

**LAPORAN TUGAS KEAMANAN SISTEM DAN
JARINGAN KOMPUTER
UTS : Hydra TryHackMe**



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2025

Room completed (100%)

Task 1 Hydra Introduction

What is Hydra?

Hydra is a brute force online password cracking program, a quick system login password "hacking" tool.

Hydra can run through a list and "brute force" some authentication services. Imagine trying to manually guess someone's password on a particular service (SSH, Web Application Form, FTP or SNMP) - we can use Hydra to run through a password list and speed this process up for us, determining the correct password.

According to its official repository, Hydra supports, i.e., has the ability to brute force the following protocols: "Asterisk, AFP, Cisco AAA, Cisco auth, Cisco enable, CVS, Firebird, FTP, HTTP-FORM-GET, HTTP-FORM-POST, HTTP-GET, HTTP-HEAD, HTTP-POST, HTTP-PROXY, HTTPS-FORM-GET, HTTPS-FORM-POST, HTTPS-GET, HTTPS-HEAD, HTTPS-POST, HTTP-Proxy, ICQ, IMAP, IRC, LDAP, MEMCACHED, MONGODB, MS-SQL, MYSQL, NCP, NNTP, Oracle Listener, Oracle SID, Oracle, PC-Anywhere, PCNFS, POP3, POSTGRES, Radmin, RDP, Rexec, Rlogin, Rsh, RTSP, SAP/R3, SIP, SMB, SMTP, SMTP Enum, SNMP v1+v2+v3, SOCKS5, SSH (v1 and v2), SSHKEY, Subversion, TeamSpeak (TS2), Telnet, VMware-Auth, VNC and XMPP."

For more information on the options of each protocol in Hydra, you can check the Kali Hydra tool page.

This shows the importance of using a strong password; if your password is common, doesn't contain special characters and is not above eight characters, it will be prone to be guessed. A one-hundred-million-password list contains common passwords, so when an out-of-the-box application uses an easy password to log in, change it from the default! CCTV cameras and web frameworks often use `admin:password` as the default login credentials, which is obviously not strong enough.

Installing Hydra

Hydra is already installed on the AttackBox. You can access it by clicking on the **Start AttackBox** button.

If you prefer to use the in-browser Kali machine, Hydra also comes pre-installed, as is the case with all Kali distributions. You can access it by selecting Use Kali Linux and clicking

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verbose output for every attempt

Below is a more concrete example Hydra command to brute force a POST login form:

```
hydra -l <username> -P <wordlist> 10.10.177.83 http-post-form "/:username=USER^&password=^PASS^:F=incorrect" -V
```

- The login page is only `/`, i.e., the main IP address.
- The `username` is the form field where the username is entered
- The specified username(s) will replace `^USER^`
- The `password` is the form field where the password is entered
- The provided passwords will be replacing `^PASS^`
- Finally, `F=incorrect` is a string that appears in the server reply when the login fails

You should now have enough information to put this to practice and brute force your credentials to the deployed machine!

Answer the questions below

Use Hydra to bruteforce molly's web password. What is flag 1?

THM{2673a7dd116de68e85c48ec0b1f2612e}

✓ Correct Answer

🔍 Hint

Use Hydra to bruteforce molly's SSH password. What is flag 2?

THM{c8eeb0468febbadea859baeb33b2541b}

✓ Correct Answer

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However, you can check its official repositories if you prefer to use another Linux distribution. For instance, you can install Hydra on an Ubuntu or Fedora system by executing `apt install hydra` or `dnf install hydra`. Furthermore, you can download it from its official [THC-Hydra repository](#).

Answer the questions below

Read the above and have Hydra at the ready.

No answer needed

✓ Correct Answer