



الغلادة أكاديمي



الغلادة القابضة



سيسكو في 6 ساعات

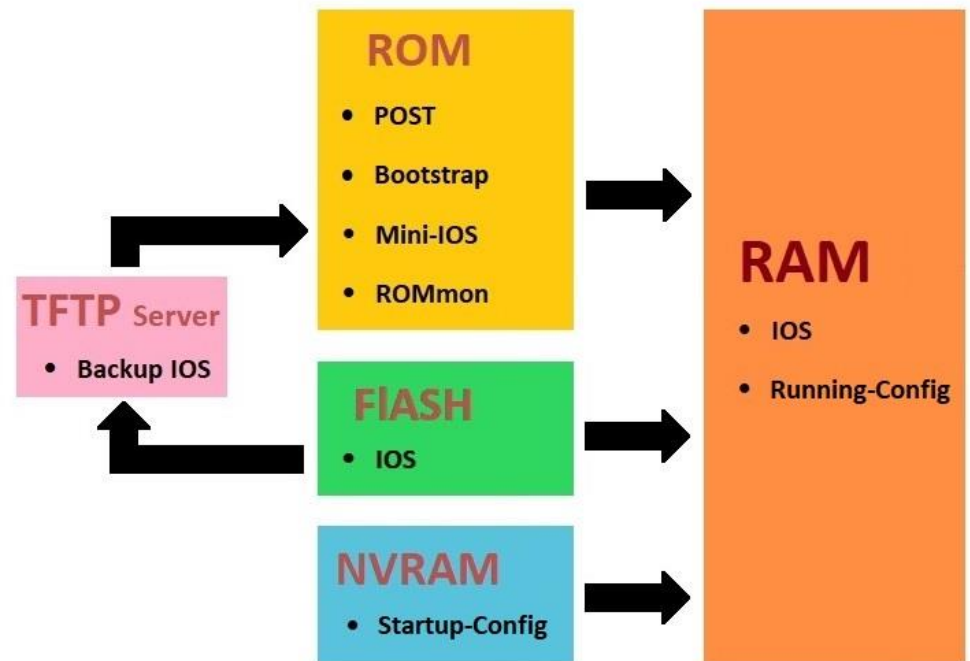
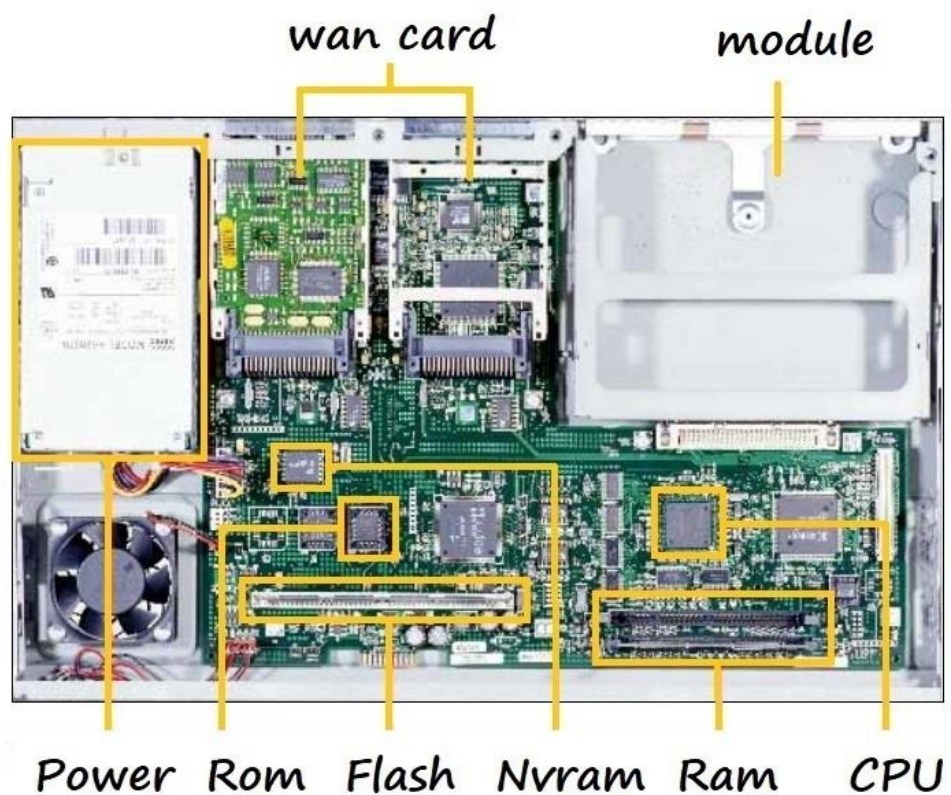


الكورس

يختصر أكثر من مائة ساعة
يركز على احتياجات المهندسين
في سوق العمل

© 2020
All Rights Reserved
Second Edition
حقوق النشر والترجمة محفوظة

- Boot Sequence



- Boot Sequence

```

System Bootstrap, Version 12.3(8r)T8, RELEASE SOFTWARE (fc1)
Cisco 1841 (revision 5.0) with 114688K/16384K bytes of memory.

Self decompressing the image :
#####
#####
#####[OK]

Cisco IOS Software, 1841
RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2007 by Cisco Systems, Inc.

Cisco 1841 with 114688K/16384K bytes of memory.
Processor board ID FTX0947218E
M860 processor: part number 0, mask 49
2 FastEthernet/IEEE 802.3 interface(s)
191K bytes of NVRAM.
63488K bytes of ATA CompactFlash (Read/Write)

--- System Configuration Dialog ---
Continue with configuration dialog? [yes/no]:
    
```

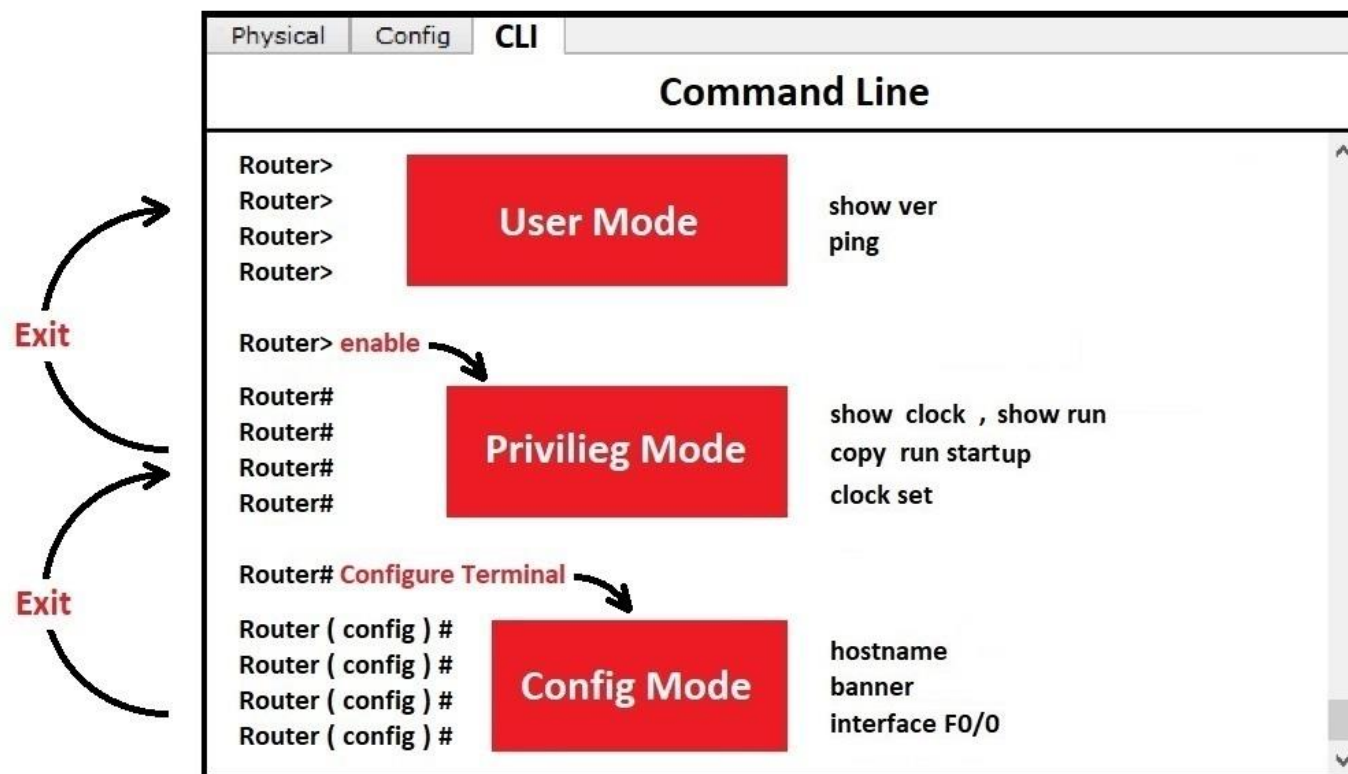
ROM

FLASH

NVRAM



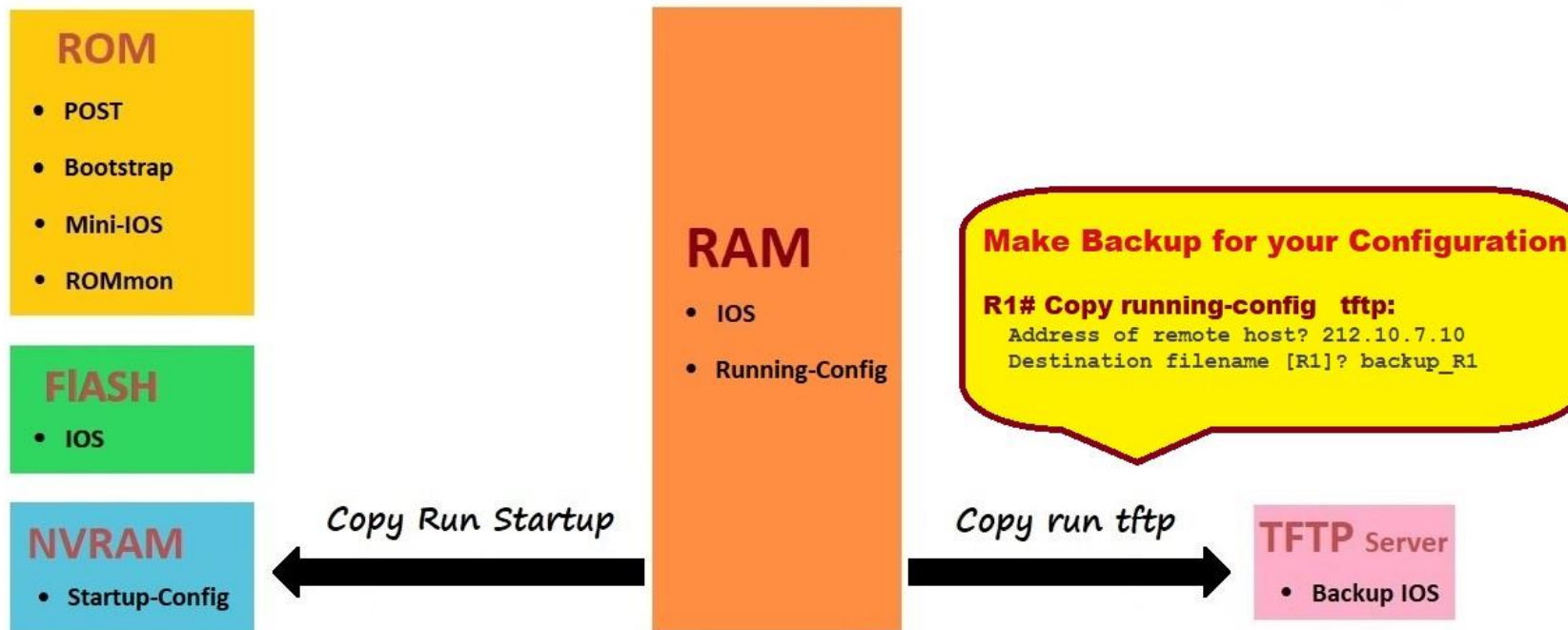
- Command Line



- Command Line

Physical	Config	CLI
Command Line		
		<pre> Router> show version Cisco Internetwork Operating System Software IOS(tm)2500 Software (C2500-I-L),Version 12.0(17a),RELEASE SOFTWARE (fc1) Copyright (c)1986-2002 by cisco Systems,Inc. Compiled Mon 11-Feb-02 05:55 by kellythw image text-base:0x00001000 ROM:system Bootstrap,Version 11.0(10c),SOFTWARE BOOTFLASH :3000 Bootstrap Software (IGS-BOOT-R),Version 11.0(10c),RELEASE SOFTWARE (fc1) System image file is "flash:c2500-i-l.120-17a.bin" cisco 2500 (68030 processor(revision N) 62048K/2048K bytes processor bord ID 08860060,with hardware revision 00000000 Bridging software. 1 Ethernet/IEEE 802.3 interface(s) 2 Serial network interface(s) 32K bytes of non-volatile Configuration memory. 8192K bytes of processor board system flash (Read ONLY) Configuration register is 0x2102 Router> </pre>
Cisco IOS version	←	IOS(tm)2500 Software (C2500-I-L),Version 12.0(17a),RELEASE SOFTWARE (fc1)
bootstrap	←	ROM:system Bootstrap,Version 11.0(10c),SOFTWARE
IOS image	←	System image file is "flash:c2500-i-l.120-17a.bin"
CPU and RAM	←	cisco 2500 (68030 processor(revision N) 62048K/2048K bytes
type of interfaces	←	1 Ethernet/IEEE 802.3 interface(s) 2 Serial network interface(s)
Amount of NVRAM	←	32K bytes of non-volatile Configuration memory.
Amount of Flash	←	8192K bytes of processor board system flash (Read ONLY)
Config. register	←	Configuration register is 0x2102

- Command Line



- Command Line

ROM

- POST
- Bootstrap
- Mini-IOS
- ROMmon

FLASH

- IOS

NVRAM

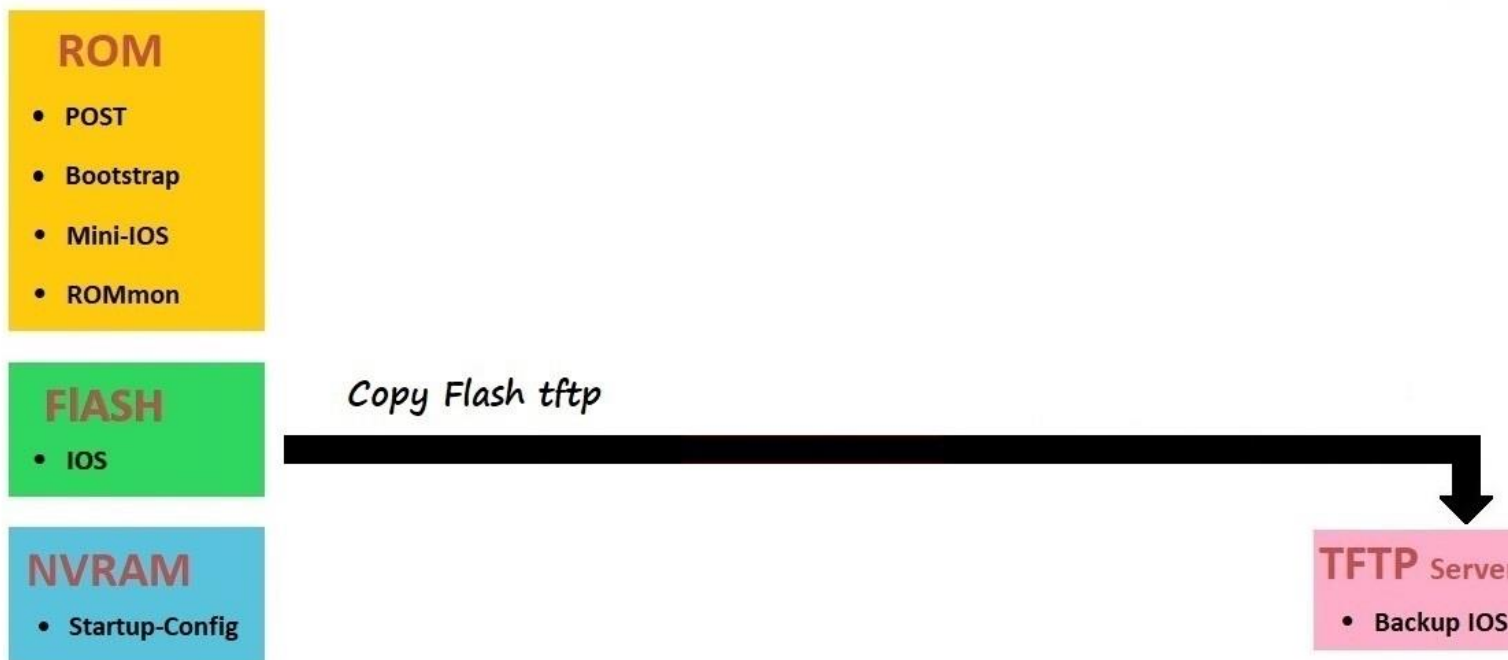
- Startup-Config

erase Startup-config (# write erase)
reload

TFTP Server

- Backup IOS

- Command Line



- Command Line

ROM

- POST
- Bootstrap
- Mini-IOS
- ROMmon

FIASH

- IOS

NVRAM

- Startup-Config

```
R1# show version
Cisco IOS Software, 2800 (c2800nm-advipservicesk9-mz-124.bin),
Version 12.4(12), RELEASE SOFTWARE (fc1)
Technical Support: http://www.cisco.com/techsupport

R1# show flash
System flash directory:
File Length Name/status
 3 50938004 c2800nm-advipservicesk9-mz-124.bin
 2 28282 sigdef-category.xml
 1 227537 sigdef-default.xml
 [ 51193823 bytes used , 12822561 available , 640165384 total ]

R1# erase flash
Erasing the flash filesystem will remove all files! Continue? [confirm] Y
Erasing device... eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
```

Copy tftp Flash



```
R1# Copy tftp flash
Address or name of remote host [ 192.168.1.2 ] ?
Source filename [ c2800nm-advipservicesk9-mz-154.bin ] ?
Destination filename [ c2800nm-advipservicesk9-mz-154.bin ] ?
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
[OK ]
```

TFTP Server

- Backup IOS

192.168.1.2
c2800nm-advipservicesk9-mz-154.bin

- Command Line

```
Physical Config CLI Command Line
Router>
Router> enable
Router# clock set 10:16:36 25 Jan 2018
Router# configure terminal
Router(config)# hostname R1
R1(config)# banner motd - Welcome -
R1(config)# exit
R1# copy running-config startup-config
```