Osiris Challenge 1

Decoded Message:

"Our quest is practically finished. I shall call with the King to-morrow, and with you, if you care to come with us. We will be shown into the sitting-room to wait for the lady, but it is probable that when she comes she may find neither us nor the photograph. It might be a satisfaction to his Majesty to regain it with his own hands."

Time decoded: 11:24AM

Description:

First, we converted the text file filled one "One" and "Zero" to actual binary and then converted this binary to text using 7-bit ASCII. We accomplished this by altering the Binary program to read the input as a string, go through this string letter by letter, and append to another string a "1" or a "0" every time the letter "O" or "Z" was encountered (One or Zero). This resulted in text that revealed the server IP address (138.47.157.24), server port number (8008), the encoded username (qqjvzk), the double encoded password (ijezgzfkwlkkfa), and the key (cyberstorm). We then ran the base Vigenere program to decrypt the username and password, resulting in osiris and encryptiongods. We then connected to the FTP server with the login credentials, and using the command "ls -a" and "cd <dir>", we found the hidden directories and navigated to the dictionary "/.secretstorage/.folder2/.howaboutonemore" with the encoded covert message. We then used the FTP decryption program with the 10 bit method in that directory to decode the message.

Team Contributions:

Ethan Hebert: Decoded the original text file of "One" and "Zero" into actual binary by altering the Binary program to read the input as a string, go through this string letter by letter, and append to another string a "1" or a "0" every time the letter "O" or "Z" was encountered (One or Zero). The Binary program then ran as normal with the string of binary digits and the hidden message was encoded in 7-bit ASCII.

Noah Jones:Main program written for 7 & 10 bit decryption, ftp login syntax, discovering hidden files in ftp servers. Modifying code as the challenge went on.

Keaton Love: Created GitHub to store team files

Jace Peloquin: Decoded the login information using the base Vigenere program with the key cyberstorm, Intense Moral Support, Rigorous Communication

Amiyah Frierson: Logged into FTP server, positive and encouraging aura

Madeline Ballew: Assisted with figuring out how to change the various code files in order to read the hidden files and access the password for the hidden directory. Logged into

the FTP server to attempt at getting into the necessary files. Also formatted the Word document!

Jay Reich: Logged into the FTP server and brute forced finding the correct file path. Put the filepath into the FTP program to decode message.