasswordHashing# cat shadow
```

```
hashfile 'shadow' on line 15 (Kang_L...CtJy2UU1eyk/:18761:0:99999:7::\): Tr
length exception
hashfile 'shadow' on line 16 (Afoley...DGN39KgP540:18761:0:99999:7::\): Tr
length exception
hashfile 'shadow' on line 17 (AdeleM...4u4LTldXAde/:18761:0:99999:7::\)): Tr
length exception
hashes: 5 digests; 5 unique digests, 5 unique salts
bitmaps: 16 bits, 65536 entries, 0x0000ffff mask, 262144 bytes, 5/13 rotate:
rules: 1
```

Applicable optimizers applied:

Zero-Byte

ATTENTION! Pure (unoptimized) backend kernels selected.

Using pure kernels enables cracking longer passwords but for the price of di

ally reduced performance.

If you want to switch to optimized backend kernels, append -O to your comman

tee the above message to find out about the exact limits.

latchdog: Hardware monitoring interface not found on your system.

latchdog: Temperature abort trigger disabled.

initializing backend runtime for device #1...

A. J3@nGr3y

B. WwBoj25tT7



- C. MsconfiG35
- D. Noregrets2
- E. HowAreWeToday?19
- F. Prometheus
- G. 6dWalking8
- H. IM-O-O-NI
- I. yoshiro392
- J. MEWRULES

Correct Answer: D

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### QUESTION 3

You work as a Network Administrator for Net World Inc. The company has a Linux-based network. For testing purposes, you have configured a default IP-table with several filtering rules. You want to reconfigure the table. For this, you decide to remove the rules from all the chains in the table. Which of the following commands will you use?

- A. IPTABLES -D
- B. IPTABLES -A
- C. IPTABLES -h
- D. IPTABLES -F

Correct Answer: D

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### QUESTION 4

The TTL can be found in which protocol header?

- A. It is found in byte 8 of the ICMP header.
- B. It is found in byte 8 of the IP header.
- C. It is found in byte 8 of the TCP header.
- D. It is found in byte 8 of the DNS header.

Correct Answer: B

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### QUESTION 5



Which of the following choices accurately describes how PGP works when encrypting email?

- A. PGP encrypts the message with the recipients public key, then encrypts this key with a random asymmetric key.
- B. PGP creates a random asymmetric key that it uses to encrypt the message, then encrypts this key with the recipient's public key
- C. PGP creates a random symmetric key that it uses to encrypt the message, then encrypts this key with the recipient's public key
- D. PGP encrypts the message with the recipients public key, then encrypts this key with a random symmetric key.

Correct Answer: B

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