

Hashing Hashes

Getting the Basics Down

This task will ask you to explain what hashing algorithms have been used to generate some hashes and to then work out what the original phrase used for the hash might possibly be.

Question 1:

What is the most likely algorithm used to create the hash:
4e11fc38453d7f819676e95012683cfd

Answer: MD5

Question 2:

What is the first least likely algorithm used to create the hash: 4e11fc38453d7f819676e95012683cfd

Answer: Domain Cached Credentials 2

Question 3:

What format does Name-That-Hash recommend you should use with John-The-Ripper to work out the original phrase for the hash: 4e11fc38453d7f819676e95012683cfd

Answer: raw-md5

Question 4:

What is the original phrase for the hash: 4e11fc38453d7f819676e95012683cfd

Answer: sonic65

Question 5:

What is the second most likely hashing algorithm used for this hash: 8ee649c51f6a4cf2b5992137aa04f617

Answer: MD4

Question 6:

What is the original phrase for the hash: 8ee649c51f6a4cf2b5992137aa04f617

Answer: likelike

Easy Hashes

Now with the basics down lets do some easy ones.

Question 1:

What is the phrase used to create the hash: 3959dea3351520ac24465a613108e515

Answer: cotgrave

Question 2:

What is the phrase used to create the hash: bdf7dc6ce2b7c9c5e29efde0abf75519

Answer: sam1994

Question 3:

What is the phrase used to create the hash: b7bc2c41e9badc8658e179b6b0b6f65d

Answer: trenelle

Medium Hashes

Now we move onto some harder to solve hashes.

Question 1:

What is the most likely hashing algorithm used to create the

hash: \$2a\$10\$27BhqBD2LWpHD3f7Y5UED.kEg2YY3bG0Muo.fNkpVcV/K43izuLGO

Answer: bcrypt

Question 2:

What is the phrase used to generate the

hash: \$2a\$10\$27BhqBD2LWpHD3f7Y5UED.kEg2YY3bG0Muo.fNkpVcV/K43izuLGO

Answer: password

Question 3:

What is the phrase used to generate the

hash: \$2a\$10\$P.J8MSlzygaVYH/NS3B1m.9iOjCcr7VVKo5QJhuYdQtGnmc4dzKkW

Answer: asdfghjkl

Question 4:

What is the phrase used to generate the

hash: \$2a\$10\$rTAF.ZQlwp5SS19fHncs8uKvu2pssc5B5OcemeaGw9.HLQU.Nlatu

Answer: titanic

Question 5:

What is the phrase used to generate the

hash: \$2a\$10\$6LM9/ayzhIvs6YUfsdJNBepsJ.IHfQJ.hEv7gwa.tN4m/U9D1WhZ2

Answer: cassandra

Hard Hashes

With the basics suitably nailed we can now look at solving some hashes that have a salt applied to them.

Question 1:

What is the most likely algorithm used for the following

hash: c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99

Answer: SHA-256

Question 2:

What JohnTheRipper format should be used to 'crack' this

hash: c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99

Answer: raw-sha256

Question 3:

What HashCat hash type should be used to 'crack' this

hash: c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99

Answer: 1400

Question 4:

Considering the hash

c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99 has a salt of jeff applied to it what is the string you will need to decode the phrase?

Answer:

c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99\$jeff

Question 5:

What format will JohnTheRipper need to decode the

hash: c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99

Answer: dynamic_62

Question 6:

What was the original phrase of the

hash: c994ae032646868d1636dc1c7410e5a20990362e25d7b8701e071ffca1a1fe99

Answer: agapito

Question 7:

Using the knowledge from the questions above work out the original phrase for the hash 28835e97b65613f57d411067167f9f81ce24e2f047023b6ab4e5c463d4684e15 if the salt has been applied

Answer: michelle

Question 8:

If the hash

is 5b4ccb84bfce7952665873a9986d37b53b0ca6bcb5802f556bef733f0e110692

The salt is eeeee

Then what is the phrase?

Answer: qqqqqq

Question 9:

The hash

is: 4aa762592ae8dd728c24ca44256d104092b765a811157fd8cf7162f98ce404

The salt is: supersecuresalt

What's the phrase?

Answer: ch3ls3a

Question 10:

The hash is:

8963df5aabb91d9350c0e057efc97c0924b26cb5683bc7cf1d3033473751e5e1

The salt is: password

What's the phrase?

Answer: SANDMAN197

Hardcore

You have done it all. Now you are own your own. Good luck.

Question 1:

With the salt SWEET23

And the hash 9b49c8d1ac54d5af220b945e59868f15

What is the phrase?

Answer: LAGARTO

Question 2:

An easy one I swear.

Hash: 7db6f32d8994000a20e250e17821059bfc6947d0cd57ef881d7b80c882b6d782

Salt: elyboy

Answer: tallkid

Question 3:

How about this hash: 26bc52b868b739ada50adf226d8d96b3

Can you crack this?

Answer: liljames

Question 4:

Now here is a hash: cce9314886d0b4e63da0669c884bfe86

And then this salt: thugluv

Can you crack it?

Answer: polar2

Question 5:

Got another one for you,

Hash: 52ab1f6e3f33010f8d1dc68cbc521dc47f344461a227d0ef130c9d6aa0c43546

Salt: jonhatan

Answer: goofy22392