

# 目录



## InProgress

### Task1 Introduction

本部分主要介绍一些命令的参数,介绍copy和move命令,以及访问文件和文件夹的方式等.

### Task2 Accessing Your Linux Machine Using SSH (Deploy)

在Part1中我们可以通过浏览器连接到Linux机器上,这是因为我们使用的是SSH进行远程登录.

#### What is SSH & how Does it Work?

SSH:Secure Shell是一个协议,用于将两台设备间的通信加密.

#### Deploying Your Linux Machine

布置你的Linux机器,直接点击Start Machine按钮即可

#### Deploying the TryHackMe Attackbox

这个按钮在整个网页的最上方,点击Start AttackBox即可

#### Using SSH to Login to your Linux Machine

我们需要获得远程设备的IP地址,以及正确的登录凭证.这里IP/PW分别是tryhackme,tryhackme

所以对应的登录指令为:

```
ROOT
```

```
root@ip-10-10-12-38:~# ssh tryhackme@10.10.37.165 The authenticity of host '10.10.37.165 (10.10.37.165)' can't be established. ECDSA key fingerprint is SHA256:c/FrwCJJWUnNtf5/6wsQvZ0PM618AoDlbP9Cj465Kgk. Are you sure you want to continue connecting (yes/no)? yes Warning: Permanently added '10.10.37.165' (ECDSA) to the list of known hosts. tryhackme@10.10.37.165's password: Welcome to Ubuntu 20.04.2 LTS (GNU/Linux 5.4.0-1047-aws x86_64)
```

- Documentation: <https://help.ubuntu.com>
- Management: <https://landscape.canonical.com>
- Support: <https://ubuntu.com/advantage>

```
System information as of Mon May 27 13:22:08 UTC 2024
```

```
System load: 0.52 Processes: 111 Usage of /: 26.8% of 7.69GB Users logged in: 0 Memory usage: 23% IPv4 address for eth0: 10.10.37.165 Swap usage: 0%
```

The list of available updates is **more** than a week old. To check for new updates run: **sudo** apt update

The programs included with the Ubuntu system are **free** software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/\*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

tryhackme@linux2:~\$

### Task3 Introduction to Flags and Switches

每条命令都带有一些参数,比如ls命令,它用于列表所有当前目录的文件和文件夹.

如果后面加-a(是-all的缩写),会增加隐藏文件的显示.对任意命令后面加-help可以获取关于该命令的帮助.提供所有相关参数和解释说明.

#### USER

tryhackme@linux2:~\$ **ls** -help Usage: **ls** [OPTION]... [FILE]... List information about the FILEs (the current directory by default). Sort entries alphabetically if none of -cftuvSUX nor -sort is specified.

Mandatory arguments to long options are mandatory for short options too.

1. a, -all do not ignore entries starting with .
2. A, -almost-all do not list implied . and ..
  1. -author with -l, print the author of each file
3. b, -escape print C-style escapes for nongraphic characters
  1. -block-size=SIZE with -l, scale sizes by SIZE when printing them;

e.g., '--block-size=M'; see SIZE format below

-B, -ignore-backups do not list implied entries ending with ~

1. c with -lt: sort by, and show, ctime (time of last

modification of file status information);  
with -l: show ctime and sort by name;  
otherwise: sort by ctime, newest first

-C list entries by columns

1. -color[=WHEN] colorize the output; WHEN can be 'always' (default

if omitted), 'auto', or 'never'; more info below

-d, -directory list directories themselves, not their contents

1. D, -dired generate output designed for Emacs' dired mode
2. f do not sort, enable -aU, disable -ls -color
3. F, -classify append indicator (one of /=>@|) to entries -file-type likewise, except do not append "
  1. -format=WORD across -x, commas -m, horizontal -x, long -l,

--full-time single-column -l, verbose -l, vertical -C  
like -l --time-style=full-iso

查询命令还可以使用Man(ual)页面,除了Linux设备自带,网上也可以查.<https://linux.die.net/man/>

比如man ls表示显示ls的命令说明.

命令说明可能会很长,可以使用方向键进行上下滚动,在命令后添加-h可以得到人类易读的版本.

:question: What directional arrow key would we use to navigate down the manual page?

:question: What flag would we use to display the output in a “human-readable” way?

## Task4 Filesystem Interaction Continued

## Task5 Permissions 101

## Task6 Common Directories

## Task7 Conclusions and Summaries

## Task8 Linux Fundamentals Part3

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