

HACK UTK



October 9th, 2018

Passwords and Phishing

<https://hackutk.slack.com/>

Collision Challenge

- Find a value **x** such that
SHA256(**x**) = F2E142EB..... (hex)
- NOTE: SHA256() generates 256 bit outputs,
you are only looking to match the **first 32**
bits!

Collision Challenge

- For example, you might generate:
 - $\text{SHA256}(\mathbf{x}) =$

F2E142EBF349EFCBAD93423.....

Phishing Challenge

- Craft a convincing enough email for one of the board members to open and click on whatever link you have in the email body
- HINT: You will probably need to find a way to fake the sender of the email...

Phishing Challenge

- Does not necessarily have to hyperlink to a phishing website*
 - (i.e. the hyperlink can send us anywhere...just nothing malicious)
 - Can hyperlink to something like:
<http://imgtfy.com/?q=how+to+protect+myself+against+phishing>

Phishing Challenge

*If you create and host an actual phishing website, along with convincing us to open your email and click the link, you will receive the first place prize. If multiple people do this, you will be judged on the convincingness of the email body and your phishing website.

Phishing Challenge

Our emails:

- akarnauc@vols.utk.edu
- cdean16@vols.utk.edu
- rxz142@vols.utk.edu