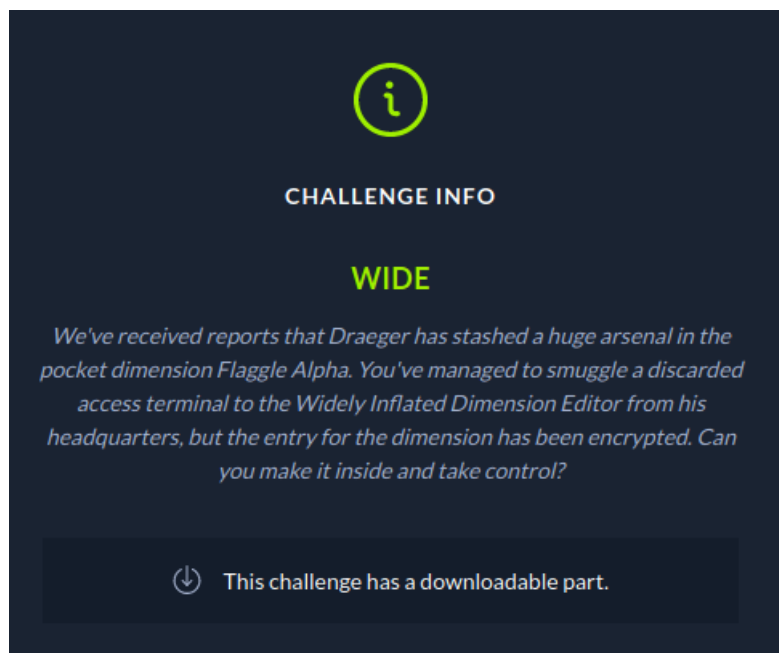


WIDE

≡ Event	Cyber Apocalypse 2022
≡ Tags	Reverse
👤 Author	👤 Jun Peng Tan

Challenge Description



Challenge Walkthrough

We are given 2 files in this challenge. Lets do the crosscheck first the files given.

We have do the crosscheck as usual:

```
# Command
$ strings [file]
$ file [file]
$ cat [file]
```

```

(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$ ls
db.ex wide
(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$ cat db.ex
Primuspeople breathe variety practiceOur home dimensionCheagazscene control river importanceThe I
ce DimensionByenooviafighting cast it parallelThe Berserk DimensionCloteprea-facing motor unusual
heavyThe Hungry DimensionMaraqastomach motion sale valuableThe Water DimensionAidorfeathers strea
-9000#P
(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$ ./wide
Usage: ./wide db.ex
(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$

```

We know that wide is an execution and tried to run it. In this challenge, we need to use the db.ex file given from the challenge. After running the program, we need to choose an option. Notice that the last option "Flaggle Alpha" looks very "sus" as it stated "admin secret power hidden" and is encrypted. Choose 6 and we need the decryption key.

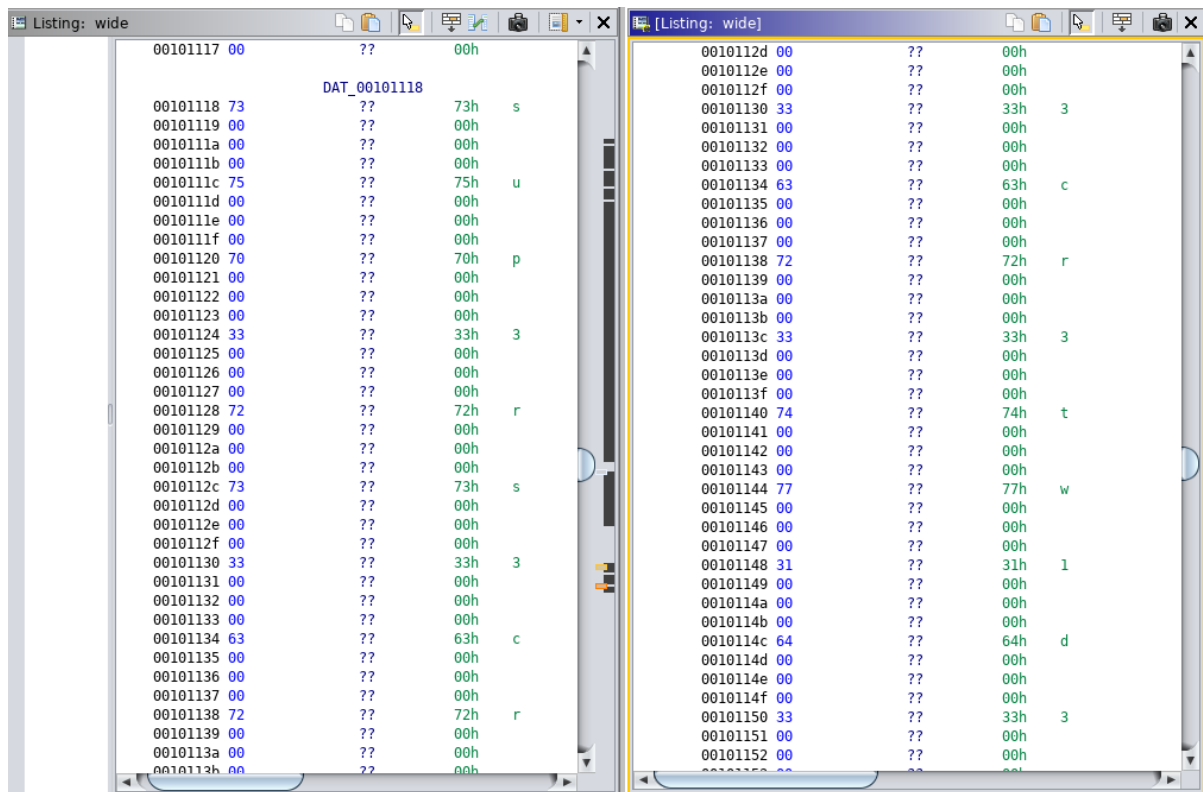
```

(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$ ./wide db.ex
[*] Welcome user: kr4eq4L2$12xb, to the Widely Inflated Dimension Editor [*]
[*] Serving your pocket dimension storage needs since 14,012.5 B [*]
[*] Displaying Dimensions... [*]
[*]      Name          | Code          | Encrypted | [*]
[X] Primus            | people breathe variety practice |          | [*]
[X] Cheagaz           | scene control river importance  |          | [*]
[X] Byenoovia         | fighting cast it parallel       |          | [*]
[X] Cloteprea         | facing motor unusual heavy      |          | [*]
[X] Maraqa            | stomach motion sale valuable    |          | [*]
[X] Aidor             | feathers stream sides gate      |          | [*]
[X] Flaggle Alpha     | admin secret power hidden      | *        | [*]
Which dimension would you like to examine? 6
[X] That entry is encrypted - please enter your WIDE decryption key:

```

To get the decryption key, we open the file using Ghidra IDA. After analyze the file, we can see a bunch of function of the program. Observe a deeper and we noticed the strings is hiding in the memory address.

Combined all the strings together and we got this -
sup3rs3cr3tw1d3



Flag

Booyah ! Input the strings as the decryption key and we got the flag !

```
HTB{strings_4r3nt_4lw4ys_4sc11}
```

```
(arfuu@kali) - [~/Downloads/htb(CyberApocalypse2022)/Reversing/rev_wide]
$ ./wide db.ex
[*] Welcome user: kr4eq4L2$12xb, to the Widely Inflated Dimension Editor [*]
[*] Serving your pocket dimension storage needs since 14,012.5 B [*]
[*] Displaying Dimensions.... [*]
[*] Name | Code | Encrypted [*]
[X] Primus | people breathe variety practice | [*]
[X] Cheagaz | scene control river importance | [*]
[X] Byenoovia | fighting cast it parallel | [*]
[X] Cloteprea | facing motor unusual heavy | [*]
[X] Maraqa | stomach motion sale valuable | [*]
[X] Aidor | feathers stream sides gate | [*]
[X] Flaggle Alpha | admin secret power hidden | * [*]
Which dimension would you like to examine? 6
[X] That entry is encrypted - please enter your WIDE decryption key: sup3rs3cr3twld3
HTB{strings_4r3nt_4lw4ys_4sc11}
Which dimension would you like to examine? Our home dimension
```