



DEVNET SANDBOX LABS RESERVATIONS SAMUELREYNALD0701@GMAIL.COM DEVNET HELP

SANDBOX LAB + IOS XE On Cat8K MDT ZTP RESERVE VIEW

WINDOW INSTRUCTIONS COMMANDS NAVIGATOR STYLE BEHAVIOUR

INSTRUCTIONS

IOS XE on Cat Latest Code Topology VPN Feedback

**Overview**

The IOS XE on Catalyst on Latest Code Sandbox offers developers access to an IOS XE device running the latest IOS XE code release available on cisco.com (currently 17.9.2). Here you can test out the newest programmability features and data models available.

Note: the code release provided in this sandbox is updated regularly as new code is release for IOS XE (approximately every 4 months).

Some of the programmability features developers and network engineers can explore include:

- **Model Driven Programmability** with YANG Data Models and NETCONF and RESTCONF.
- **Linux Guest Shell** on-box for running Linux Applications and run Python Scripts directly at the edge.
- **Application Hosting** allows application developers and network engineers to build and denolv applications (custom or off the

SANDBOX LAB (RESERVE TO ACTIVATE)

Diagram showing network topology:

- IOS XE 9000 Application
- N9K Application
- VLAN VLAN USWB Service
- QEMU Application
- Cisco AnyConnect VPN: Connected
- IOS XE Cat 8 Application

21°C Soleado Buscar 01:04 p.m. 24/11/2023

```

Microsoft Windows [Versión 10.0.22621.2715]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\samuel>ping 10.10.20.48

Haciendo ping a 10.10.20.48 con 32 bytes de datos:
Tiempo de espera agotado para esta solicitud.
Tiempo de espera agotado para esta solicitud.
Tiempo de espera agotado para esta solicitud.
Tiempo de espera agotado para esta solicitud.

Estadísticas de ping para 10.10.20.48:
    Paquetes: enviados = 4, recibidos = 0, perdidos = 4
              (100% perdidos),

C:\Users\samuel>

```

21°C Soleado Buscar 01:07 p.m. 24/11/2023

DEVNET

SANDBOX LABSRESERVATIONS

SAMUELREYNALD0701@GMAIL.COMDEVNETHELP

SANDBOX

IOS XE On Cat8K MDT ZTP

(9 hrs 36 min left)ACTIVEVIEW

WINDOW

INSTRUCTIONS

COMMANDS

ACTIVITY

OUTPUT

INSTRUCTIONS

IOS XE on Cat Latest Code

TopologyVPNFeedback

by viewing details in the **Output** view in the reservation details page.

For more information, see the next tab called VPN Access.

Once connected via software VPN the developer can access the devices using the following:

Catalyst 8000v Credentials

host	port	username	password
10.10.20.48	22	developer	C1sco123
10.10.20.48	830	developer	C1sco123
10.10.20.48	443	developer	C1sco123

Note: The time to achieve guestshell after a wr mem/reload on Catalyst 8000v serial interface is approximately 6 minutes.

Developer Box Credentials

host	port	username	password
------	------	----------	----------

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 Cat8000V and IOS XE

The following programmability features are already enabled:

-NETCONF

-RESTCONF

Thanks for stopping by.

cat8000v

QEMU DevBox-5196...

10.10.20.50

Model DevBox

IOS XE Cat 8Kv-58c...

10.10.20.48

Model Catalyst 8000v

21°C

Soleado

Buscar

01:18 p.m.

24/11/2023