

Cisco IOS CLI

not related to Apple

→ CLI

- Command line interface
- The interface you use to configure Cisco devices

→ GUI

- Graphical User Interface
- Most Network Engineers prefer to use CLI over GUI

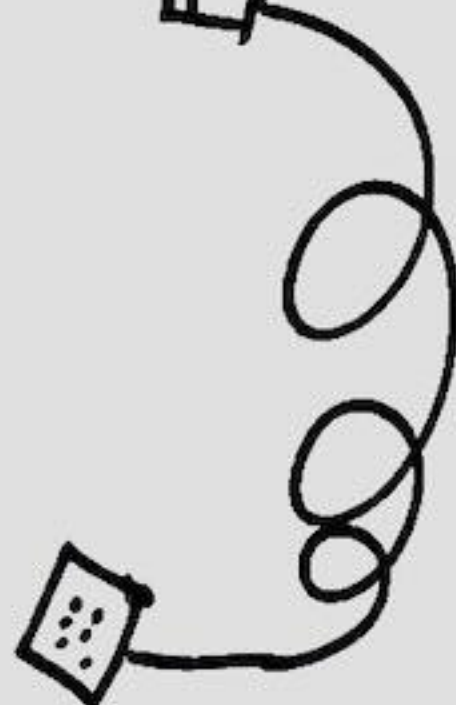
→ Connecting to Cisco CLI:

- You can connect with (Console) port or Remotely → later



→ RJ45

RJ45 (Cisco)



DB-9 connector - (computer)

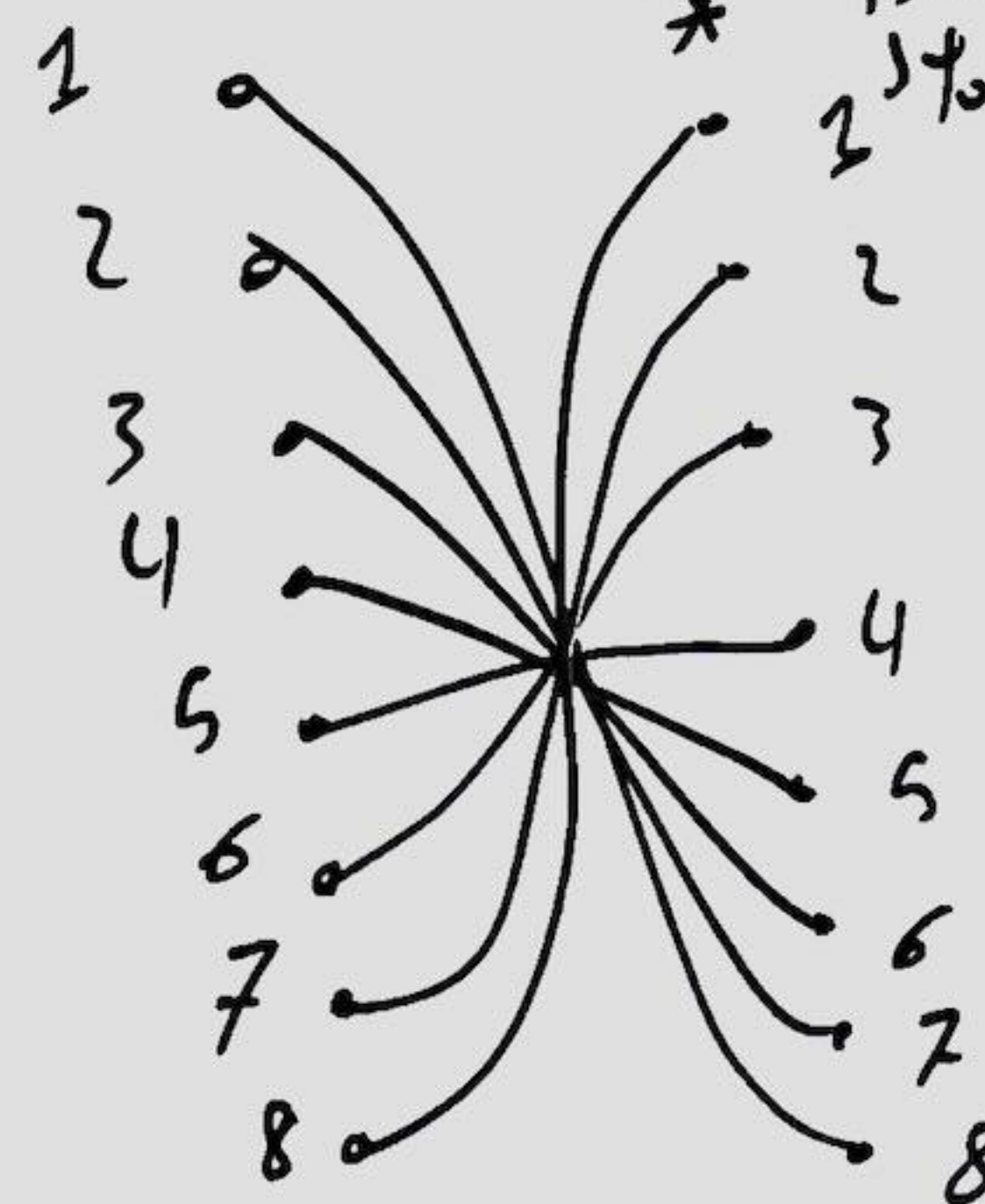
→ you will need an adapter

Terminal Emulator (PuTTY)

Select Serial
Click Open

The default settings for serial

- * Speed 9600
- * Data bits 8
- * Stop bits 1
- * Parity None
- * Flow Control None



1 → 8 5 → 4
2 → 7 6 → 3
3 → 6 7 → 2
4 → 5 8 → 1

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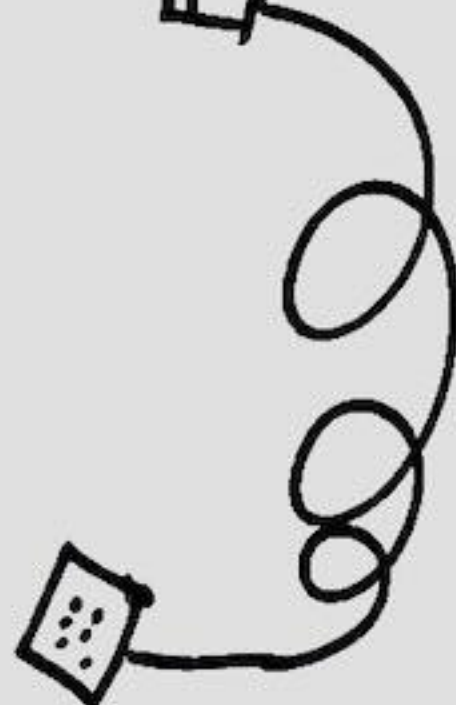
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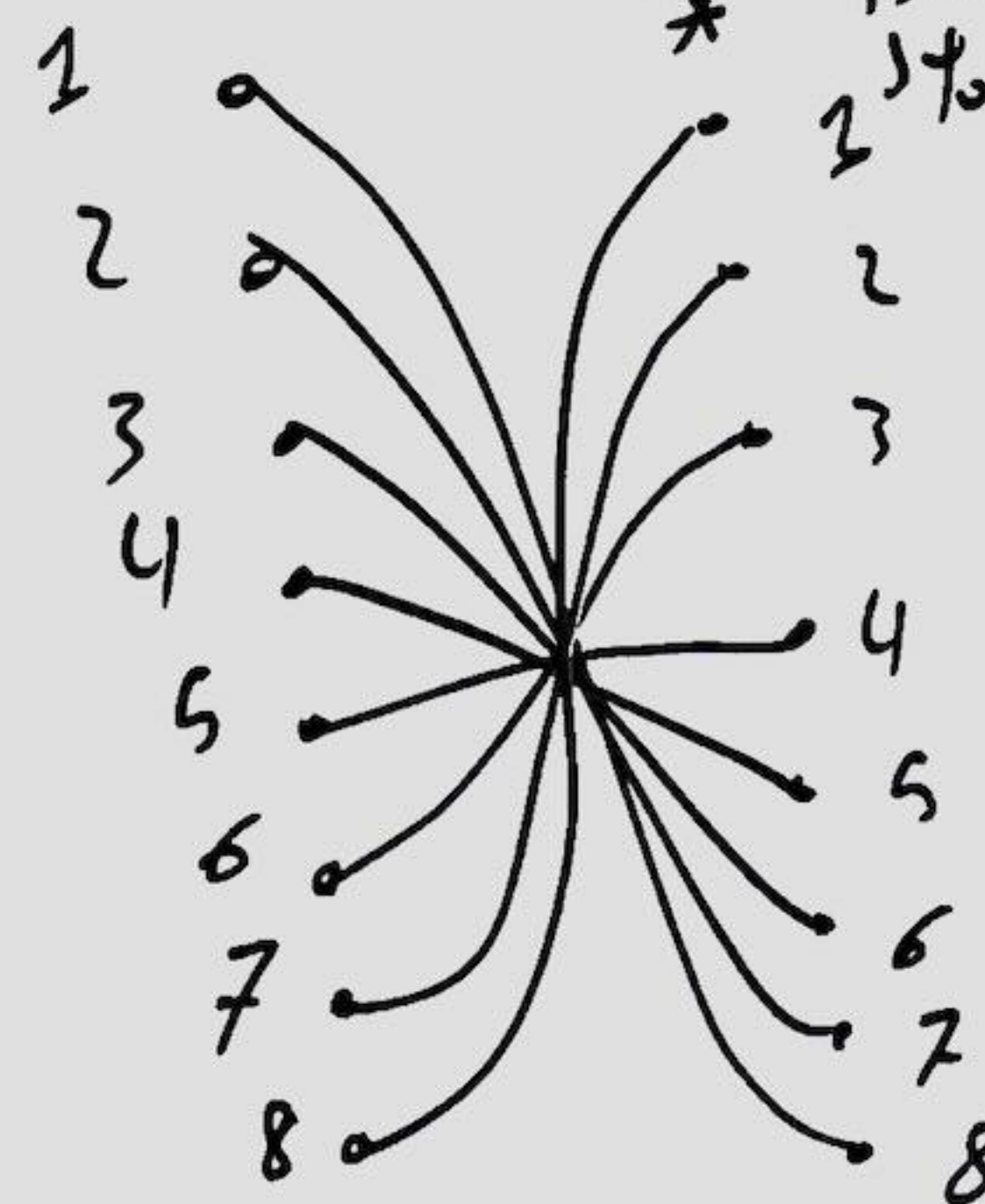
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Router# Configure terminal

Router(config)#

↳ global configuration mode

the shortest form of this command:

Router # (conf)
 ↳ terminal
 (configure)

con?
 ↳ connect
 (configure)

t?
 ↳ terminal

To Protect Privileged mode

(config)# enable Password EAZY

Case-sensitive ↳ Your Password

> en

Password: ↳

Password is not displayed

Configuration Files

Running-config

- The active configuration
- as you enter commands in CLI, you edit it

Startup-config

- Config file will be loaded upon restart of the device

show running-config

↳ enable Password EAZY

The Password
 is not encrypted

show startup-config

↳ Startup config is not present ⇒ we haven't saved the running config

→ To Save Running-Configuration
to Startup-Configuration

• # write

• # write memory

• # copy running-config startup-config

→ Encrypt Password

(config)# service password-encryption

show running-config

enable Password 7 080P...

type of encryption

encrypted Password

it is not secure enough

→ could be cracked

(config)# enable secret cisco

→ more secure method

→ always encrypted

→ more priority

→ if there is secret &

~~password~~ Not used

You can only log in with secret

(config)# do sh run

to execute
(command)
as privileged
exec mode

↓ ↓
show running-config

enable secret 5

535

md5
encryption method

→ cancel a command => type no

(config)# no service password-encryption