



Dynamips Server – Cisco Router仿真模擬器

要認識 Cisco 技術的同學,如果沒有足夠金錢去購買 Cisco 的 Router 網絡設備,多數 會使用 Router Simulator 這類型軟件。可是 Router Simulator 只能針對 Simple Lab 內 的實習,然後一條一條指令的輸進去,彈性非常有限,很多 IOS Command 也無法支援。 如果你想學習更多的指令,你可以跟隨以下的方法去使用 Dynamips Server 配合真實的 IOS 安裝入電腦中的實驗環境,所有 IOS Command 均可使用,是Router Simulator 以 外的另一個好選擇。

== 步驟 ==

1. Double Click桌面上 "Dynamips Server" 的捷徑 (注意:該視窗開啓後不可關閉 !!!)



2. 在"lab" 資料夾內打開配置檔案



3-Routerinet 3-Router.net (模擬3個Cisco 7200 Router的實驗環境) 或









5-Routernet 5-Router.net (模擬5個Cisco 7200 Router的實驗環境)



3. 等待約三十秒,讓另一邊的Dynamips Server 啓動每個Router 的模擬程序

📾 Dynamips Server	
Cisco Router Simulation Platform (version 0.2.7-RC3-x86) Commight (c) 2005-2002 Christophe Fillet	-
Build date: Apr 28 2007 13:15:04	
ILT: loaded table "mips64j" from cache.	
ILI: loaded table "mipsb4e" from cache. ILI: loaded table "mnc32i" from cache	
ILT: loaded table "ppc32e" from cache.	
Hypervisor TCP control server started (port 7200).	
CPU0: carved JIT exec zone of 16 Mb into 512 pages of 32 Kb.	
C7200 instance 'R1' (id 0):	
VM Status : 0	
RAM size : 96 Mb	
IOMEM size : 0 Mb	
NVRHI SIZE - 512 KD NPE model : pye-400	
Midulane : uyp	
IOS image : \PROGRA~1\Dynamips\images\c7200.bin	
Loading ELF file '\PROGRA~1\Dynamips\images\c7200.bin'	
ELF entry point: 0x80008000	
G7200 'R1': starting simulation (GPU0 PC=0xfffffffffffff000000), JIT enabled.	
CPU0: carved JIT exec zone of 16 Mb into 512 pages of 32 Kb.	
C7200 instance 'R2' (id 1):	
VM Status : 0	
RAM size : 96 Mb	
IOMEM size : 0 Mb	
NURAM size : 512 Kb	
Midulana : uvu	
The image : \PROGRA [®] 1\Dunamins\images\c7200 hin	
Loading FLE file '\PRACRA'1\Dunamins\images\c7200 hin'	
ELF entry maint: 0x80008000	
C7200 'R2': starting simulation (CPU0 PC=0xfffffffffffffffofc00000), JIT enabled.	
CPUQ: cawwad JUT ever zone of 16 Mb into 512 pages of 32 Kb	
C7200 instance 'R3' (id 2):	
VM Status : 0	
RAM size : 96 Mb	
IOMEM size : 0 Mb	
NURAM size : 512 Kb	
NPE model : npe-400	
Midplane : vxr	
105 image : \PKUGKH'I \Dynamips \images \c7200.bin	
Loading ELF file 'YROGRH'I Wynamips images c7200.bin' ELF entwy point: 0x80008000	
C7200 'R3': starting simulation (CPU0 PC=0xfffffffffffffff000000), JIT enabled.	* I



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5. 此時 Telnet 視窗會彈出,然後輸入"c7200", 便可連接 Router 1 進入設定模式



6. 如須連接 Router 2 可返回 Dynagen Management Console輸入 => telnet R2







7. 另一 Telnet 視窗彈出後輸入 "c7200",此時進入 Router 2 的設定模式

Telnet localhost _ 0 × Connected to Dynamips VM "R2" (ID 1, type c7200) - Console port ٠ c7200z Please answer 'yes' or 'no'. Would you like to enter the initial configuration dialog? [yes/no]: no Press RETURN to get started! Copyright (c) 1986-2005 by cisco Systems, Inc. Compiled Thu 10-Nov-05 00:35 by evmiller *May 1 17:08:09.279: xLINK-5-CHANGED: Interface FastEthernet0/0, changed state to administratively down ×May 1 17:08:09.283: %LINK-5-CHANGED: Interface Serial1/0, changed state to adm inistratively down ×May 1 17:08:09.311: %LINK-5-CHANGED: Interface Serial1∕1, changed state to adm inistratively down ×May 1 17:08:09.339: %LINK-5-CHANGED: Interface Serial1/2, changed state to adm inistratively down *May 1 17:08:09.359: %LINK-5-CHANGED: Interface Serial1/3, changed state to adm inistratively down ×May 1 17:08:10.279: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern et0/0, changed state to down *May 1 17:08:10.283: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/0, changed state to down May 1 17:08:10.311: %LINEPROTO-5-UPDOWN: Line protocol on Interface Serial1/1, changed state to down Router> Router> Router>