

Cryptography for Dummies Lab

The screenshot shows the TryHackMe interface for the 'Cryptography for Dummies' lab. At the top, there's a navigation bar with icons for Dashboard, Learn (selected), Practice, and Compete. On the right, there are buttons for 'Access Machines', a search bar, a notifications icon (with 1 notification), a 'Go Premium' button, and a user profile icon with the letter 'h'.

The main content area shows the 'Cryptography for Dummies' room. It features a large lock icon and the title 'Cryptography for Dummies'. Below the title, it says 'Become familiar with cryptography'. It includes a progress bar (blue) and a room progress indicator (7%).

A message box at the top states: 'Our Asia Pacific VM region is now fully available and should offer you better performance.' with 'More Info' and 'X' buttons.

The room contains two tasks:

- Task 1**: Intro. Description: 'Cryptography is a big topic. We are going to cover the basics, to give you a basic understanding.'
- Task 5**: Thanks for reading!. Description: 'Thanks for completing my room, if you are interested in cryptography and want to learn more I suggest you to complete the Cryptography rooms from TryHackMe. They cover more topics in cryptography.'

Below the tasks, there's a section for feedback: 'Answer the questions below' followed by a blank line, 'Thanks for reading!', and a note 'No answer needed' next to a 'Correct Answer' button.

A large dark overlay at the bottom right contains a 'Thank you!' message with a small emoji, a note about feedback helping to improve content, and a 'Close' button.

Try Hack Me

Dashboard Learn Practice Compete

Access Machines Go Premium 1 h

Learn > Cryptography for Dummies

Cryptography for Dummies

Become familiar with cryptography

30 min 34,128

Share your achievement Start AttackBox Save Room 1224 Recommend Options

Room completed (100%)

Our Asia Pacific VM region is now fully available and should offer you better performance. More Info X

Task 1 Intro

Cryptography is a big topic. We are going to cover the basics, to give you a basic understanding.

There are plenty of other hashing algorithms out there, but this room is intended for beginners so we're not going to cover them here.

Answer the questions below

I understand what are hashes!

No answer needed ✓ Correct Answer

What's the MD5 hash of "hashes are cool"?

f762d32e3c160900d94b683e927555b9 ✓ Correct Answer Hint

What does MD5 stand for?

Message Digest 5 ✓ Correct Answer

Who created MD5?

Ronald Rivest ✓ Correct Answer Hint

Task 4 Decoding/encoding

There's difference between encoding and encrypting. Let's say you have an encrypted file, the only way to decrypt it is using key. While encoded data can be decoded immediately, without keys. It's NOT a form of encryption, it just a way of representing data.

A very popular encoding is Base64. Here's how "hi there" looks with Base64 encoding: **aGkgdGhlcmU=**

Answer the questions below

Encode the string "cryptographyisuseful" with Base64

Y3J5cHRvZ3JhcGh5aXN1c2VmdWw= ✓ Correct Answer Hint

Decode the string "dGhlIHNlY3JldCB3b3JkIGlzIDogd2F0ZXJtZWxvbg==". What's the secret word?

watermelon ✓ Correct Answer Hint