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# Big Zip



Easy

General Skills

picoGym Exclusive

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## Description

Unzip this archive and find the flag.

- [Download zip file](#)

## Hints ?

1

Can grep be instructed to look at every file in a directory and its subdirectories?

## Solution

I downloaded the zip file using **wget** tool then unzipped it via terminal.

```
kali@kali: ~/Desktop
File Actions Edit View Help

(kali@kali)-[~/Desktop]
└─$ wget https://artifacts.picoctf.net/c/504/big-zip-files.zip
--2025-02-05 12:57:22-- https://artifacts.picoctf.net/c/504/big-zip-files.zip
Resolving artifacts.picoctf.net (artifacts.picoctf.net) ... 52.84.102.87, 2600:9000:2054:d800:16:5ec5:2840:93a1
Connecting to artifacts.picoctf.net (artifacts.picoctf.net)|52.84.102.87|:443 ... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3182988 (3.0M) [application/octet-stream]
Saving to: 'big-zip-files.zip'

big-zip-files.zip 100%[=====] 3.04M 913KB/s in 3.6s

2025-02-05 12:57:27 (860 KB/s) - 'big-zip-files.zip' saved [3182988/3182988]

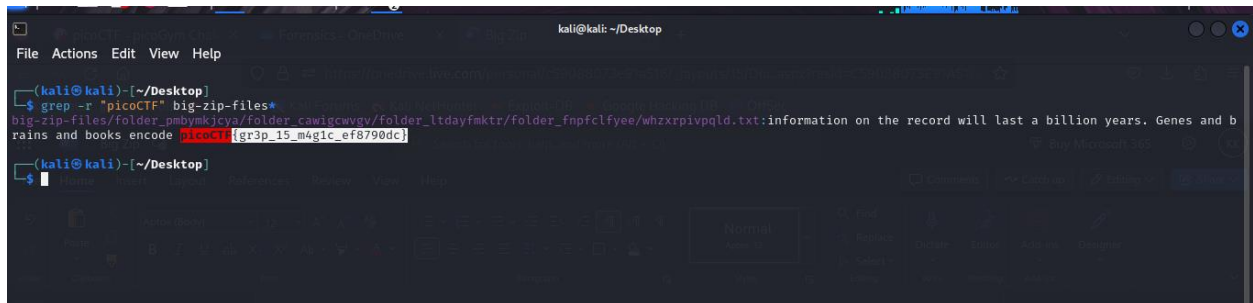
(kali@kali)-[~/Desktop]
└─$ ls
big-zip-files.zip

(kali@kali)-[~/Desktop]
└─$ unzip big-zip-files.zip
Archive: big-zip-files.zip
  creating: big-zip-files/
 extracting: big-zip-files/jpvaawkrpno.txt
 inflating: big-zip-files/oxbcyjsy.txt
 inflating: big-zip-files/hllhxlvdgiii.txt
 inflating: big-zip-files/bdvnqbuteafealgveyiqd.txt
 inflating: big-zip-files/fudfsewmaafsbniyktr.txt
   creating: big-zip-files/folder_fmjtuthge/
 inflating: big-zip-files/folder_fmjtuthge/file_eaigogtrdsbxbnbnfisxepj.txt
 inflating: big-zip-files/folder_fmjtuthge/file_ygocxgzpuzqjwfs.txt
 inflating: big-zip-files/folder_fmjtuthge/file_lqqprxhjtarithwygepdnlf.txt
 inflating: big-zip-files/folder_fmjtuthge/file_pdyvgeaphbafeopdz.txt
 inflating: big-zip-files/folder_fmjtuthge/file_wmxsuxcykwetkgerkv.txt
 inflating: big-zip-files/folder_fmjtuthge/file_aowfebnypzsretakipi.txt
 inflating: big-zip-files/folder_fmjtuthge/file_jlfivzrgcubr.txt
 inflating: big-zip-files/folder_fmjtuthge/file_pnwvfhejwcqseezvmdv.txt
 inflating: big-zip-files/folder_fmjtuthge/file_lajnafrfzk.txt
 inflating: big-zip-files/folder_fmjtuthge/file_zqjgdgxn.txt
   creating: big-zip-files/folder_fmjtuthge/folder_woanzvubrt/

(kali@kali)-[~/Desktop]
└─$ ls
big-zip-files  big-zip-files.zip

(kali@kali)-[~/Desktop]
└─$
```

The **big-zip-files** directory had so many text files which made the flag search tedious when done manually. The hint suggested using a grep tool to search for the flag in all the text files which would save time. This is the command i used to retrieve the flag `grep -r "picoCTF" big-zip-files*`. The flag was **picoCTF{gr3p\_15\_m4g1c\_ef8790dc}**.



```
kali@kali: ~/Desktop
File Actions Edit View Help
(kali@kali)~/Desktop
$ grep -r "picoCTF" big-zip-files*
big-zip-files/folder_pmbymkjcy/folder_cawigcwgvg/folder_ltdayfmktr/folder_fnpfclfyee/whzxrpivpqld.txt:information on the record will last a billion years. Genes and b
rains and books encode picoCTF{gr3p_15_m4g1c_ef8790dc}
(kali@kali)~/Desktop
$
```