Facultad de: *Infraestructura de Redes Digitales*

Nombre del Alumno(a): *Ángel Armando Ramírez Vázquez*

Matrícula: *1221100627*

Materia:

Programación de Redes

Nombre de la Actividad:

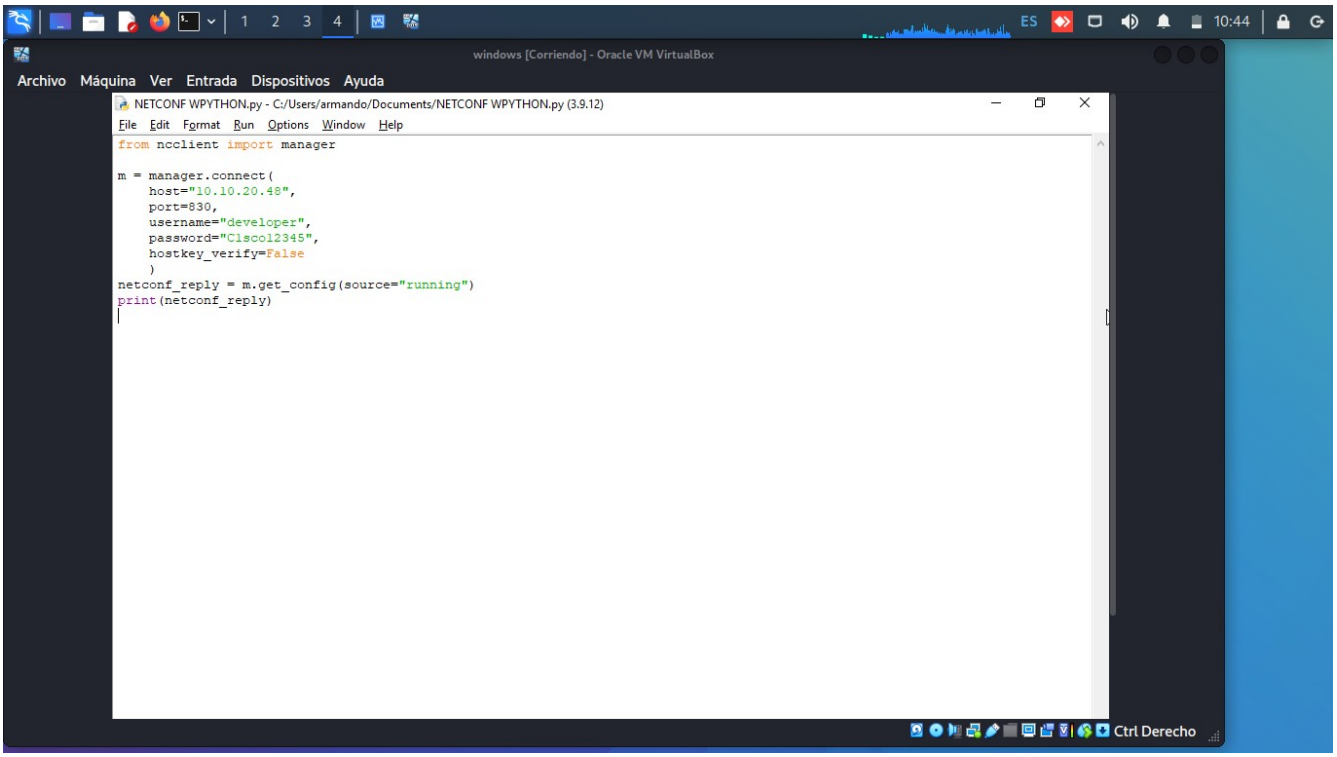
2.8 Lab - NETCONF wPython Device Configuration

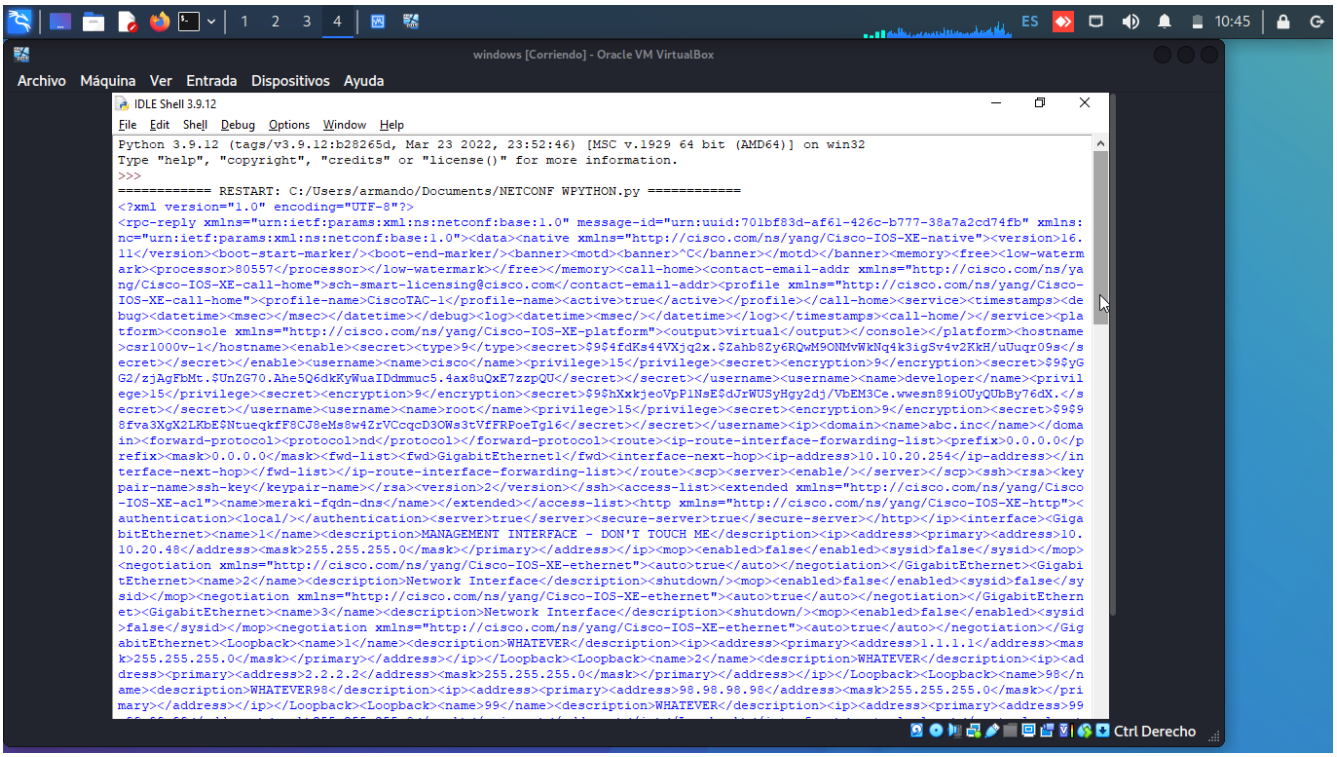
Profesor:

Barron Rodríguez Gabriel

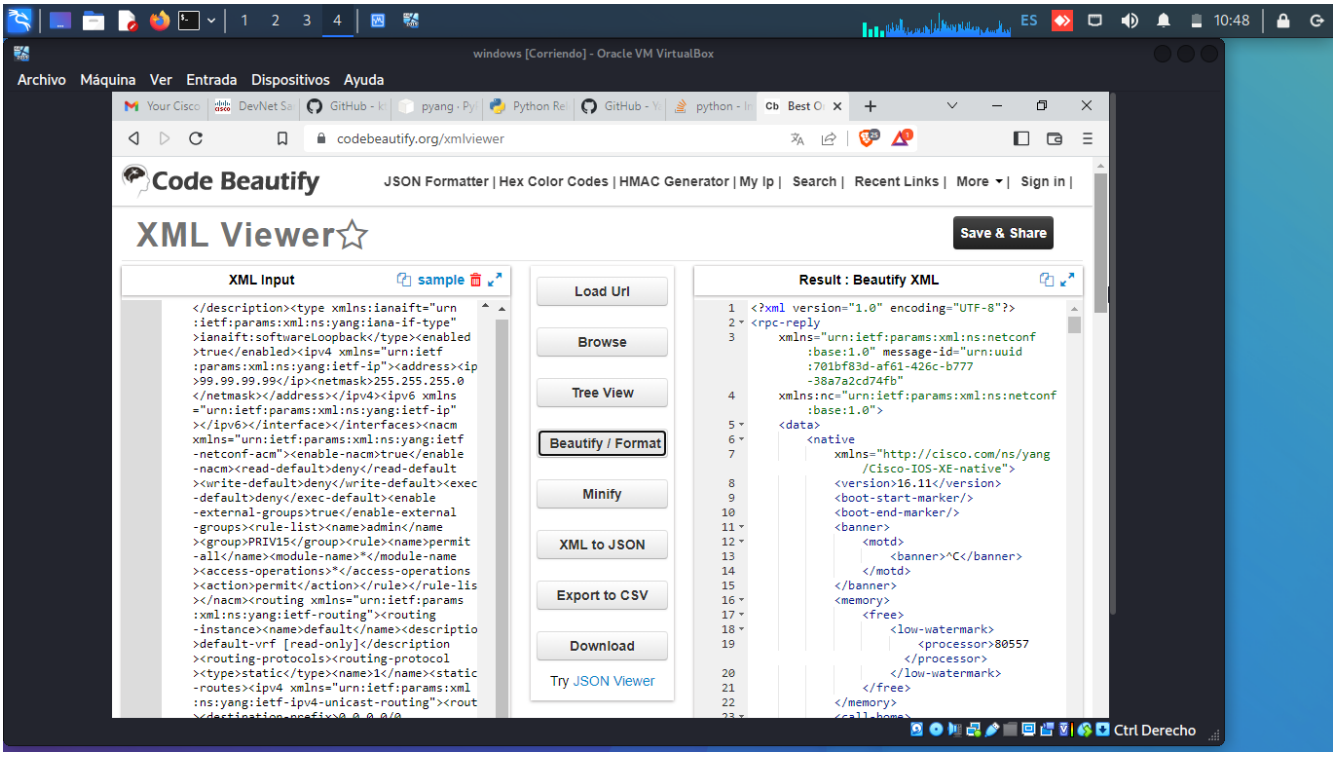
Lugar y Fecha de Presentación: Dolores Hidalgo C.I.N.; hoy 6 de Diciembre del 2022

Paso 1. Usa ncclient para obtener la configuración de los dispositivos.

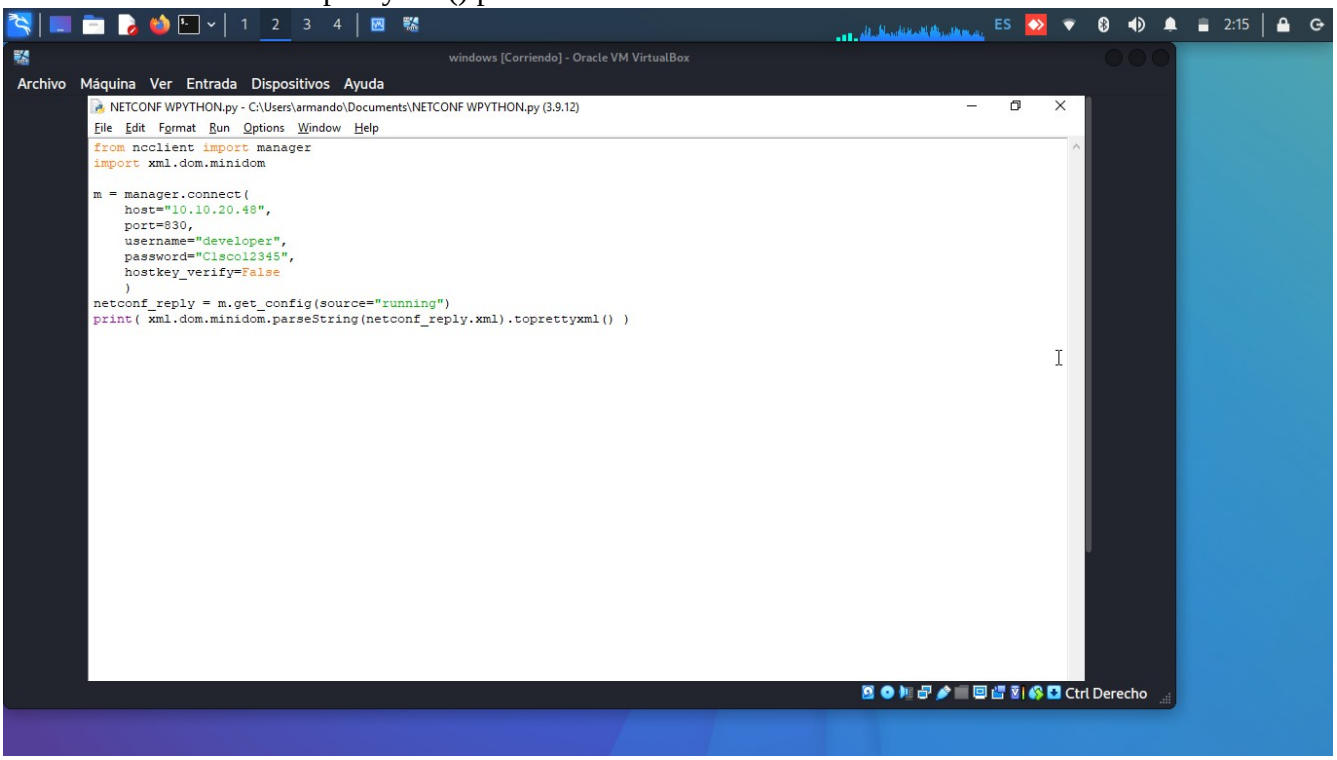


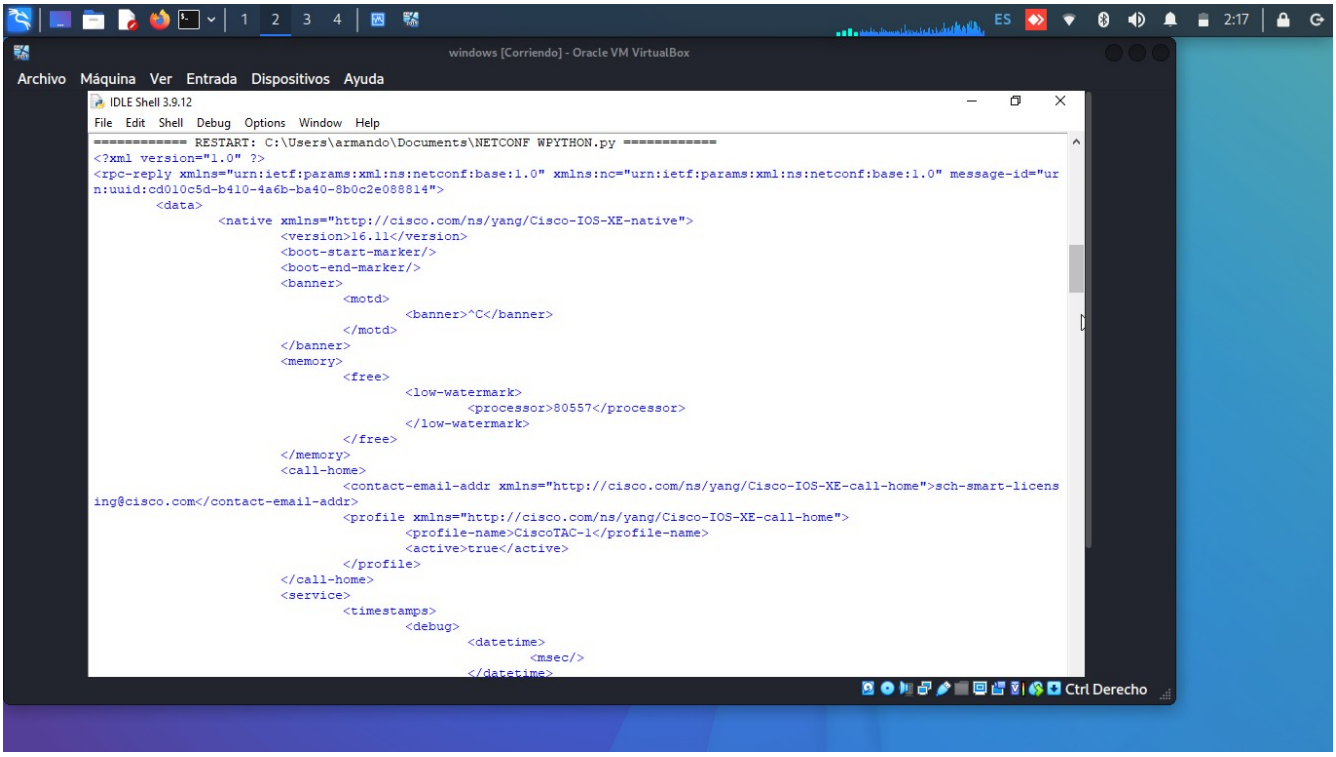


Paso 2. Usa CodeBeauty.com para evaluar la respuesta.

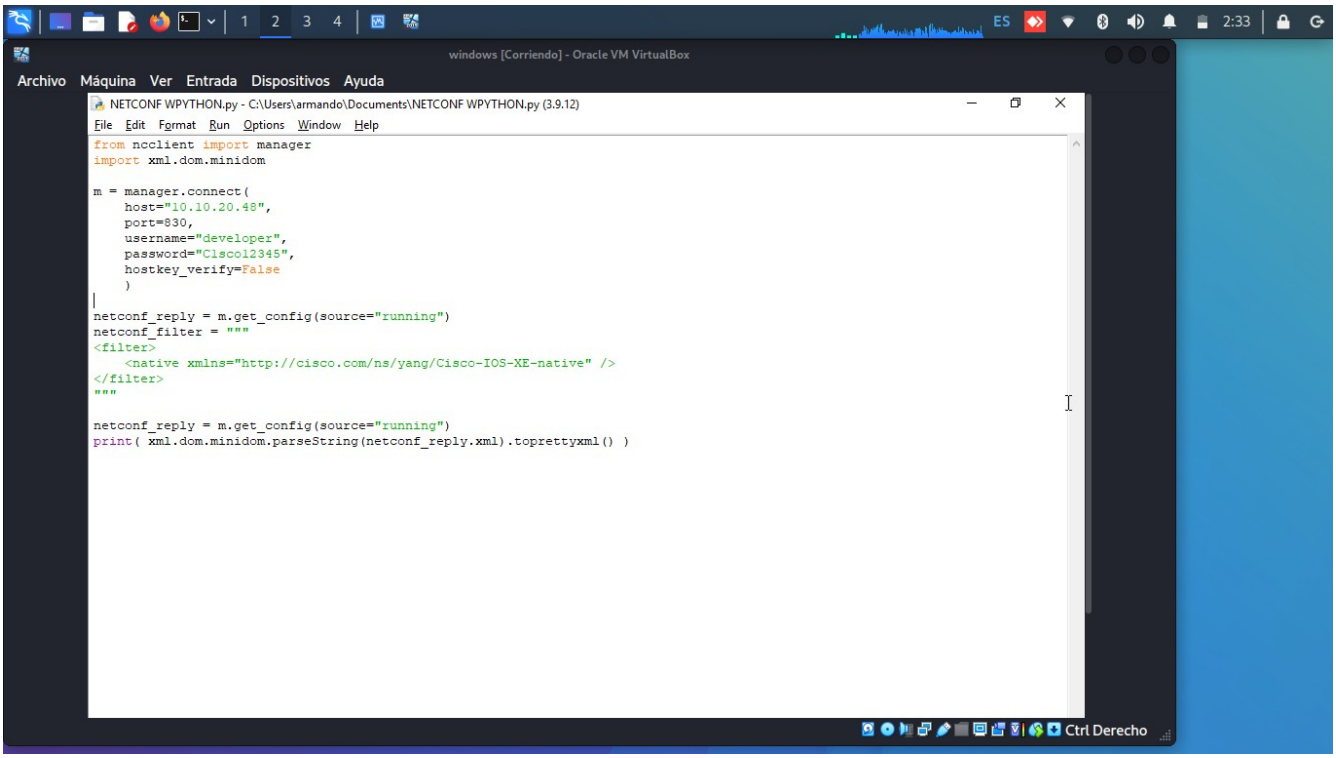


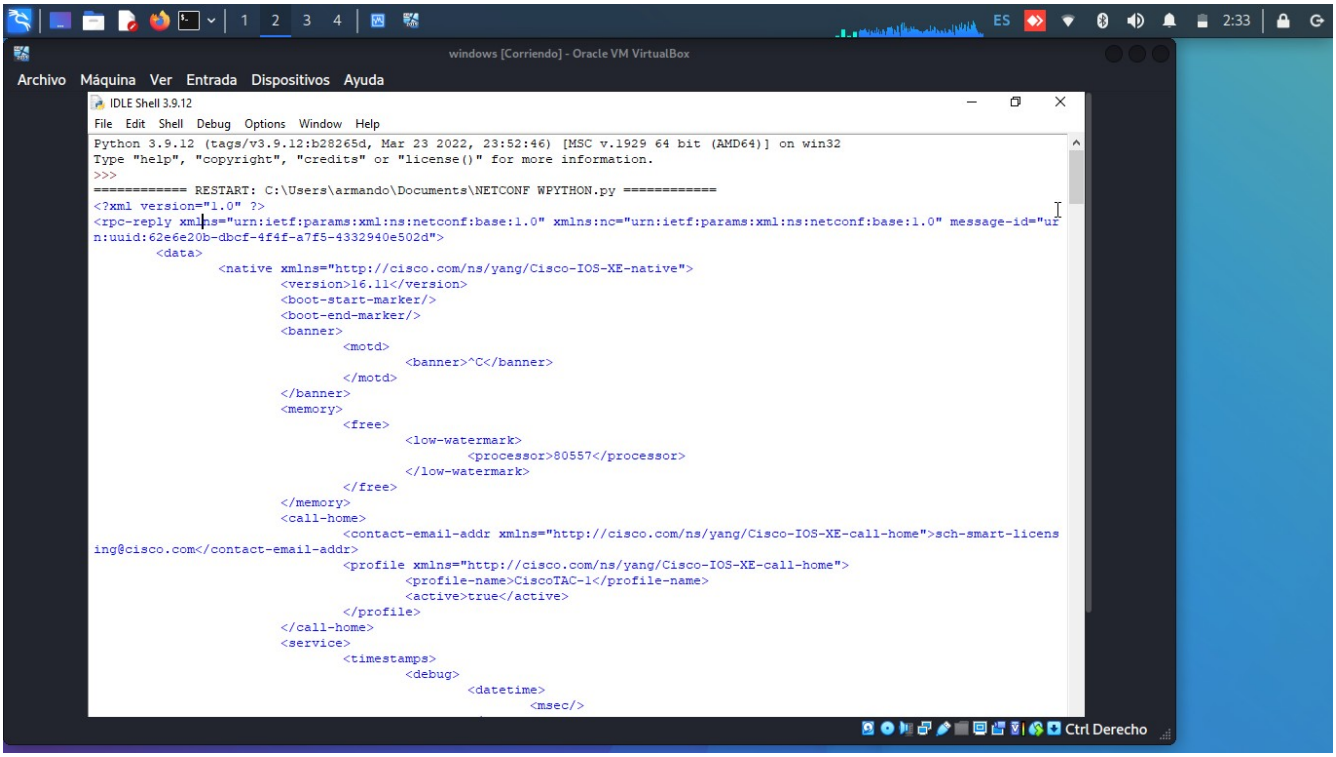
Paso 3. Usa la función toprettyxml() para embellecer la salida.





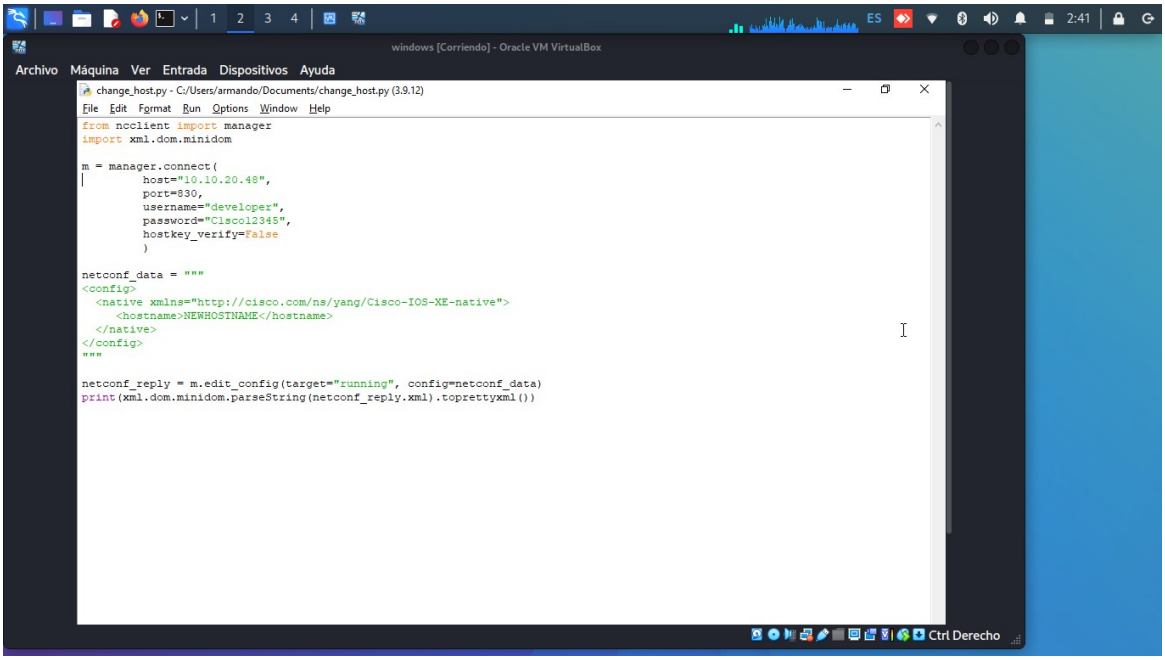
Paso 4. Usa filtros para devolver la configuración definida como un modelo especifico de modelo YANG.

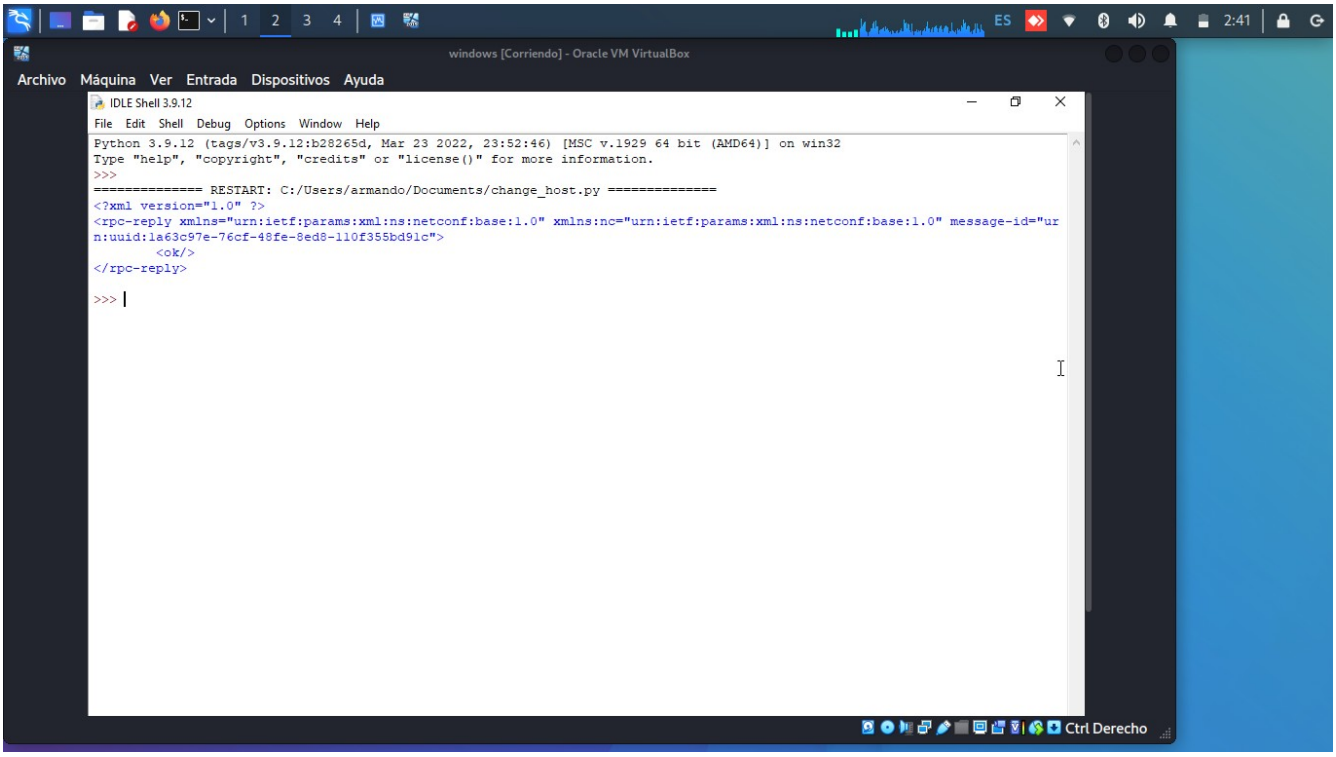




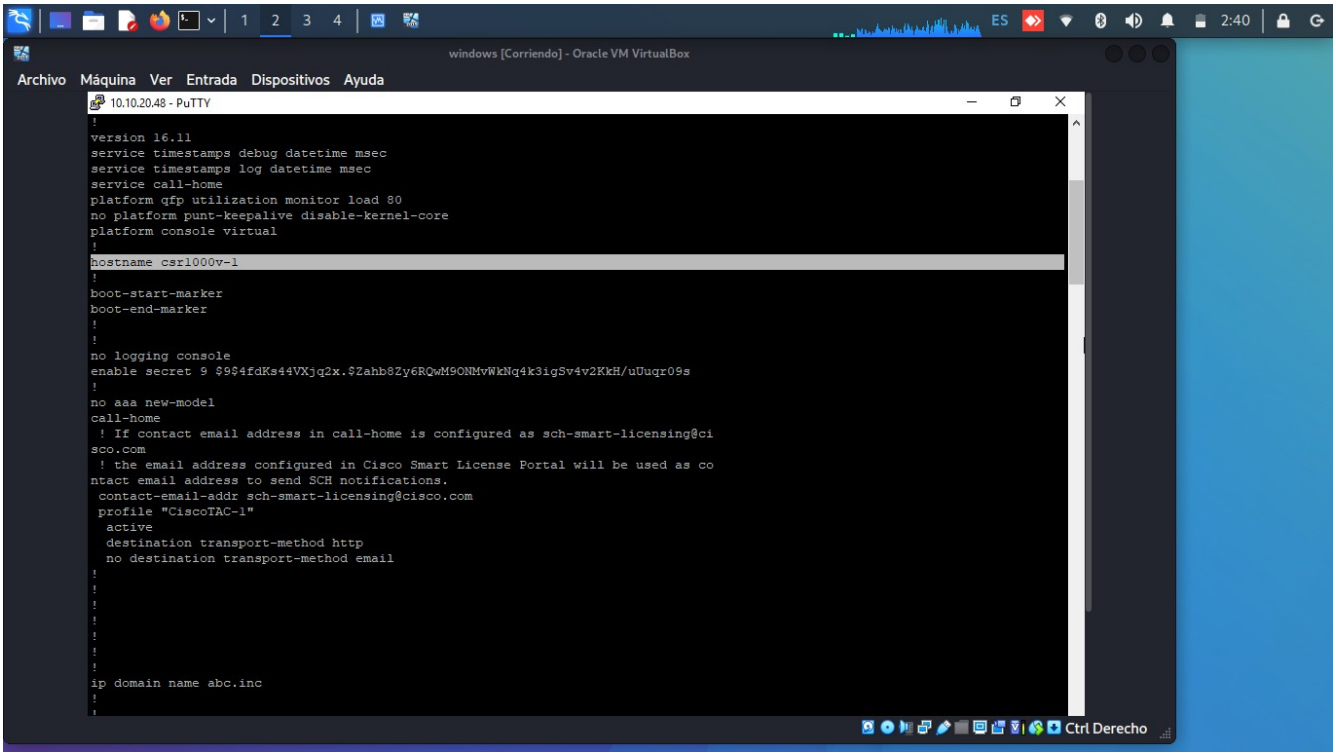
Parte 2. Actualiza la configuración del dispositivos.

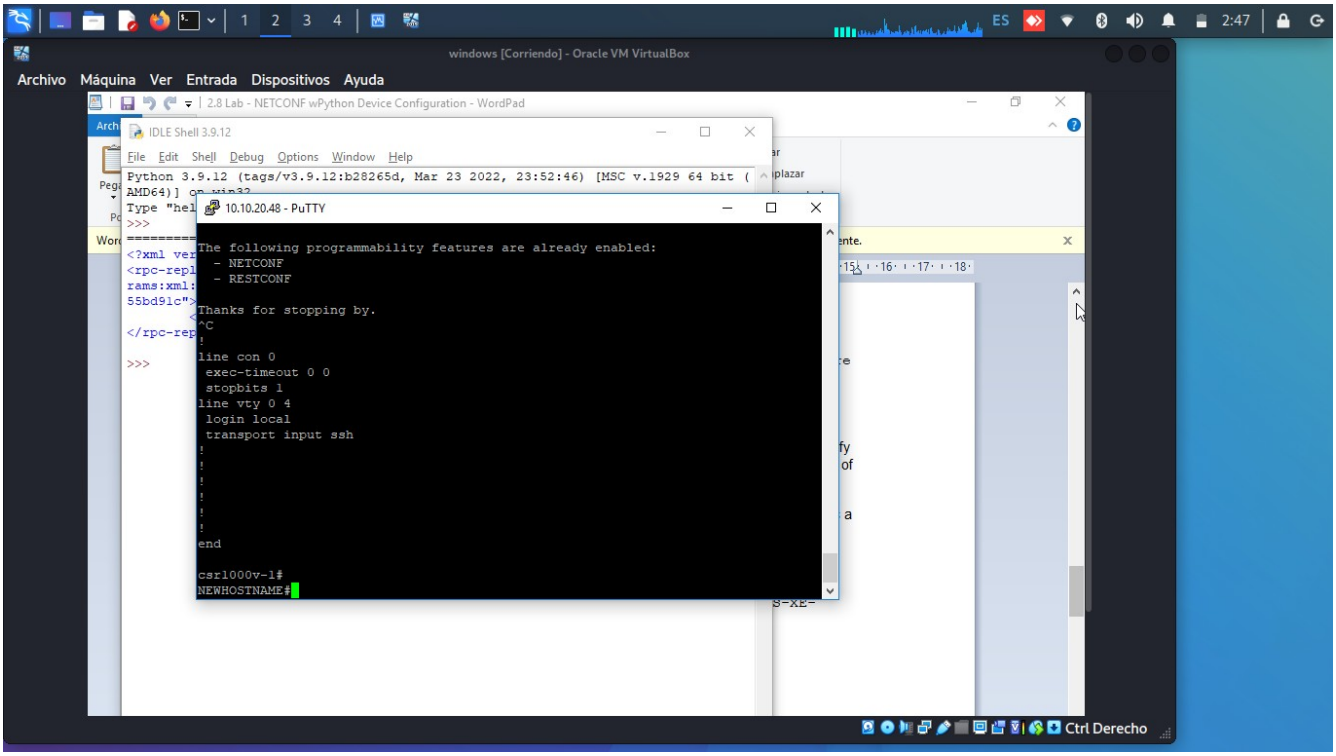
Paso 1. Crea un nuevo script de python y configuralo para cambiar el hostname.



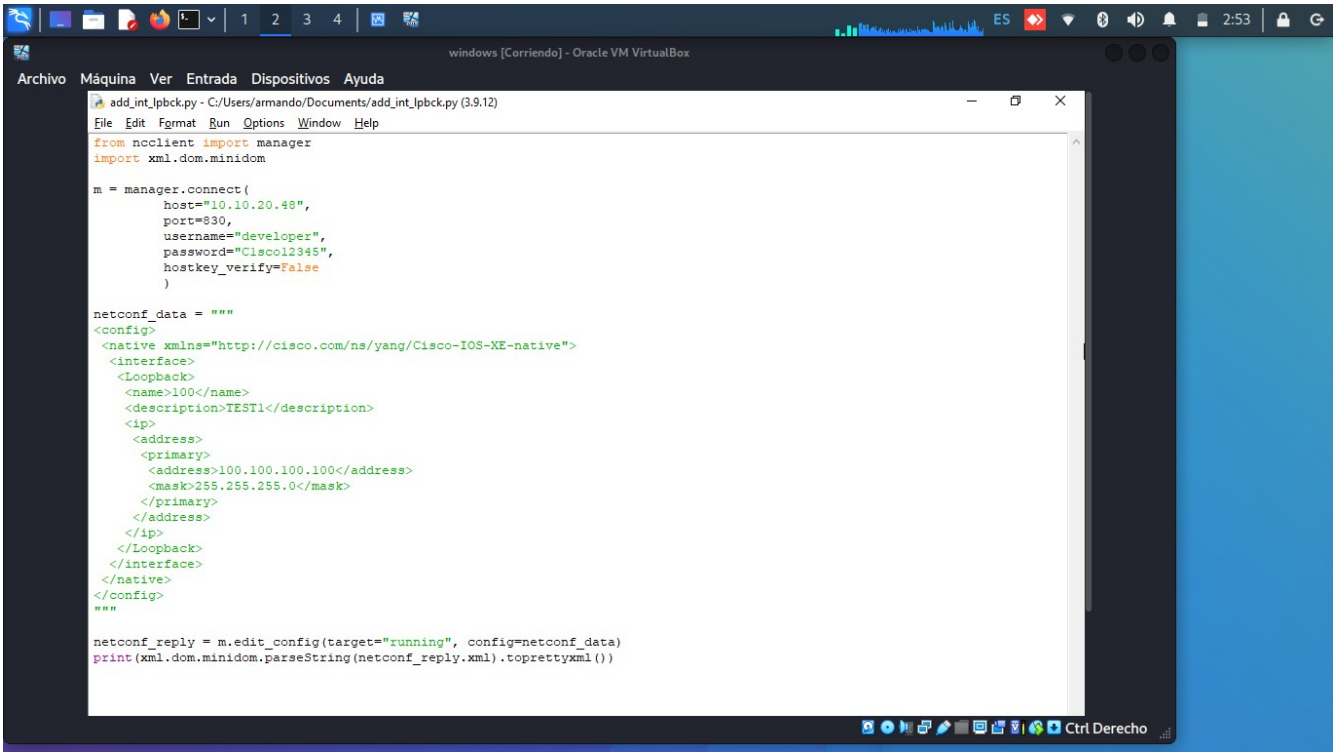


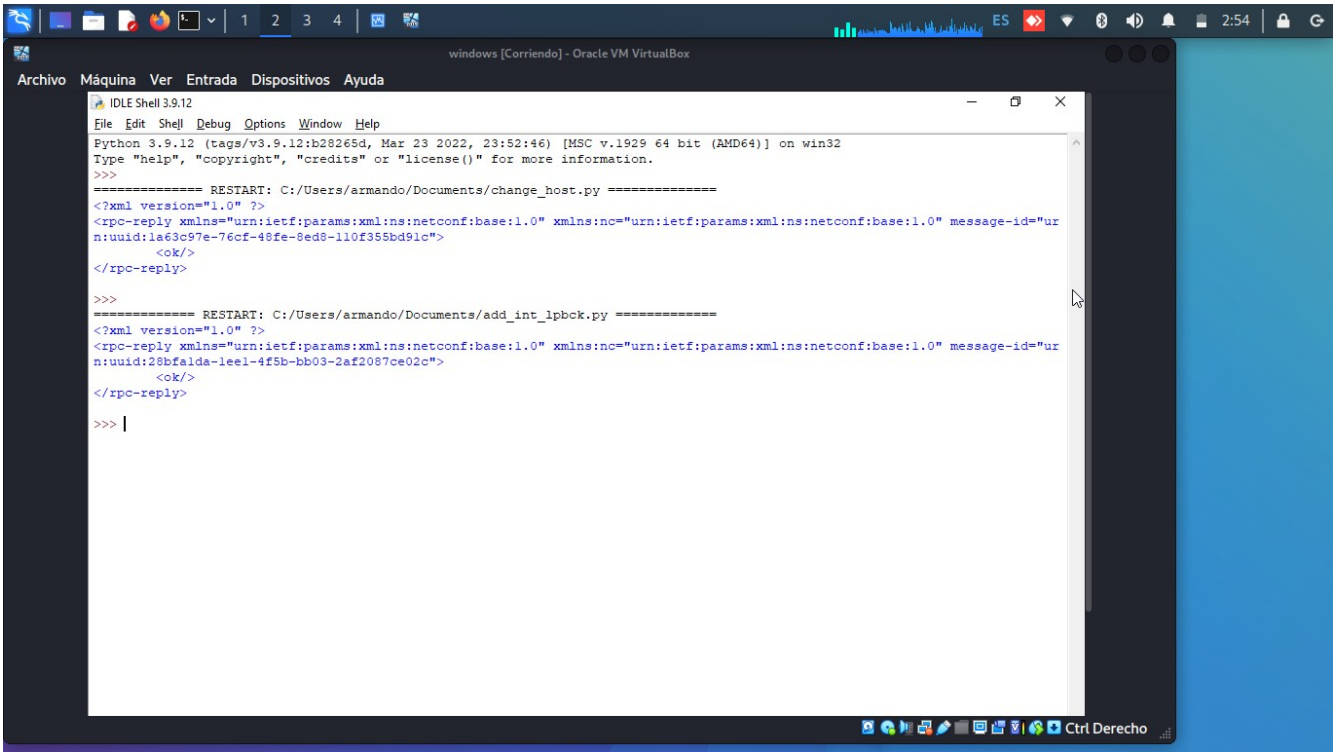
Verificamos:



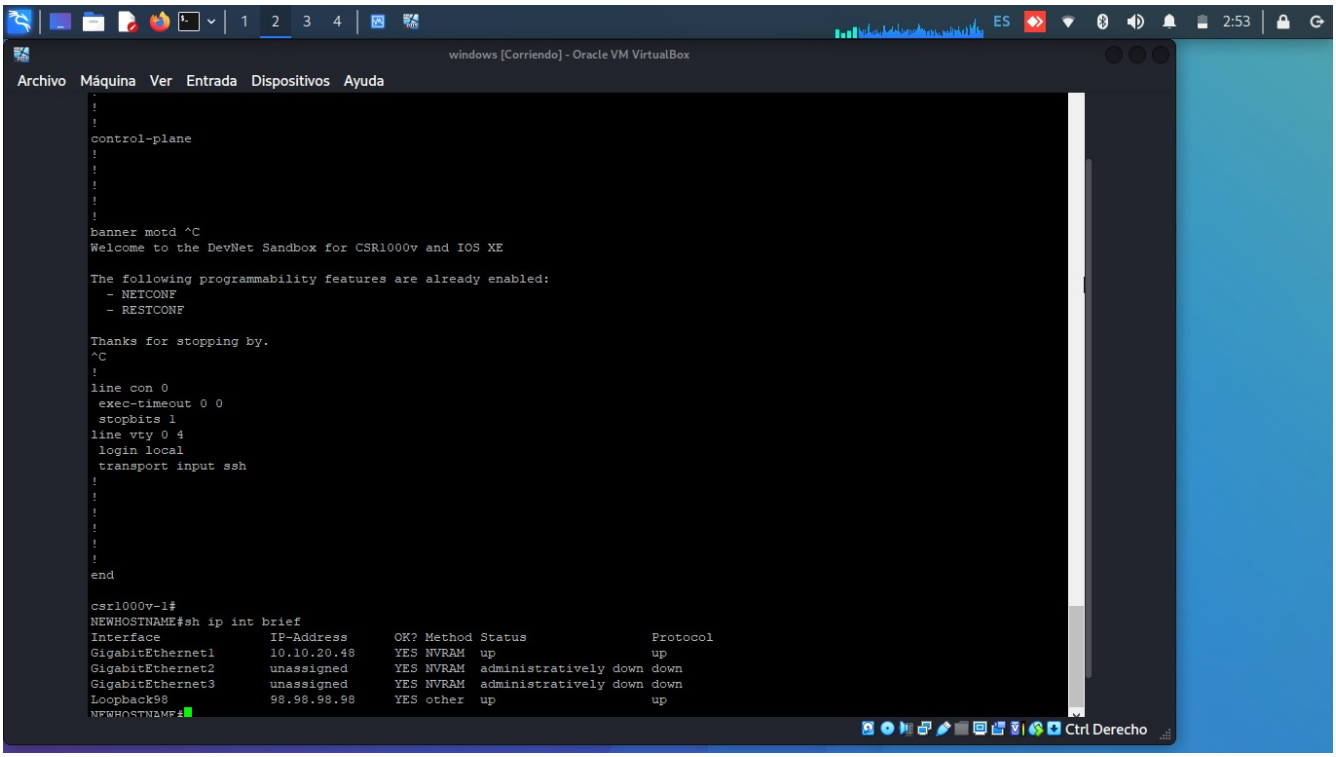


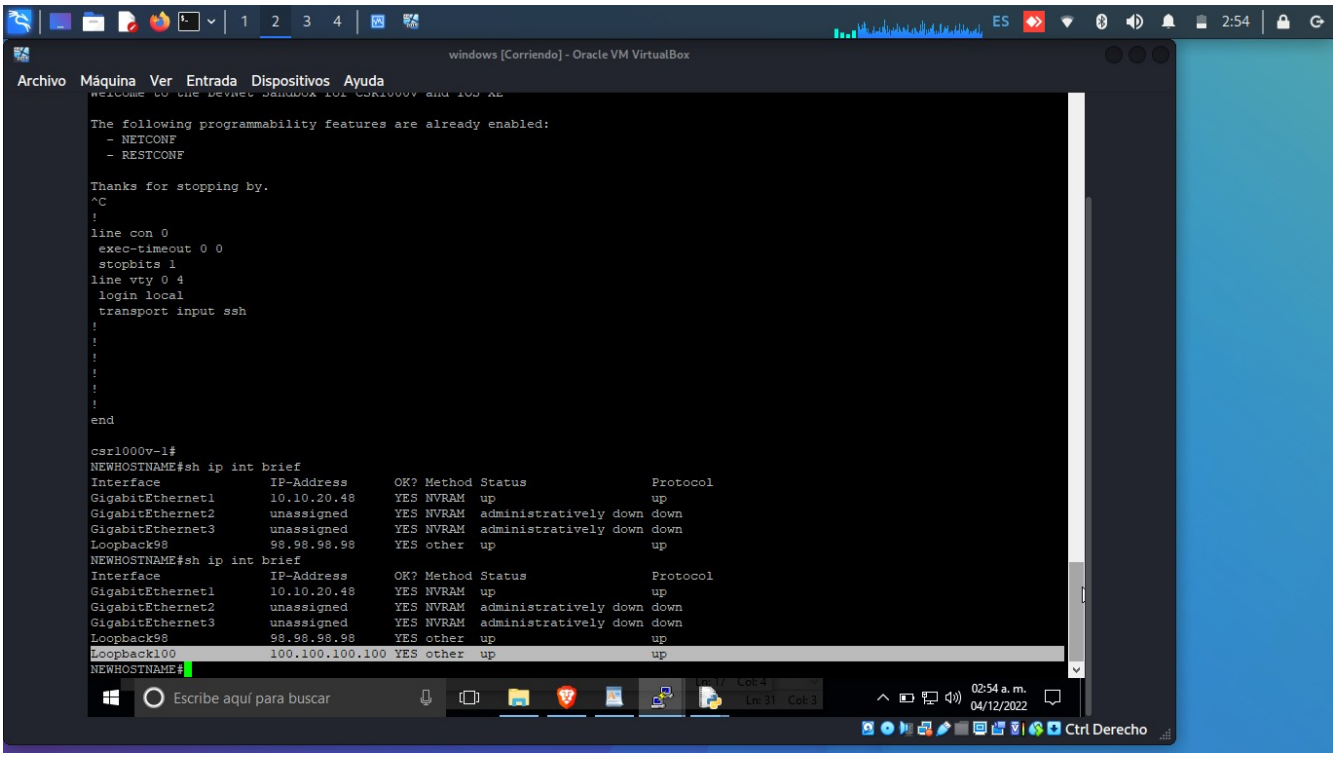
Paso 2. Crearemos una interfaz loopback.



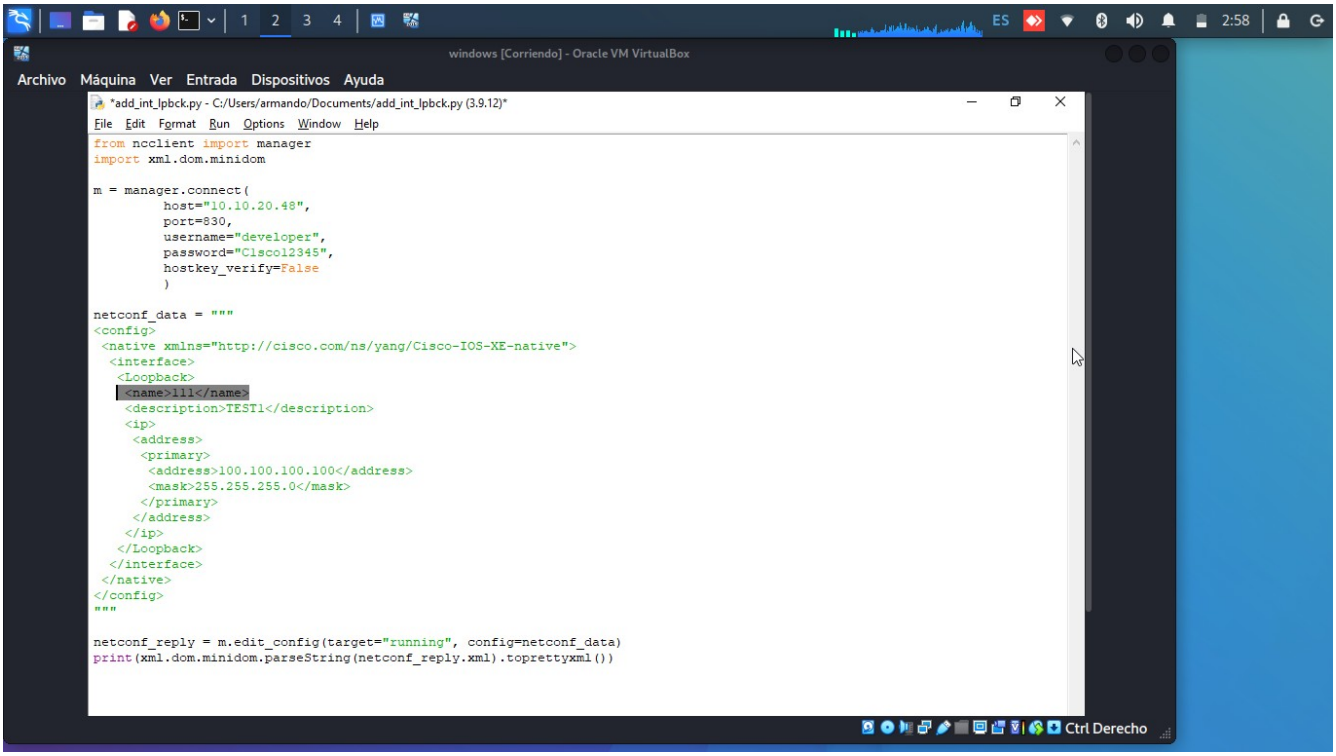


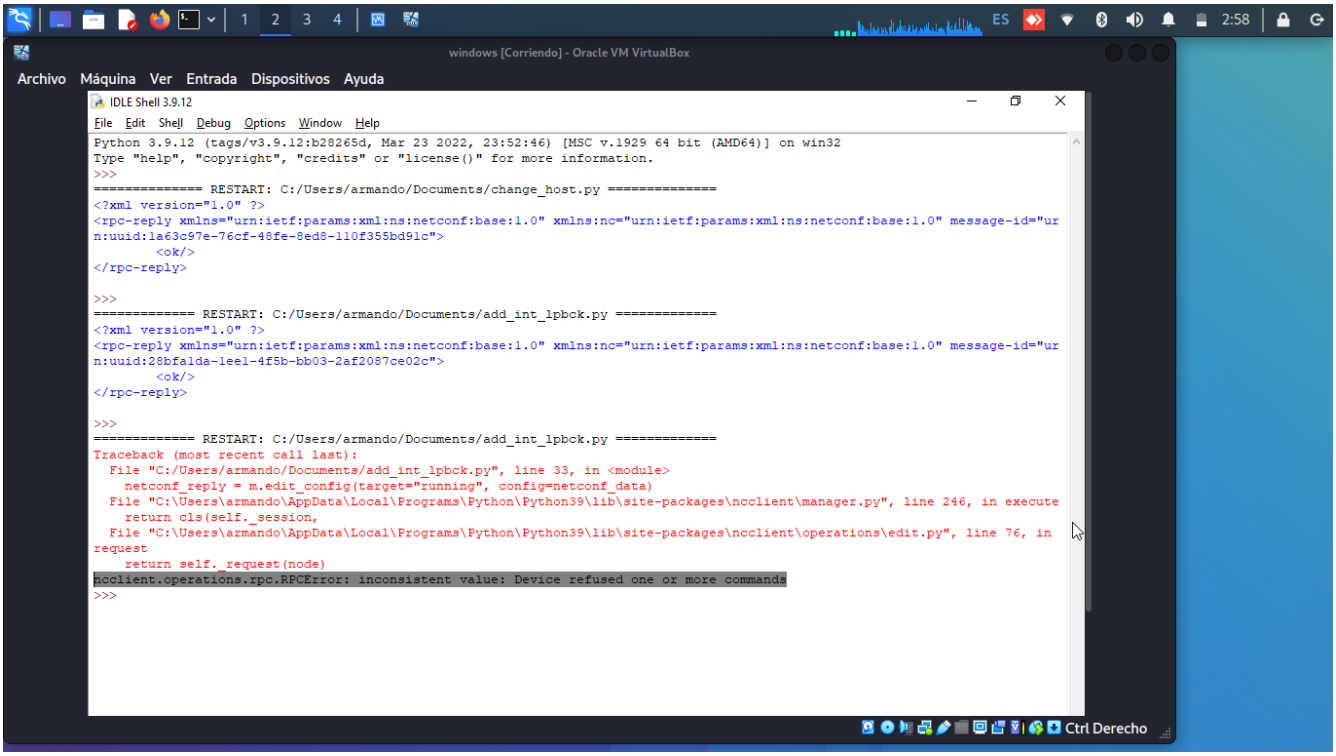
Verificamos:





Paso 4: Crea una nueva interfaz loopback con conflicto de dirección IP.




windows [Corriendo] - Oracle VM VirtualBox
Archivo Máquina Ver Entrada Dispositivos Ayuda
IDLE Shell 3.9.12
File Edit Shell Debug Options Window Help
Python 3.9.12 (tags/v3.9.12:b28265d, Mar 23 2022, 23:52:46) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/armando/Documents/change_host.py ==========
<?xml version="1.0" ?>
<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:1a63c97e-76cf-48fe-8ed8-110f355bd91c">
<ok/>
</rpc-reply>
>>>
========== RESTART: C:/Users/armando/Documents/add_int_lpbck.py ==========
<?xml version="1.0" ?>
<rpc-reply xmlns="urn:ietf:params:xml:ns:netconf:base:1.0" xmlns:nc="urn:ietf:params:xml:ns:netconf:base:1.0" message-id="urn:uuid:28bfalda-1ee1-4f5b-bb03-2af2087ce02c">
<ok/>
</rpc-reply>
>>>
========== RESTART: C:/Users/armando/Documents/add_int_lpbck.py ==========
Traceback (most recent call last):
File "C:/Users/armando/Documents/add_int_lpbck.py", line 33, in <module>
netconf_reply = m.edit_config(target="running", config=netconf_data)
File "C:\Users\armando\AppData\Local\Programs\Python\Python39\lib\site-packages\ncclient\manager.py", line 246, in execute
return cls(self._session,
File "C:\Users\armando\AppData\Local\Programs\Python\Python39\lib\site-packages\ncclient\operations\edit.py", line 76, in request
return self._request(node)
ncclient.operations.rpc.RPCError: inconsistent value: Device refused one or more commands
>>>
Ctrl Derecho