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# Verify that remote access acl is configured

Configuring VTY access control restricts remote access to only those authorized to manage the device and prevents unauthorized users from accessing the system. Below example helps in validating remote access acl is configured using NetYCE Compliance module.

## Example config

campus01-b02-access01 and campus01-b02-access02 are the two reference devices which we are using for this example. One has vty acl configuration and other does not.

Below command output gives us the information.

**campus01-b02-access01#**

```
line vty 0 4
  privilege level 15
  logging synchronous
  transport input all
!
```

**campus01-b02-access02#**

```
line vty 0 4
  access-class 12 in
  privilege level 15
  logging synchronous
  transport input all
!
```

## How its done

Below are the steps to create new policy. *Operate* → *Compliance* → *Policies* → *New*→

Click on the Node Group to select the relevant group of devices to add:

Add node group to policy

Group tag:

Name	Tag	Scop...
Arista_EOS	Vendor	all
Avaya_ERS	Vendor	all
Avaya_VSP	Vendor	all
BT93812	Client	yce
Building1		all
building1_access		yce
Building2		all

Search

Close

Apply

OK

Rule → New

Create Rule

Name:

ACL on line vty

Rule type:

Configuration

Vendor:

Cisco\_IOS

Severity:

Minor

Description:

☐ Search based on lines

☒ Search based on config blocks

Rule start:

line vty .\*

Rule end:

!!

Close

Apply

OK

Edit condition

Name:

A

Type:

ConfigBlock

☒ Enabled

☐ This is a logical condition

☒ Lines contain regular expressions

☐ Match in exact order

Must contain

access-class 12 in

Must not contain any additional lines containing:

Close

Apply

OK

Report/test results:

Operate → Compliance → Reports → New → Report Name “test” → Report type “Policies” → Policy Name “Sample1 : Verify ACL for remote access” → Show Report

Report

Policies

Policy name	Compliant?	Severity	Last change date
Sample1- Verify ACL for remote access	no	Minor	2021-01-11 13:24:49

1

250

items per page

1 of 1 items

Search

Show report

Compliance checks

Hostname	Policy	Fqdn	Severit...	Compliant...	Last check date	Last change date
campus01-b02-access02	Sample1- Verify ACL for remote access	campus01-b02-access...	-	Compliant	2021-01-11 13:24:49	2021-01-11 13:24:49
campus01-b02-access01	Sample1- Verify ACL for remote access	campus01-b02-access...	Minor	Not compliant	2021-01-11 13:24:49	2021-01-11 13:24:49

This was a simple example to understand how to implement compliance policy to verify vty acl configuration.

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