

[illegible]

Name	Wrong Locale
URL	https://www.attackdefense.com/challengedetails?cid=587
Type	Secure Coding : Python

Important Note: This document illustrates all the important steps required to complete this lab. This is by no means a comprehensive step-by-step solution for this exercise. This is only provided as a reference to various commands needed to complete this exercise and for your further research on this topic.

A vulnerable python source code file (script.py) is given in student's home directory.

Objective: Execute the script in such a manner that it prints "Locale based bypass successful!"

Solution

On executing the python script, one can observe that the program prints the present locale information.

```
student@attackdefense:~$ python script.py
('en_US', 'ISO8859-1')
student@attackdefense:~$
```

Check the given python script. It is clear that the unreachable code will only be executed if value for local locale is set to wrong values.

```
student@attackdefense:~$ cat script.py
import locale
try:
    loc = locale.getdefaultlocale()
    print loc
except ValueError:
    print "Locale based bypass successful!"
student@attackdefense:~$
```

Make sure that the value of the locale is set to wrong i.e. export LC_All=en_XX

Execute the script to get the desired output.

```
student@attackdefense:~$ LC_ALL=en_XX
bash: warning: setlocale: LC_ALL: cannot change locale (en_XX): No such file or directory
student@attackdefense:~$ python script.py
Locale based bypass successful!
student@attackdefense:~$
```