



**Facultad de:** *Infraestructura de Redes Digitales.*

**Nombre del Alumno(a):**

*Jessica Quetzali Castillo Avilés*

**Matrícula:** *1221100373*

**Materia:**

*PROGRAMACIÓN DE REDES.*

**Nombre de la Actividad:**

*Laboratorio 1.*

**Docente:**

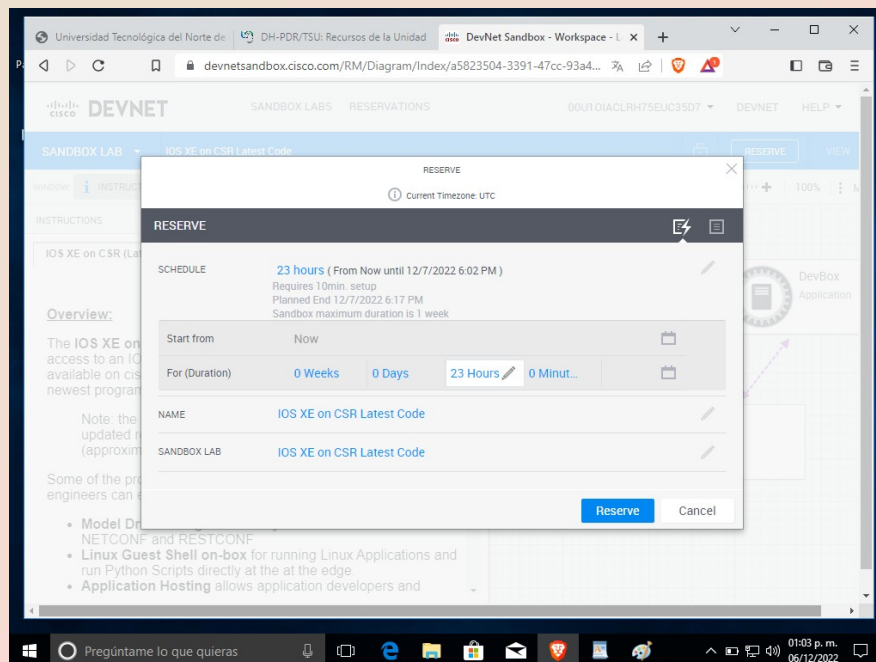
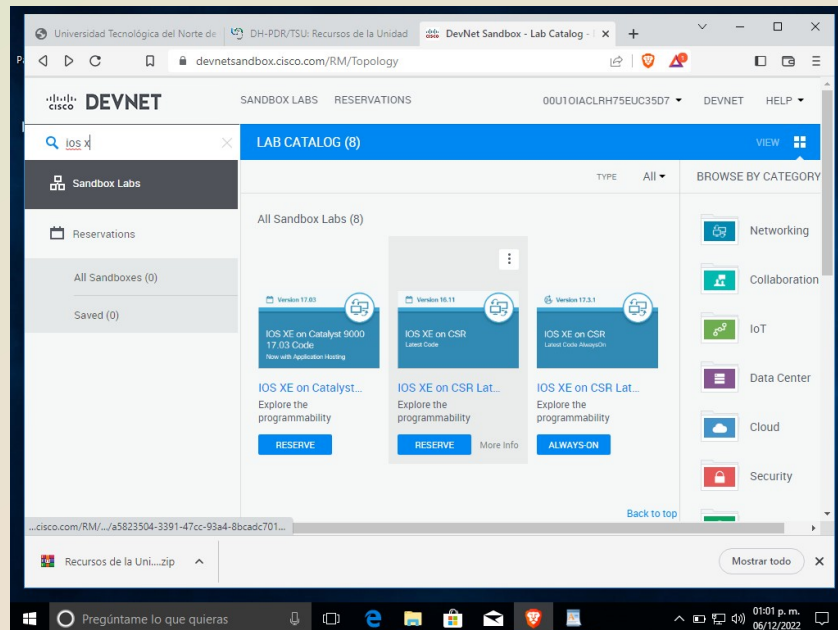
*Gabriel Barrón Rodríguez*

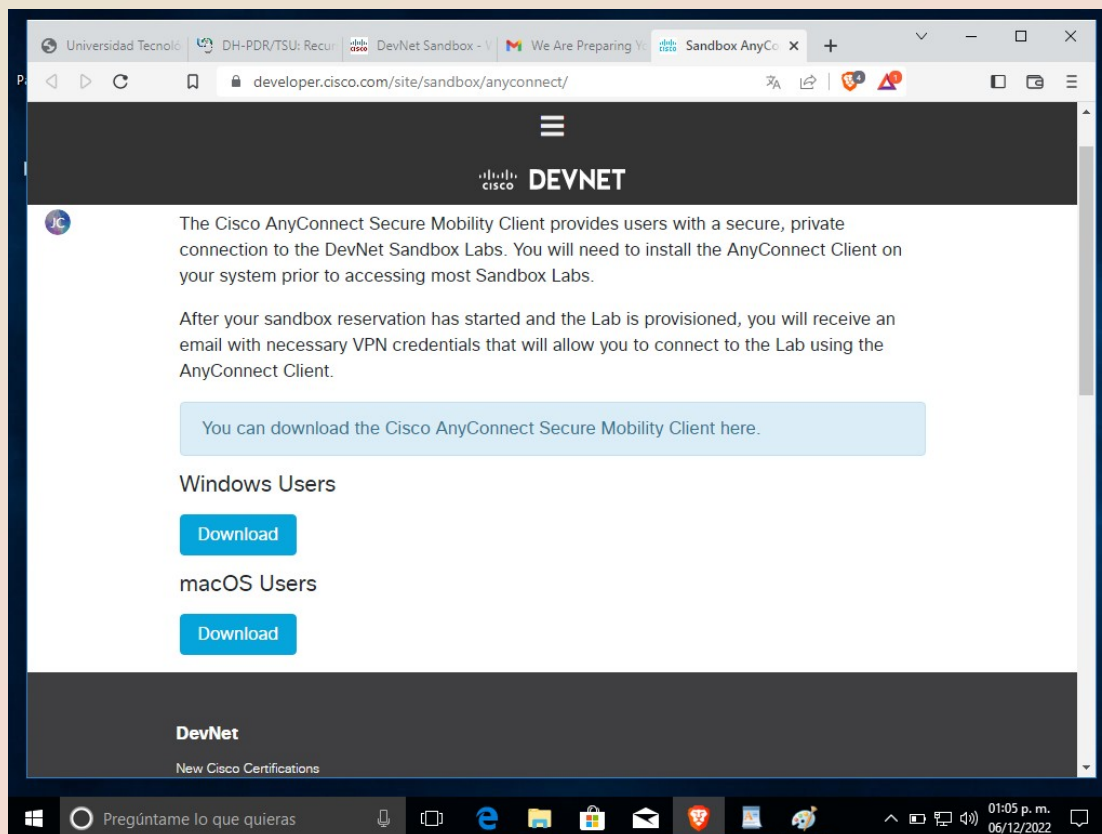
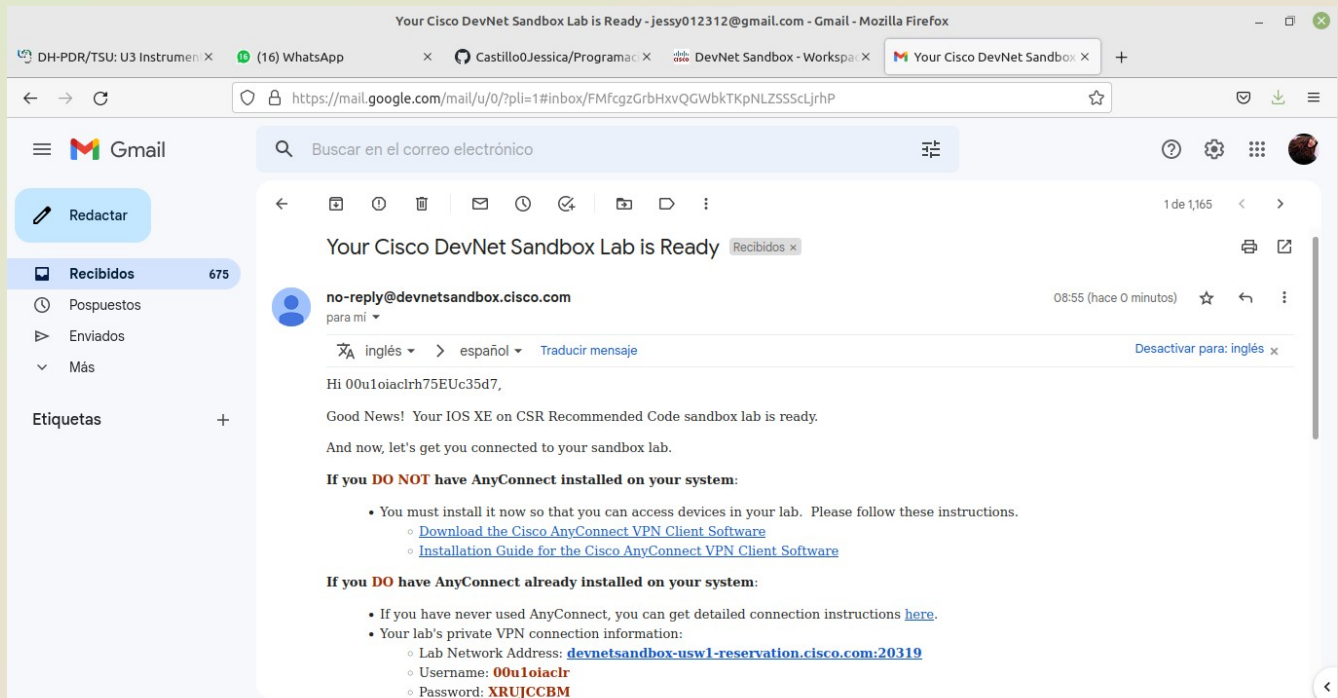
*Dolores Hidalgo C.I.N.; a 07 de Diciembre 2022*



## Lab 01 – Programabilidad de la Red.

Crear una reservación en SandBox y conectarse al VPN.







install:

- ☒ Core & VPN
- ☐ Start Before Login
- ☐ Network Access Manager
- ☐ VPN Posture (Hostscan)
- ☐ AMP Enabler
- ☐ Network Visibility Module
- ☐ Cloud Web Security
- ☐ Umbrella Roaming Security
- ☐ ISE Posture
- ☐ Select All
- ☐ Diagnostic And Reporting Tool
- ☐ Lock Down Component Services

Install Selected

...a secure, private  
...the AnyConnect Client on  
...oned, you will receive an  
...ct to the Lab using the  
...nt here.

mail.google.com/mail/u/0/#inbox/FMfcgzGrbRVWfcrqIVICKQxjSNqSdWV

Registro en línea DHCP | Cisco Gmail Maps https://www.gocon... Información general Cuestionario de co... Calculadora subred... IP Calculator

Buscar en el correo electrónico

2 de 1,181

Good News! Your IOS XE on CSR Latest Code sandbox lab is ready.  
And now, let's get you connected to your sandbox lab.

If you DO NOT have AnyConnect installed on your system:

- You must install it now so that you can access devices in your lab. Please follow these instructions.
  - [Download the Cisco AnyConnect VPN Client Software](#)
  - [Installation Guide for the Cisco AnyConnect VPN Client Software](#)

If you DO have AnyConnect already installed on your system:

- If you have never used AnyConnect before, you must first install it on your system.
- Your lab's private VPN connection details are:
  - Lab Network Address: 10.10.10.10
  - Username: 00u1oia
  - Password: PTNADR
- Did you have issues connecting to the lab? You can get help here.
- You can now use the Lab Web Interface. If you prefer, you can use the Lab Web Interface.

To access your sandbox lab:

- Go directly to your [IOS XE on CSR Latest Code lab](#).

Please enter your username and password.

Group: SSLClient

Username: 00u1oia

Password: \*\*\*\*\*

OK Cancel

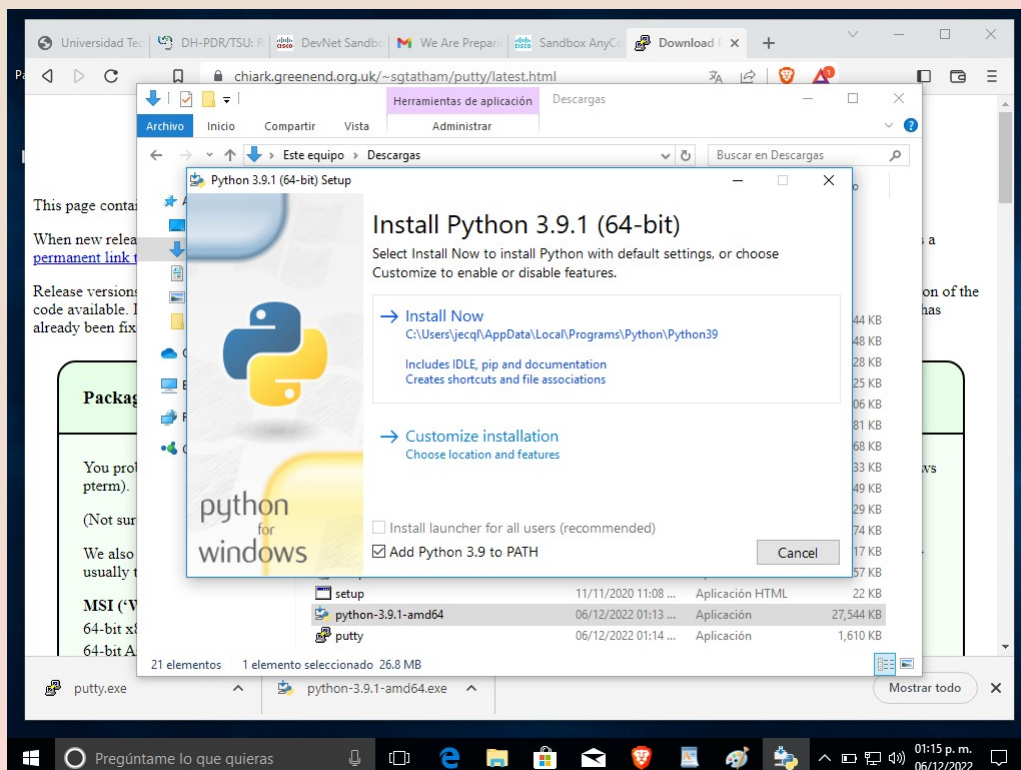
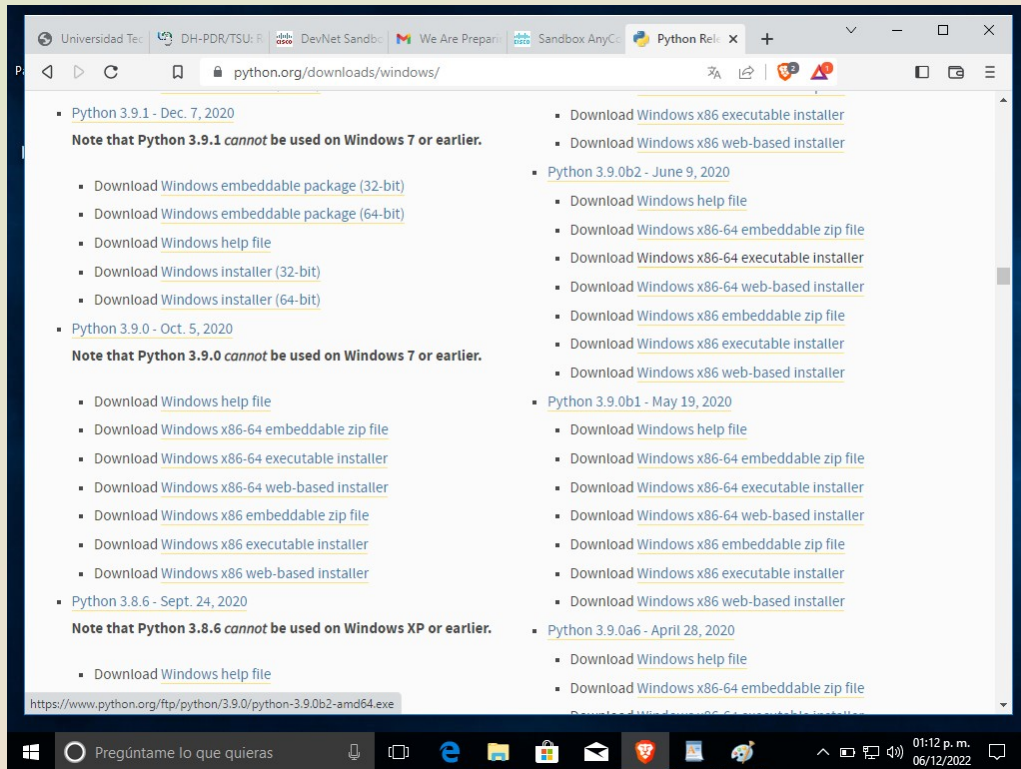
Cisco AnyConnect Secure Mobility Client

VPN: Please enter your username and password.

devnetsandbox-usw1-reservation

Connect







chiark.greenend.org.uk/~sgtatham/putty/latest.html

### Alternative binary files

The installer packages above will provide versions of all of these (except PuTTYtel and pterm), but you can download standalone binaries one by one if you prefer.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

**putty.exe (the SSH and Telnet client itself)**

64-bit x86:	<a href="#">putty.exe</a>	( <a href="#">signature</a> )
64-bit Arm:	<a href="#">putty.exe</a>	( <a href="#">signature</a> )
32-bit x86:	<a href="#">putty.exe</a>	( <a href="#">signature</a> )

**pscp.exe (an SCP client, i.e. command-line secure file copy)**

64-bit x86:	<a href="#">pscp.exe</a>	( <a href="#">signature</a> )
64-bit Arm:	<a href="#">pscp.exe</a>	( <a href="#">signature</a> )
32-bit x86:	<a href="#">pscp.exe</a>	( <a href="#">signature</a> )

**psftp.exe (an SFTP client, i.e. general file transfer sessions much like FTP)**

64-bit x86:	<a href="#">psftp.exe</a>	( <a href="#">signature</a> )
64-bit Arm:	<a href="#">psftp.exe</a>	( <a href="#">signature</a> )
32-bit x86:	<a href="#">psftp.exe</a>	( <a href="#">signature</a> )

**puttytel.exe (a Telnet-only client)**

64-bit x86:	<a href="#">puttytel.exe</a>	( <a href="#">signature</a> )
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[python-3.9.1-amd64.exe](#) Mostrar todo

chiark.greenend.org.uk/~sgtatham/putty/latest.html

Putty Configuration

Category: Session

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address)  Port

Connection type: ☒ SSH ☐ Serial ☐ Other:

Load, save or delete a stored session

Saved Sessions

Default Settings

Close window on exit: ☐ Always ☐ Never ☒ Only on clean exit

Open Cancel

21 elementos 1 elemento seleccionado 1.57 MB

putty.exe python-3.9.1-amd64.exe



Universidad Tecnológica  
del Norte de Guanajuato  
Organismo Público Descentralizado del Gobierno del Estado

Univer... DH-PDR/TSU: Recursos de DevNet Sandbox - Wo... Your Cisco DevNet Sandbo...

devnetsandbox.cisco.com/RM/Diagram/Index/d6ff544a-9830-444d-...

DEVNET SANDBOX LABS RESERVATIONS 00U10IACLRH75EUC35D7 DEVNET HELP

SANDBOX ▾ IOS XE on CSR Latest Code

WINDOW: INSTRUCTIONS COMMANDS ACTIVITY

INSTRUCTIONS

IOS XE on CSR (Latest) VPN Access DevBox Info

- CSR1000V Host: 10.10.20.48 (After VPN)
  - SSH Port: 22
  - NETCONF Port: 830
  - RESTCONF Ports: 443
- Username: **developer**
- Password: **C1sco12345**

**Developer Box Credentials:**

- IP: 10.10.20.20 (After VPN connection)
- Username: **developer**
- Password: **C1sco12345**

**Hello World:**  
Check out this repository for various samples to use as examples to get started quickly with the programmability features of IOS XE.

- [DevNet Python Code Samples](#)
- [https://github.com/DevNetSandbox/sbx\\_iosxe](https://github.com/DevNetSandbox/sbx_iosxe)

Samples are being developed across these features and added as you read this so check back often!

**Learning Labs:**  
Here are some Learning Labs where you can get some guided

10.10.20.48 - PuTTY

```
login as: developer
Keyboard-interactive authentication prompts from server:
Password:
End of keyboard-interactive prompts from server

Welcome to the DevNet Sandbox for CSR1000v and IOS XE

The following programmability features are already enabled:
- NETCONF
- RESTCONF

Thanks for stopping by.

csr1000v-l#sh ip int brief
Interface      IP-Address      OK? Method Status      Protocol
GigabitEthernet1  10.10.20.48    YES NVRAM  up          up
GigabitEthernet2  unassigned     YES NVRAM  administratively down down
GigabitEthernet3  unassigned     YES NVRAM  administratively down down
csr1000v-l#
```

Pregúntame lo que quieras

01:32 p. m.  
06/12/2022