



UNIVERSIDAD TECNOLÓGICA DEL NORTE DE GUANAJUATO

Tecnologías de la Información y Comunicación

Programa educativo:

TSU en Infraestructura de Redes Digitales

Área académica:

Programación de Redes

Asignatura:

Unidad III: Programación de Redes **Grupo:** GIR0441

Laboratorio 1 – Programabilidad de Redes

Tarea:

Venado Soria German Emiliano

Alumno:

Gabriel Barrón Rodríguez

Docente:

Dolores Hidalgo, C.I.N., Gto., Jueves 24 de Noviembre de 2022

Lugar y fecha:

1. Buscar el módulo Buscar IOS-XR Programmability:

The screenshot shows the Cisco DevNet Sandbox Labs interface. At the top, there's a header with the Cisco DevNet logo, 'SANDBOX LABS', 'RESERVATIONS', and a user profile 'GERMANEMILIANOVENADOSORIA0366'. Below the header, there are three lab cards. Each card has a version number (16.9.3 or 6.4.1), a title, a description, and a 'RESERVE' button. The first card is 'IOS XE on CSR Recommended Code', the second is 'IOS XE on CSR Recommended Code AlwaysOn', and the third is 'IOS XR Programmability'. A status indicator at the bottom left says 'Currently reserved by me'.

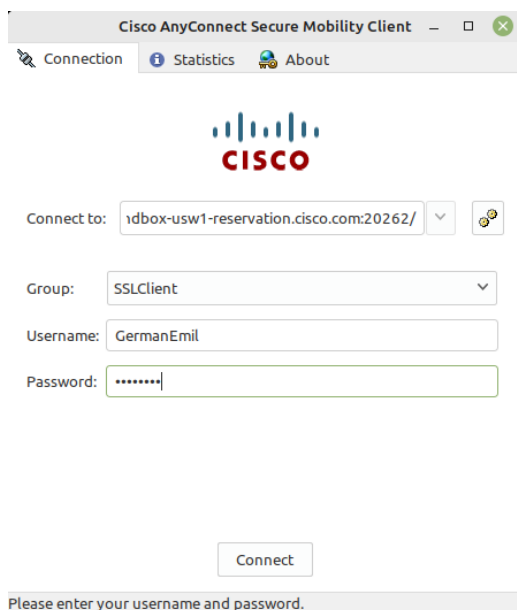
2. Generar la reserva para interactuar en el entorno de Sandbox:

The screenshot shows the 'RESERVE' modal form. It has a title bar with 'RESERVE' and a close button. Below the title bar, there's a 'SCHEDULE' section with a duration of '2 hours 10 minutes' and a start time of 'From Now until 11/24/2022 5:00 PM'. There's a 'NAME' field with the value 'IOS XE on CSR Recommended Code' and a 'SANDBOX LAB' field with the value 'IOS XE on CSR Recommended Code'. At the bottom, there are 'Reserve' and 'Cancel' buttons.

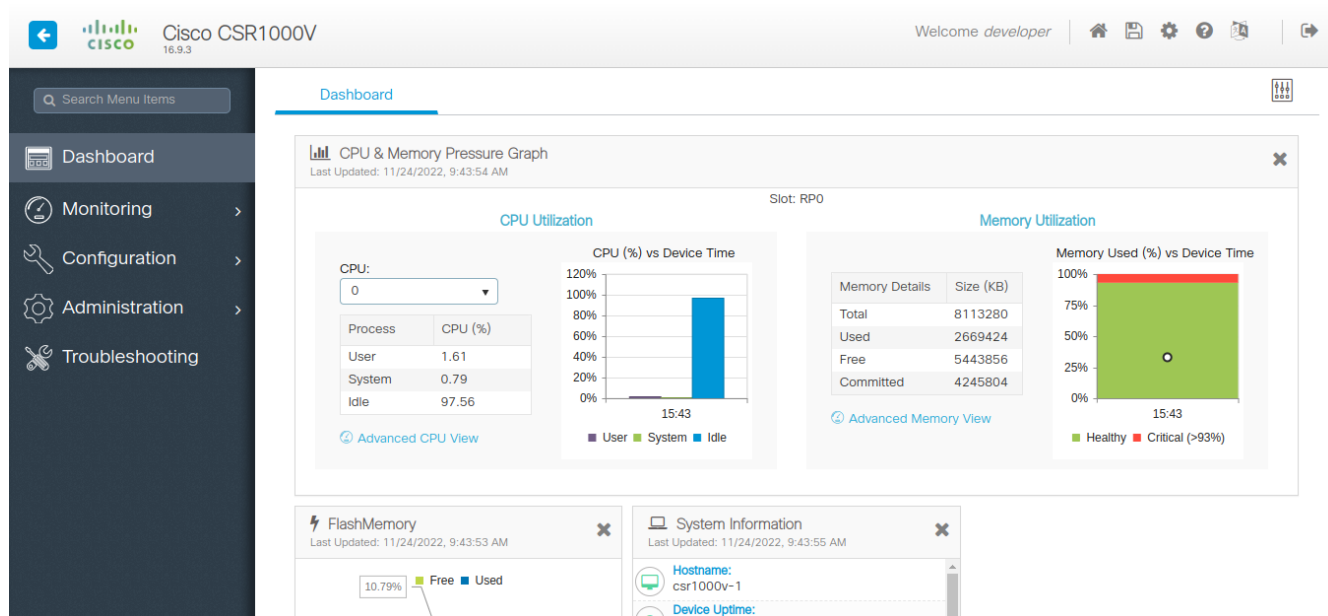
3. Esperar por 10 minutos en lo que se acepta la reserva y nos llegue una notificación al correo electrónico, donde vendrá nuestra liga, usuario y contraseña:

The screenshot shows an email notification from 'no-reply@devnetsandbox.cisco.com'. The email is addressed to 'para mí'. The body of the email says: 'Hi GermanEmilianoVenadoSoria0366, Good News! Your IOS XE on CSR Recommended 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, you can get detailed connection instructions here. Your lab's private VPN connection information: Lab Network Address: devnetsandbox-usw1-reservation.cisco.com:20262 Username: GermanEmil Password: AJAVJYPX Did you have issues connecting? You can get help here, or here. You can now use the Lab Web Portal to get information about the resources in your Lab. You can connect to most devices directly through the Web Portal, or if you prefer, you can use your favorite connection tool such as PuTTY.'

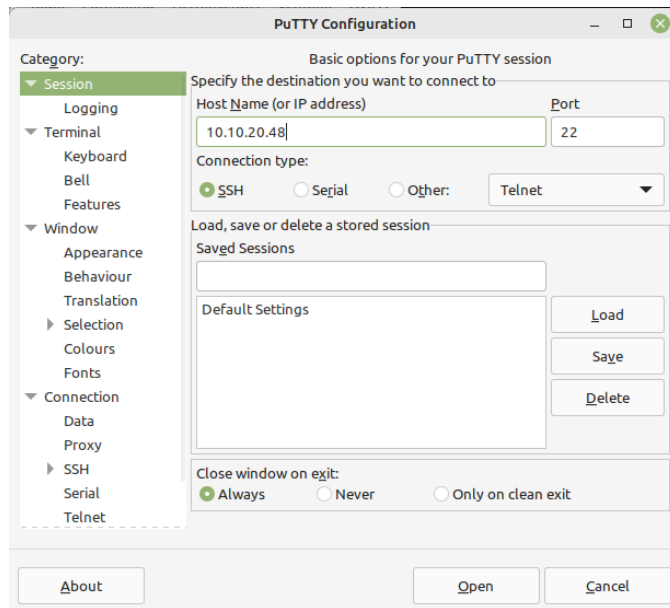
4. Después debemos instalar el cliente de Cisco AnyConnect VPN, para conectarse al entorno Sandbox de manera remota. Debemos iniciar sesión con los datos que nos brindan en el correo de la siguiente manera:



5. Comprobación de que el enrutador **Cisco IOS-XE: 10.10.20.48** está en función:



6. Posteriormente debemos instalar **Putty**, para hacer la conexión remota hacia el enrutador:



7. Por último, debemos iniciar sesión dentro del router con el usuario y contraseña que nos brinda en la pagina de la reserva aceptada:

