KRYPTON WARGAME:

Level 0 – 1:

Objective: Find the password for Krypton Level 1 by solving the challenge in Level 0.

Tools Used: SSH , cat, tr, Linux Terminal

Steps:

1. Login to Krypton 1.
2. List files to see what's there.
3. Go to the /krypton folder.
4. List files again and go to the krypton1 folder.
5. Read README, krypton2, and krypton3 files.
6. Use ROT13 to decode krypton2.
7. Logout when done

Level 1 – 2:

Objective: Find the password for Krypton Level 2 by solving the challenge in Level 1.

Tools Used: SSH , cat, tr, Linux Terminal

Steps:

1. Login to Krypton 2.
2. Go to the /krypton folder and then into krypton2.
3. Create a new folder to work in and set permissions.
4. Create a file encrypt.txt with AAAAA.
5. Encrypt the file and view the result.
6. Decrypt krypton3 using ROT13.
7. Logout when done.

Level 2 – 3:

Objective: Find the password for Krypton Level 3 by solving the challenge in Level 2.

Tools Used: SSH , cat, tr, Linux Terminal

Steps:

1. Log in to the server using SSH.
2. Navigate to the correct folder and list files to see what's there.
3. Read the README file and the contents of the found1, found2, and found3 files.
4. Check the hints for additional clues.
5. Count how many times each letter appears in the found files.
6. Sort the letter counts to find the most frequent ones.
7. Decrypt the krypton4 file using a letter substitution cipher.
8. If the first cipher doesn't work, try another decryption key.
9. Log out when finished.

Level 3 – 4:

Objective: Find the password for Krypton Level 4 by solving the challenge in Level 3.

Tools Used: SSH , cat, tr, Linux Terminal

Steps:

1. Log in to the server using SSH.
2. Navigate to the /krypton/krypton4 directory.
3. List the files in the directory.
4. Read the contents of found1 and found2 files.
5. Check the HINT file for clues.
6. Edit found1 to examine it more closely.
7. Read found1 again after editing.
8. Look at the krypton5 file for more information.
9. Log out when finished.

Level 4 – 5:

Objective: Find the password for Krypton Level 5 by solving the challenge in Level 4.

Tools Used: SSH , cat, tr, Linux Terminal

Steps:

1. Log in to the server.

2. Navigate to the /krypton/krypton5 directory.
3. Check the files: found1, found2, found3, and krypton6.
4. Read through the files for clues.
5. Log out when done.

Level 5 – 6:

Objective: Find the password for Krypton Level 6 by solving the challenge in Level 5.

Tools Used: SSH , cat, tr, Linux Terminal,

Steps:

1. Log in to the server and navigate to the necessary directories.
2. Check the files and read the contents of krypton7, HINT1, and HINT2.
3. Create a temporary directory and set up symbolic links to important files.
4. Create and edit a file (a.txt), then encrypt it to cipher.txt.
5. Inspect the binary contents of a.txt and cipher.txt using xxd.
6. Run a Python script with the necessary arguments to proceed.
7. Log out when finished.

Level 6 – 7:

Objective: Find the password for Krypton Level 7 by solving the challenge in Level 6.

Tools Used: SSH , cat, tr, Linux Terminal, ls, ln

Steps:

1. Login to Krypton 7 using your password.

2. Go to the Krypton 7 directory.

3. List the files to see what's available.

4. Read the README file for instructions or clues.

CONCLUSION:

The Krypton levels teach you how to find and fix security problems, like weak passwords or wrong permissions. You use tools like SSH, ps, and echo to get into systems and gain more control. These levels help you learn basic skills for finding and fixing security issues.