

Workshop Lab Information Deck

CLEUR-2019-Barcelona

Instructors:

Akshat Sharma, Mikhail Korshunov

IOS-XR Programmability

30 Labs Reserved for this Session

Friday

Sandbox Technical Contacts:

- Dan Klingler

Workshop Lab Information

Lab: IOS XR Programmability-101

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20263	EventUser	HQED

Lab System Information:

Development Linux System:

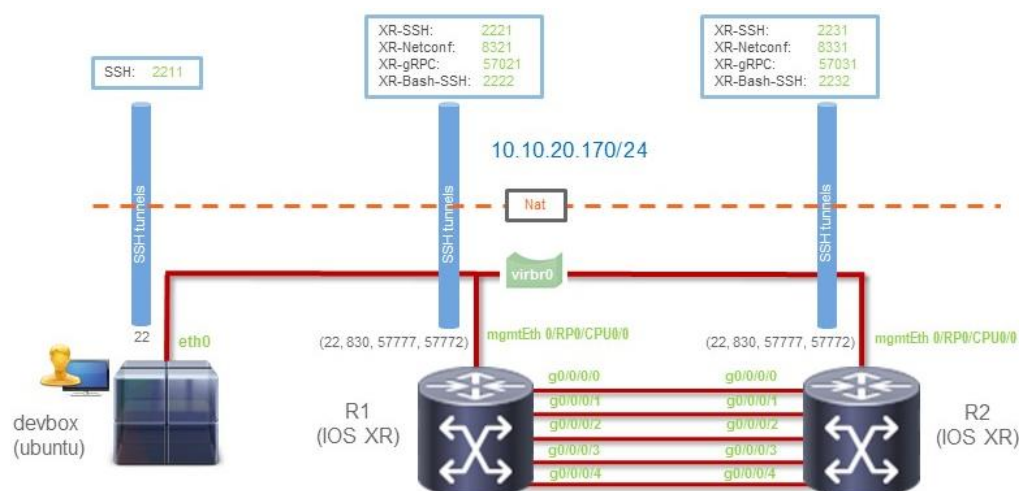
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-102

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20264	EventUser	CKYB

Lab System Information:

Development Linux System:

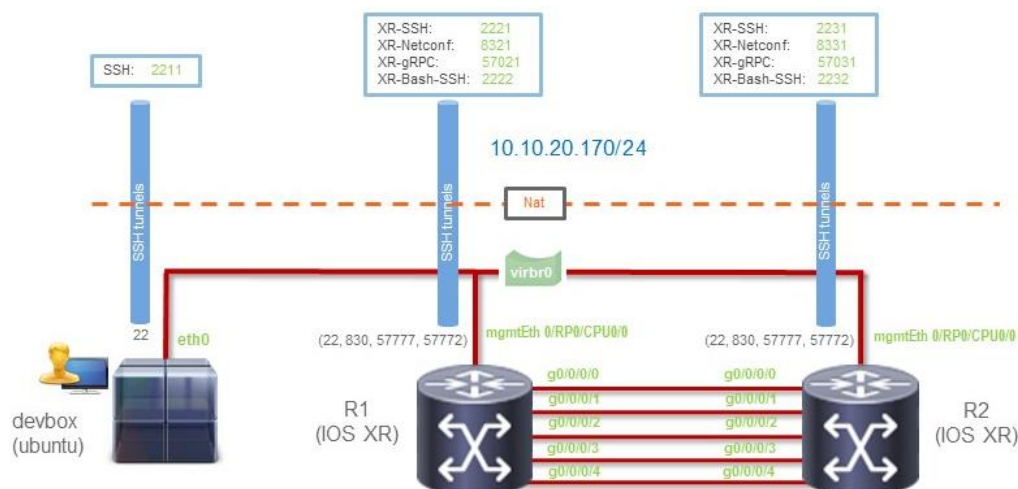
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-103

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20265	EventUser	XAFJ

Lab System Information:

Development Linux System:

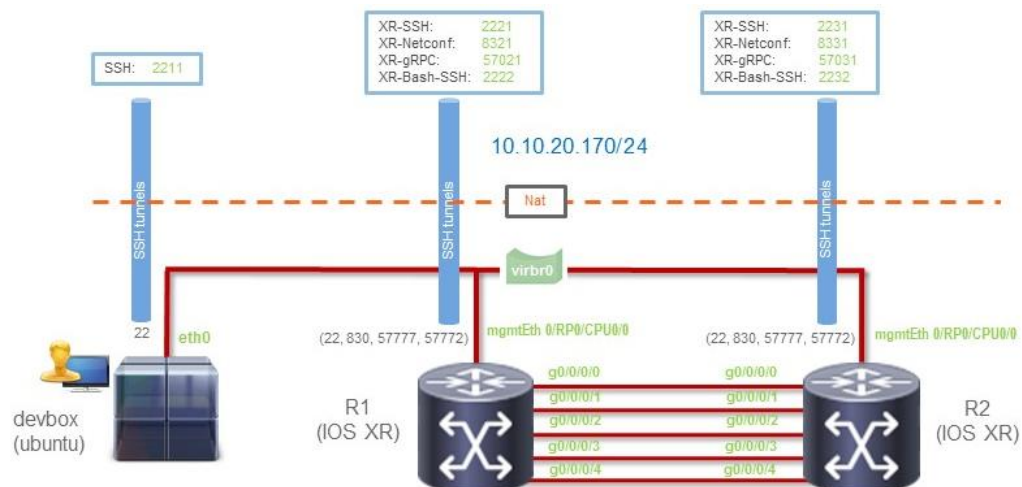
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-104

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20266	EventUser	GKTC

Lab System Information:

Development Linux System:

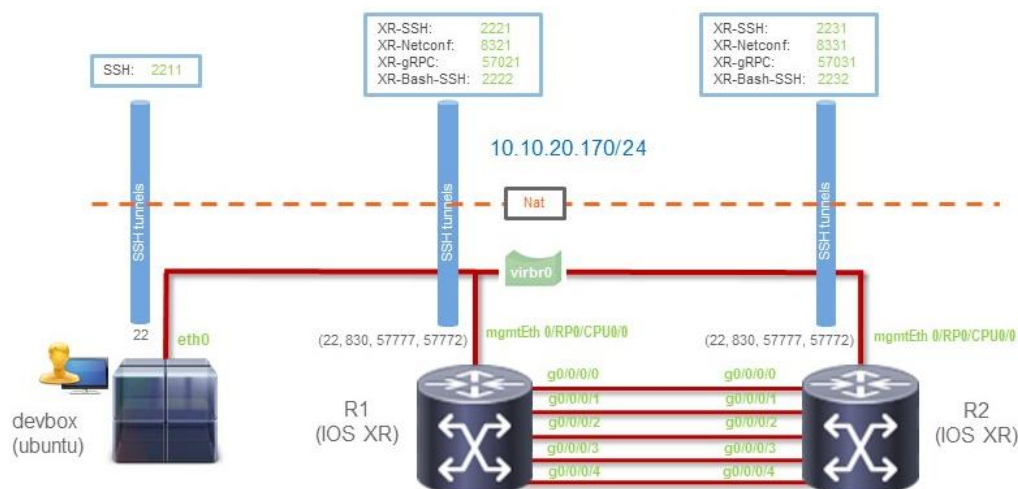
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-105

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20267	EventUser	VHHJ

Lab System Information:

Development Linux System:

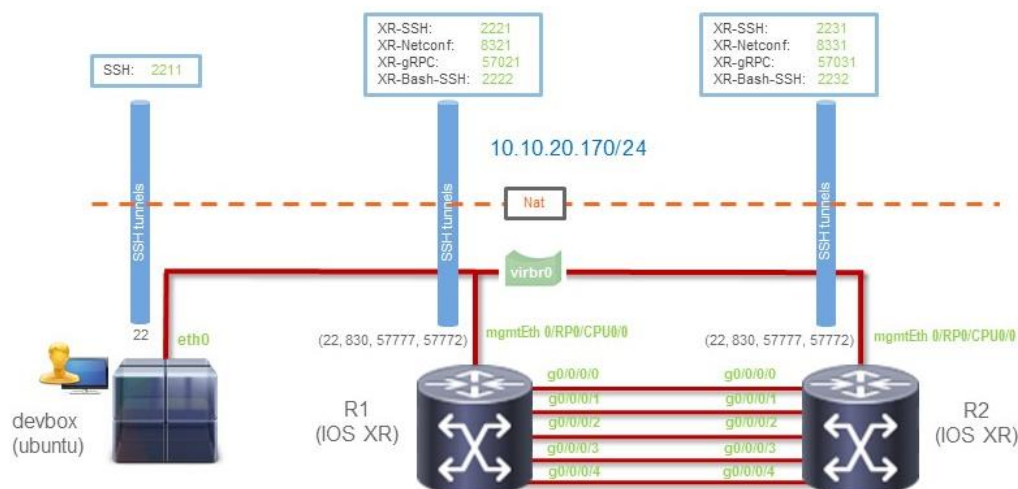
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-106

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20268	EventUser	BKRG

Lab System Information:

Development Linux System:

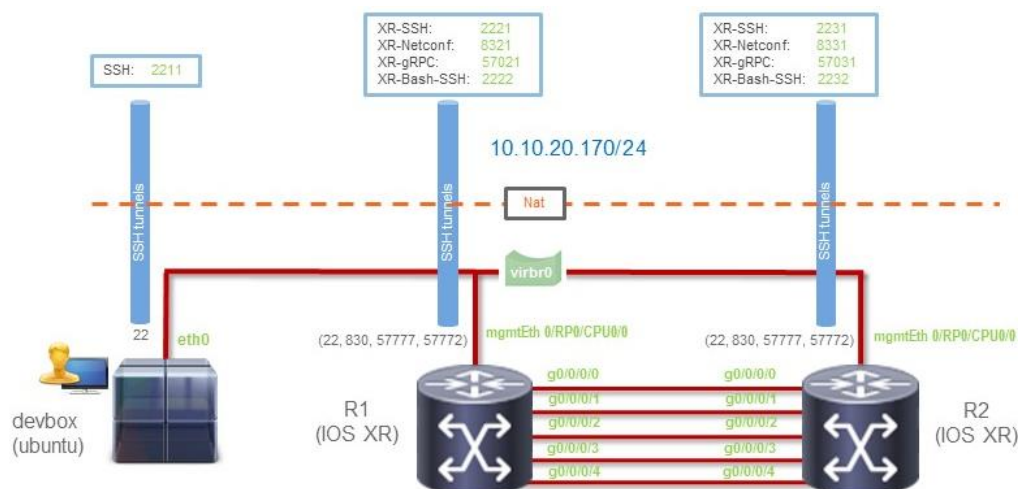
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-107

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20269	EventUser	VUJC

Lab System Information:

Development Linux System:

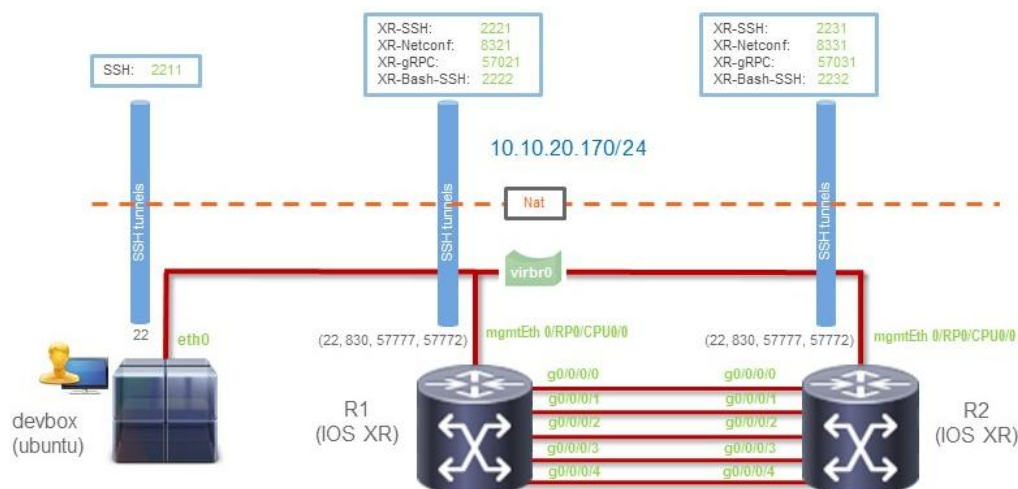
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-108

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20270	EventUser	TGJR

Lab System Information:

Development Linux System:

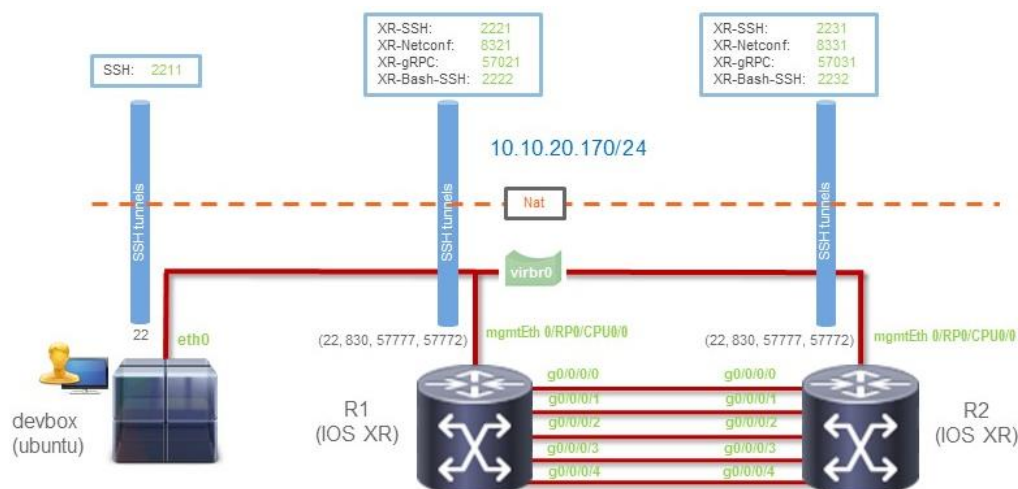
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-109

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20271	EventUser	LMDT

Lab System Information:

Development Linux System:

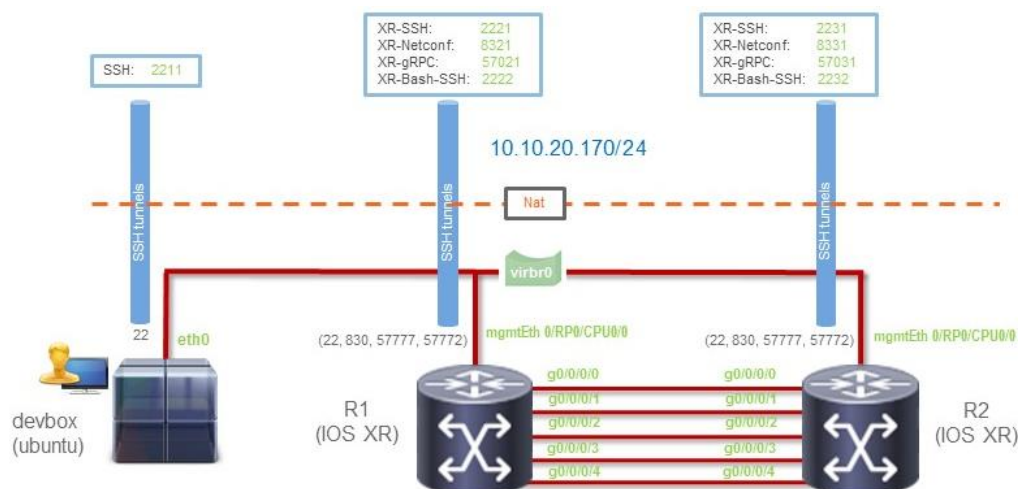
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-110

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20272	EventUser	YJRB

Lab System Information:

Development Linux System:

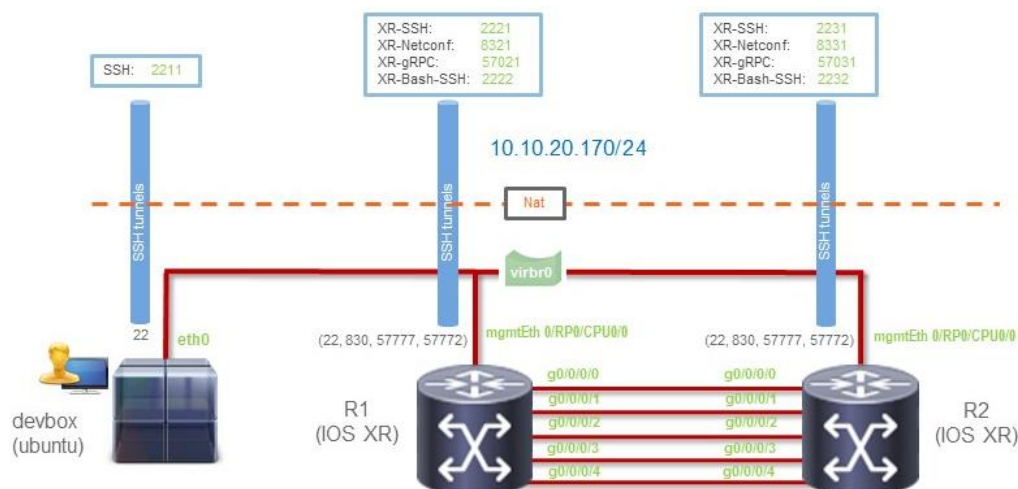
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-111

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20273	EventUser	AGMT

Lab System Information:

Development Linux System:

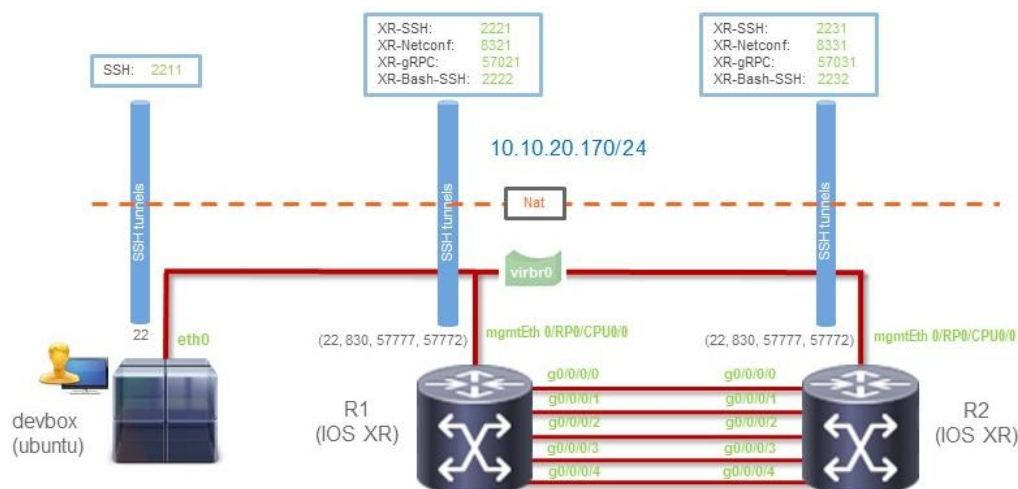
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-112

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20274	EventUser	NQVP

Lab System Information:

Development Linux System:

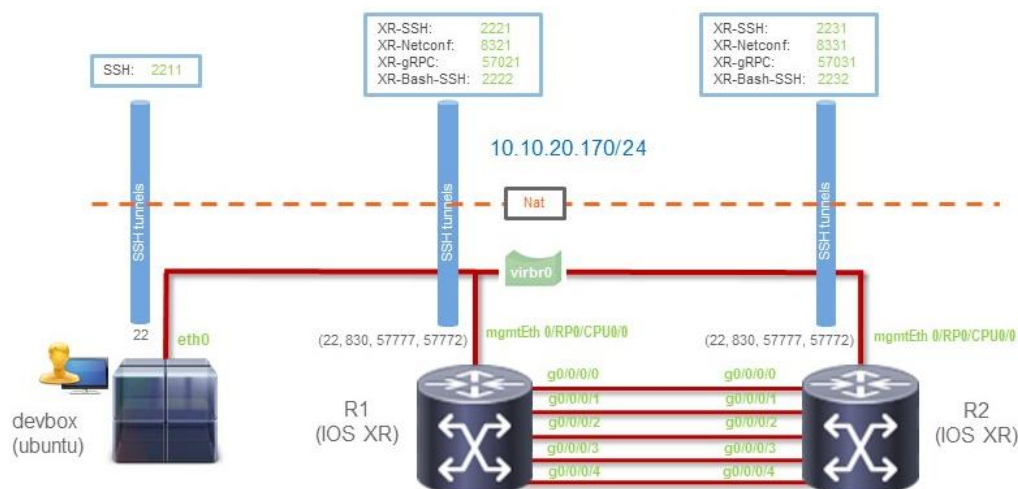
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-113

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20275	EventUser	EVPG

Lab System Information:

Development Linux System:

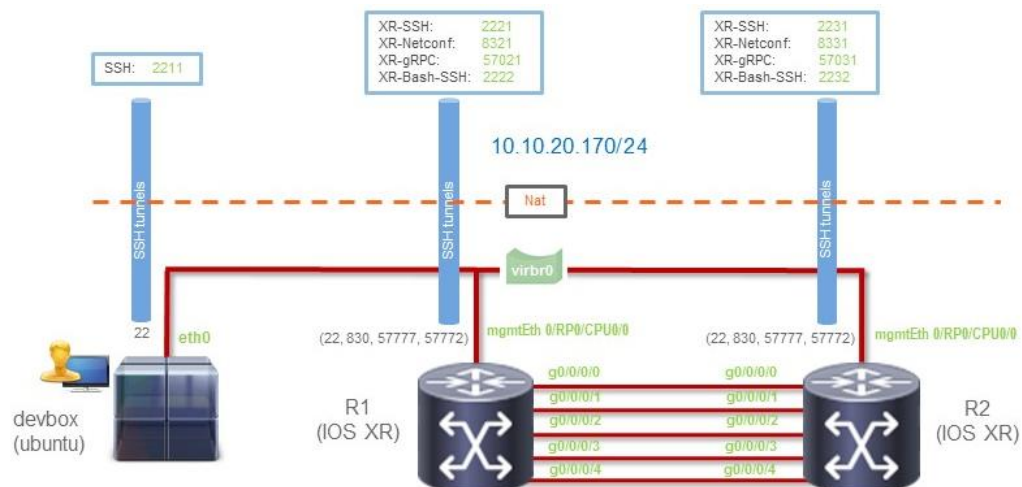
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-114

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20276	EventUser	VNUJ

Lab System Information:

Development Linux System:

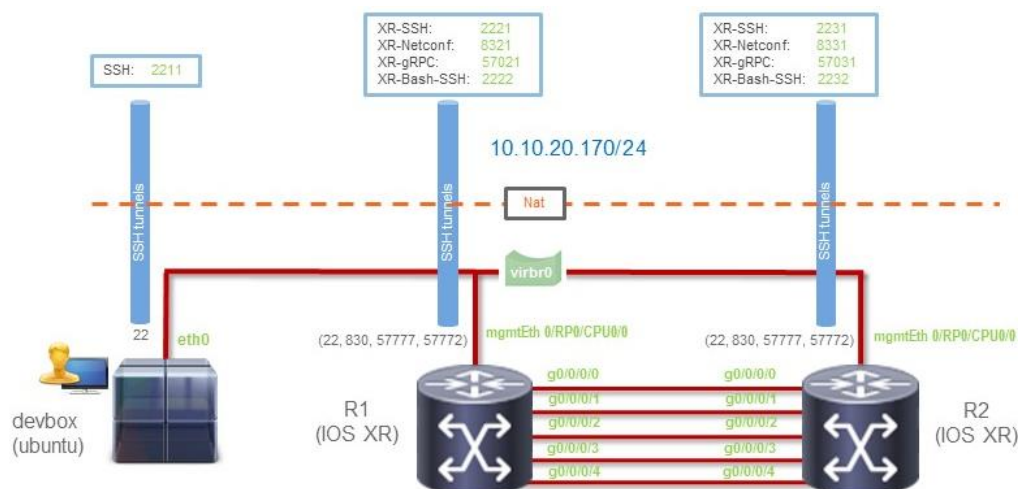
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-115

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20277	EventUser	NRJP

Lab System Information:

Development Linux System:

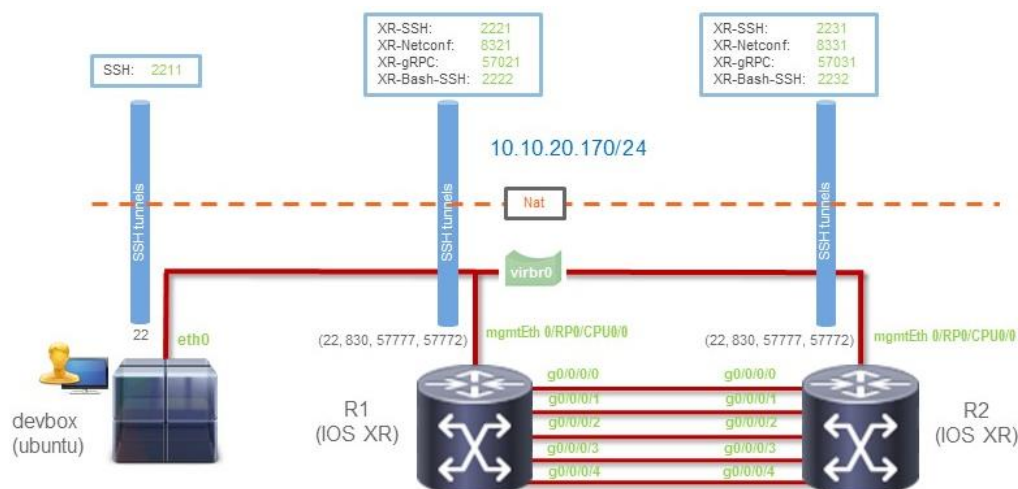
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-116

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20278	EventUser	QFTB

Lab System Information:

Development Linux System:

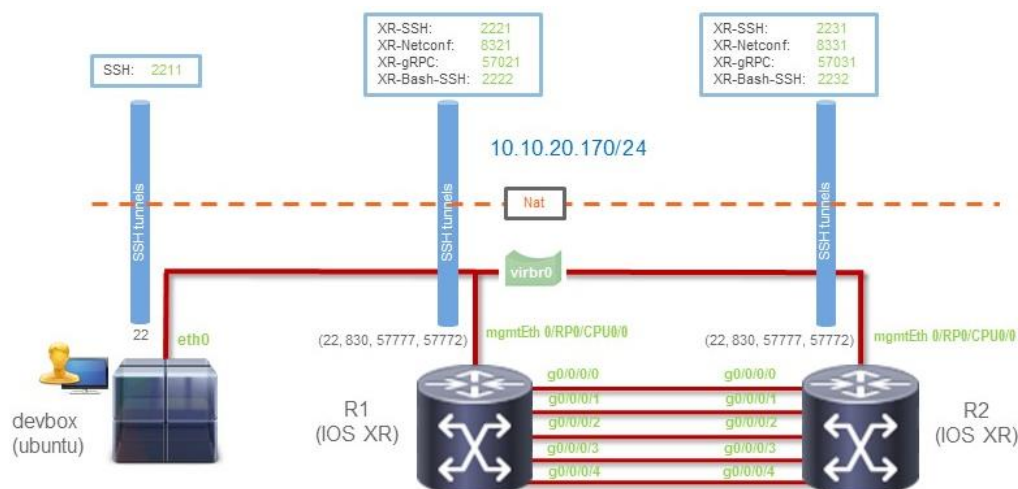
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-117

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20279	EventUser	LVLD

Lab System Information:

Development Linux System:

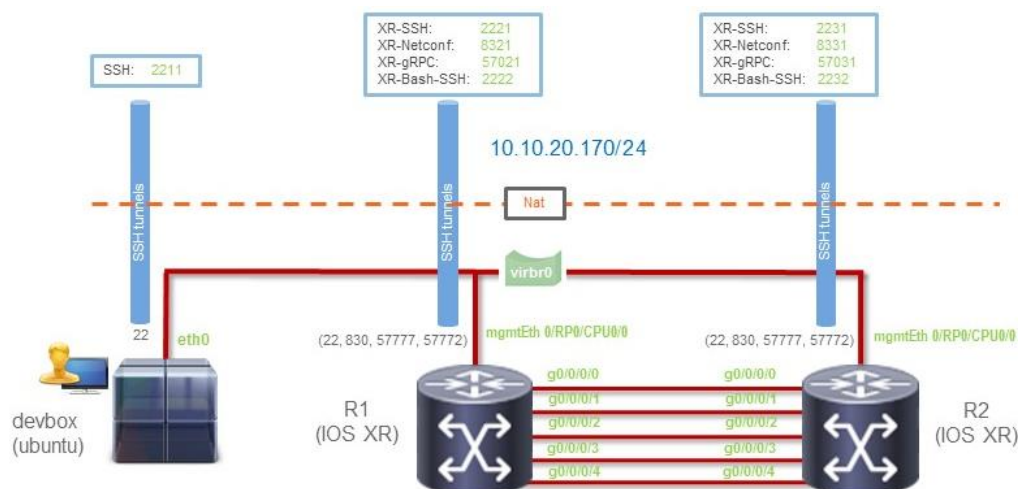
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-118

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20280	EventUser	PDFB

Lab System Information:

Development Linux System:

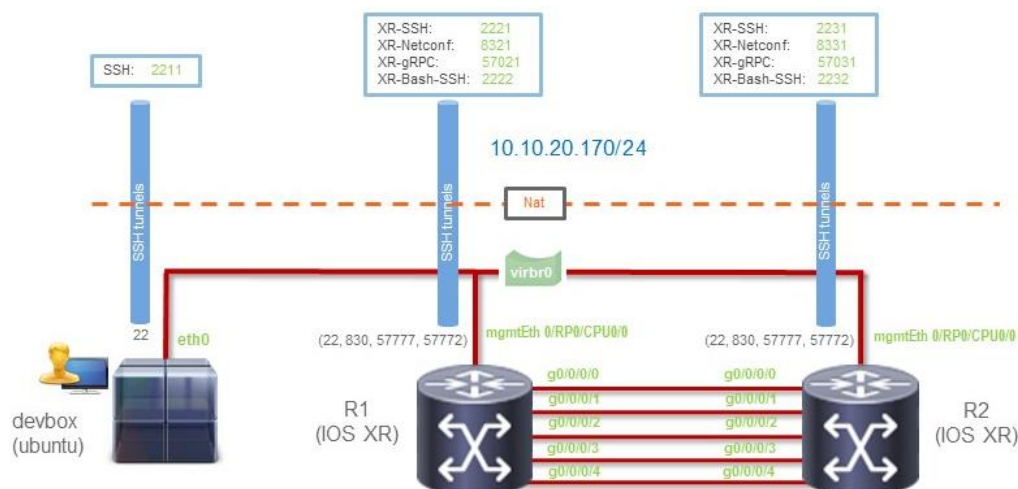
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-119

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20281	EventUser	NDUY

Lab System Information:

Development Linux System:

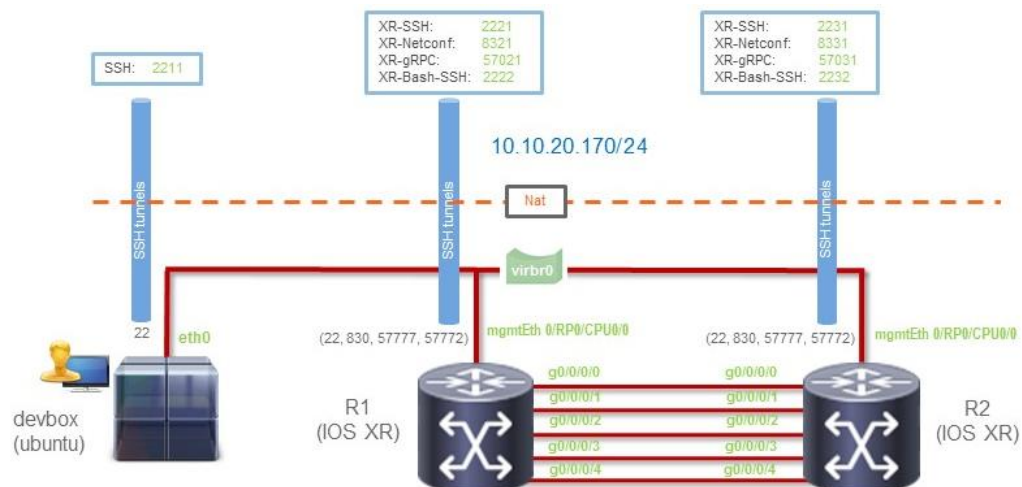
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-120

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20282	EventUser	XEMM

Lab System Information:

Development Linux System:

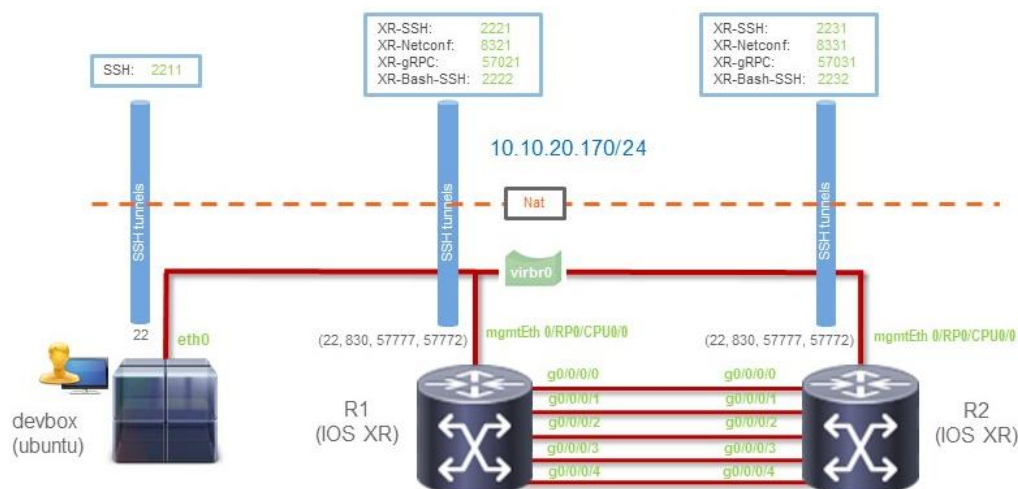
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-121

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20283	EventUser	LLQC

Lab System Information:

Development Linux System:

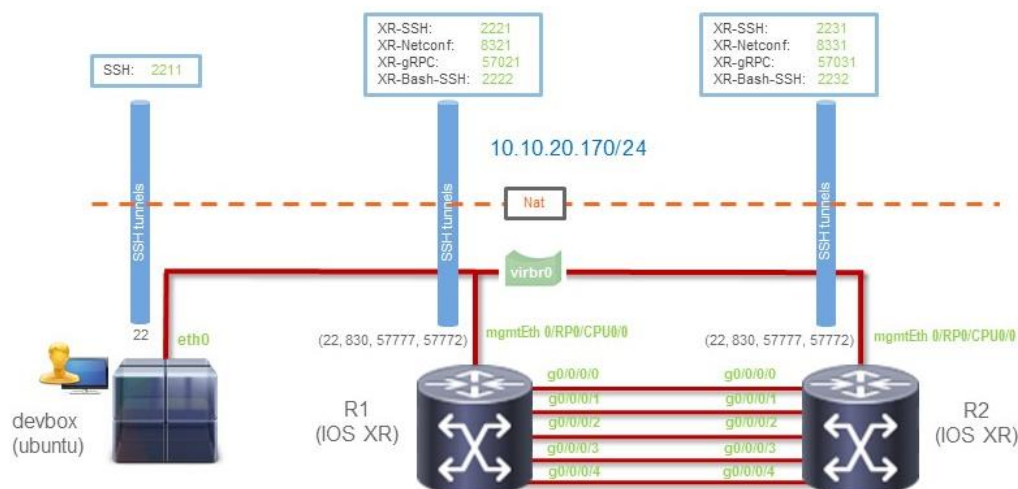
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-122

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20284	EventUser	TRLC

Lab System Information:

Development Linux System:

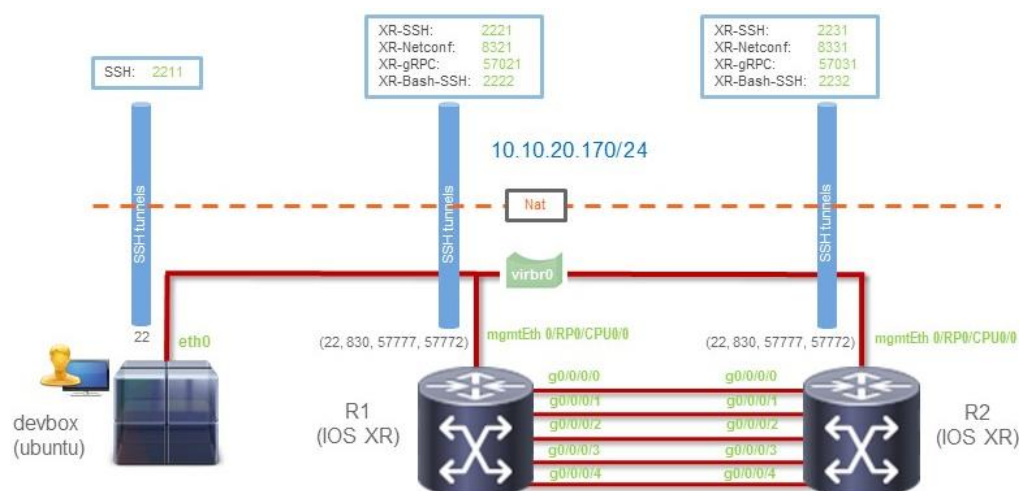
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-123

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20285	EventUser	PLTF

Lab System Information:

Development Linux System:

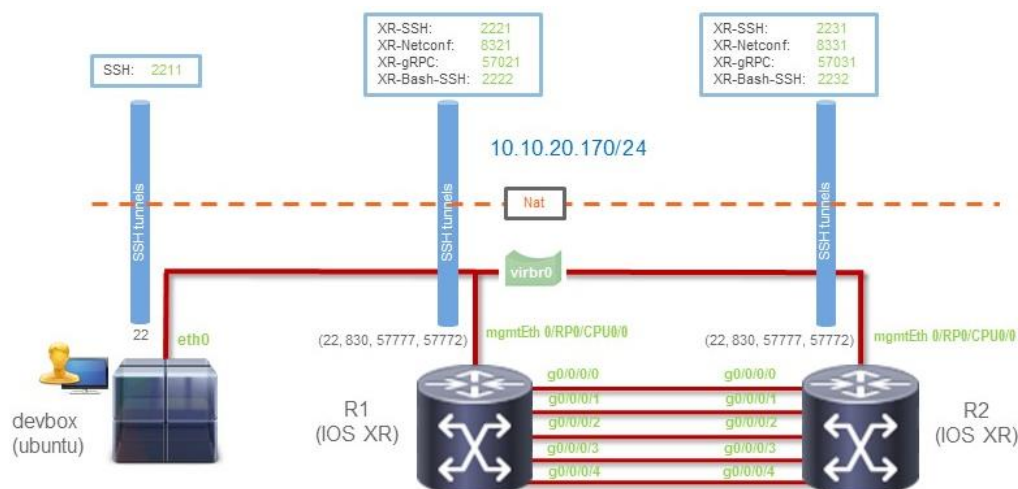
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-124

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20286	EventUser	BUXQ

Lab System Information:

Development Linux System:

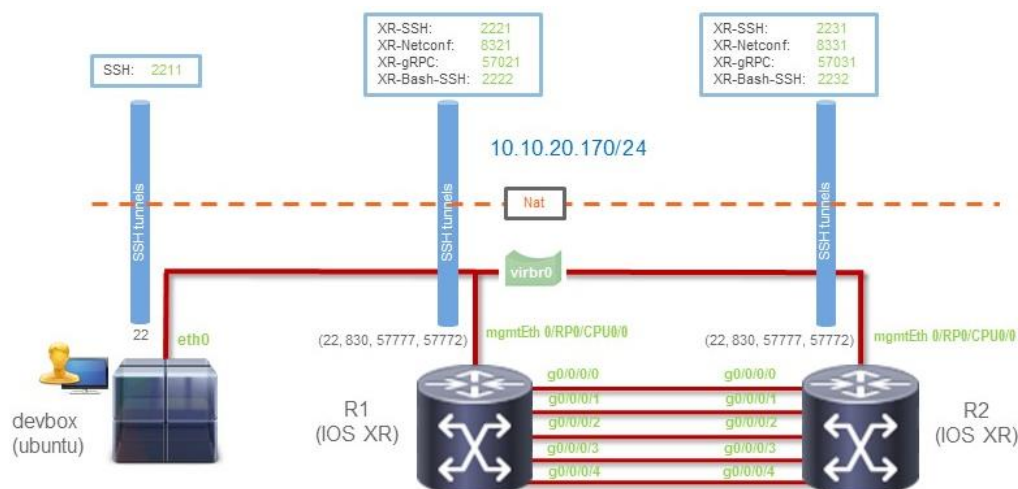
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

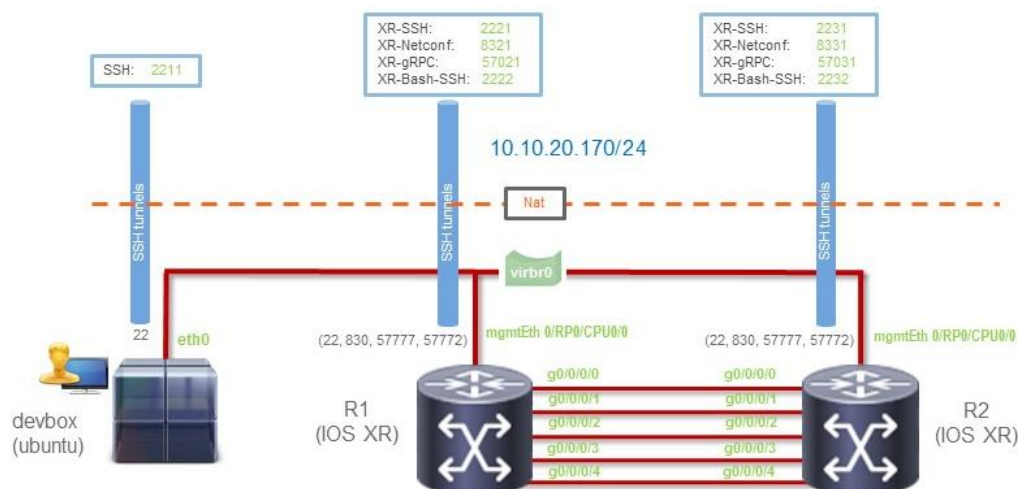
IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232





Workshop Lab Information

Lab: IOS XR Programmability-126

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20288	EventUser	AKMQ

Lab System Information:

Development Linux System:

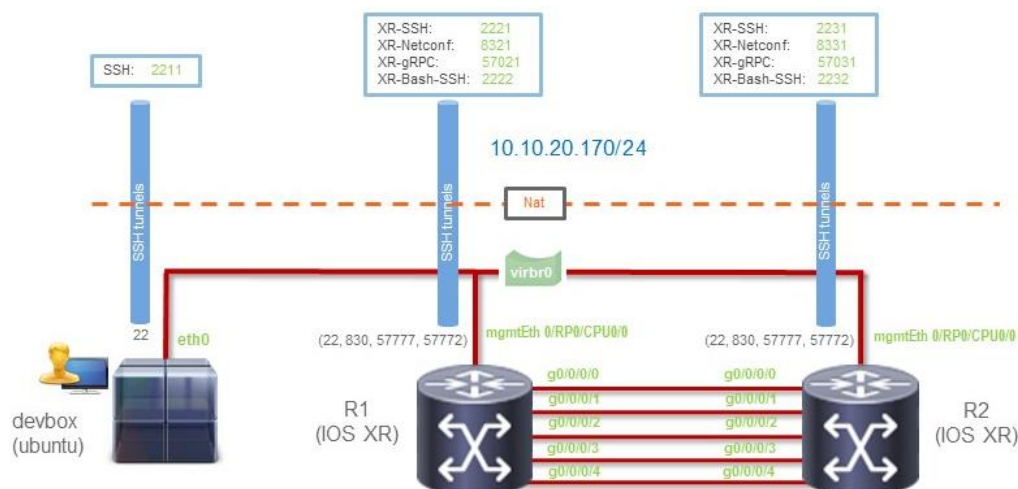
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-127

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20289	EventUser	CNUE

Lab System Information:

Development Linux System:

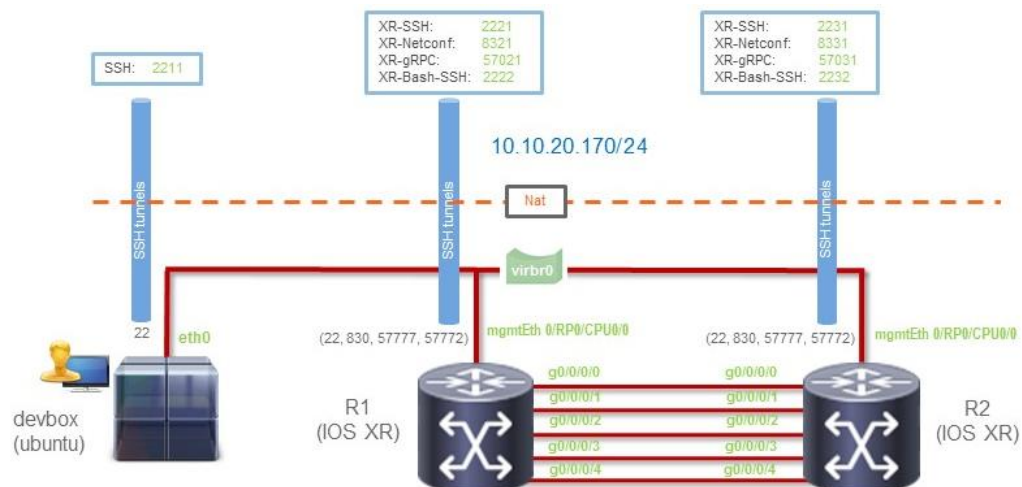
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-128

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20290	EventUser	KZUJ

Lab System Information:

Development Linux System:

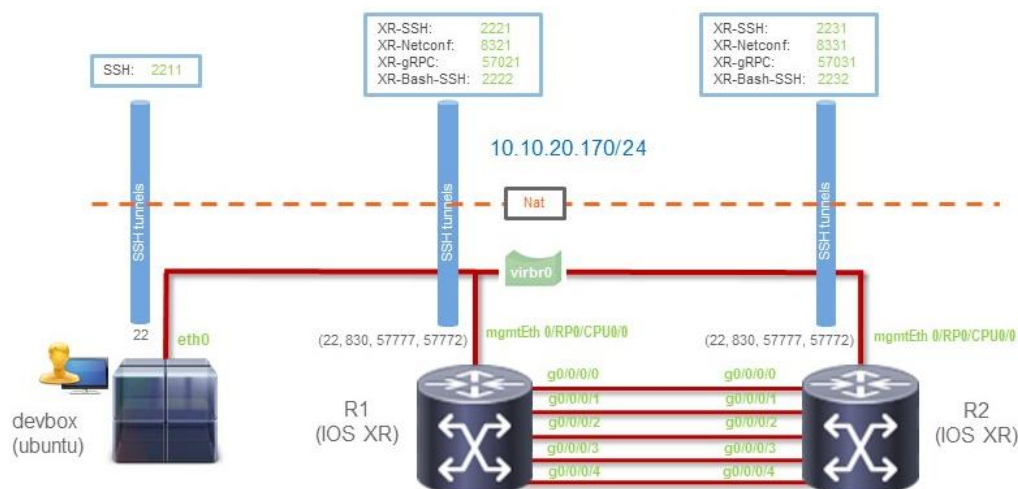
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-129

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20291	EventUser	HJGV

Lab System Information:

Development Linux System:

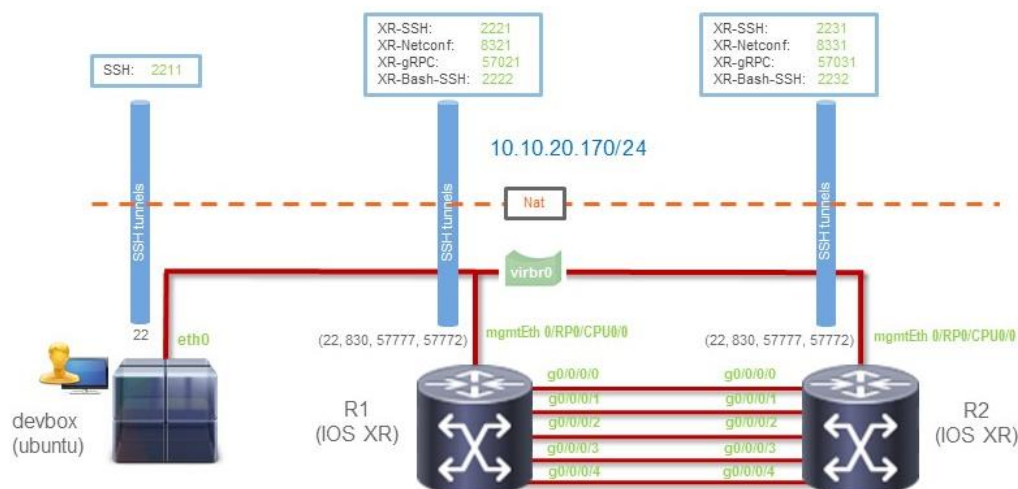
IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232



Workshop Lab Information

Lab: IOS XR Programmability-130

VPN Connection Information:

If you don't have Cisco's AnyConnect VPN Client installed on your system, you can download it here: <https://developer.cisco.com/site/sandbox/anyconnect/>

Use Cisco's AnyConnect VPN Client to connect to your private lab using this information:

VPN Network Address	VPN Username	VPN Password
devnetsandbox-emea-gwy.cisco.com:20292	EventUser	BVTU

Lab System Information:

Development Linux System:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
SSH Port: 2211

IOS-XRv9000 R1:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2221
NETCONF Port: 8321
gRPC Port: 57021
XR-Bash SSH Port: 2222

IOS-XRv9000 R2:

IP Address: 10.10.20.170
Username/Password: [admin/admin]
Management IP: 10.10.20.170
XR SSH Port: 2231
NETCONF Port: 8331
gRPC Port: 57031
XR-Bash SSH Port: 2232

