

# HACKTORY

FIND A MISSING  
VESSEL AND BRING  
HER CREW BACK  
SAFELY

LOST AT

SEA



# Briefing

Greetings, Special Agent.

Yesterday at exactly 22:34 EET we lost contact with our surveillance ship "Narwhal". A distress signal was sent out, right after this all communication was lost. The Narwhal was operating in the Black Sea, keeping an eye on Russian submarine and aerial activity. Although she looks like a regular fishing trawler, the Narwhal, built in 2018, was outfitted with state of the art equipment. Our allies in the British Royal Navy were kind enough to respond immediately. They were able to retrieve the Narwhals' distress beacon. This is a device that automatically logs the last ten event, using the many sensors on board. This quick log entry is written to the SD card inside a waterproof tube, outfitted with a flotation device and GPS beacon. After the data is written, the beacon ejects and keeps afloat on the surface. This prevents any signal delay from external antennas not being fast enough.

Now, there's a catch with this beacon. The log-file is written to an encrypted archive. The password for this log-file is set by the captain and communicated over encrypted channels, changing daily to prevent enemy forces capturing the correct code. Somehow, the signal was lost right before the captain was able to relay the new password. So it's up to you to crack the file.

As always, Special Agent, the contract is yours, if you choose to accept.



# Materials

logfile-narwhal.txt

# Answer Instruction

Use the answer to unlock the flagfile, this will reward you with your badge.

Figure out the logbook (flagfile) password

# Flagfile

Be advised, the flagfile is an encrypted ZIP. Make sure your OS supports the ZIP format. Ensure the password contains no hidden characters or formatting.

# Write-Up

There is an attached file called a write-up, this will give you the answer in case you get stuck.

# Acknowledgements

This challenge was made by Frank Diepmaat.