

Packet Tracer Cheat Sheet

by carter.fendley via cheatography.com/25327/cs/9802/

Notes

How to use this cheat sheet

In order to use the commands you *MUST* be in the mode that that command is listed under. The sections are listed in order progression. "User EXEC Mode" is the default mode and thus has no command to enter it.

Example: In order to use the hostname command I must be in "-Global Config Mode" so I look one section before to look up the command to enter "Global Config Mode". I then see that in order to use the configure terminal command I must be in "Privileged EXEC Mode" and to enter "Privileged EXEC Mode" I must use the command enable in "User EXEC Mode". This would give this string of commands: enable > configure terminal > hostname <ho stn ame>

When in doubt google

If you are asked to do something that is not on this cheat sheet google it. For example if you are asked to deny all incoming information from a IP google "How to deny incoming IP cisco packet tracer"

Command conventions

When you see a command like <code>ip</code> <code>address</code> <code><ip></code> <code><su</code> <code>bne</code> <code>t></code>, the <code><ip></code> and <code><su</code> <code>bne</code> <code>t></code> part mean that in order to use this command you need to substitute information into those places. <code>Example:</code> If I wanted to set the IP to 192.16 <code>8.1.1</code> with a subnet mask of 255.25 <code>5.255.0</code> I would fully replace both the <code><ip></code> and <code><su</code> <code>bne</code> <code>t></code> sections with that information. I would end up with a command that looks like: <code>ip</code> <code>address</code> <code>192.16</code> <code>8.1.1</code> <code>255.25</code> <code>5.255.0</code>

Desktops

Overview

Desktops do not have a router or switch like CLI. In order to configure settings on desktops you must click on them and then navigate to the "Desktop" tab. Here you can use the different apps to preform different operations. See below for specific operations help. Setting an IP

Desktops (cont)

Click on the "Configure IP" desktop app. Here you can input IPv4 and IPv6 addresses as well as other networking information. When you are done you can simply exit out and it will be saved.

Navigating to a web page

Use the "Web Browser" app as you would a normal web brouser **Pinging IPs**

Use the "Command Prompt" app and use the command ping < ip > in order to see if a host is up.

How to tell what mode you are in					
User EXEC Mode	Router>				
Privileged EXEC Mode	Router#				
Global Config Mode	Router (config)#				
Iterface Config Mode	Router (confi g-if)#				
Line Config Mode	Router (confi g-l ine)#				

Universal Commands	
Exit the current mode	exit

User EXEC Mode Commands	
Enter Privileged EXEC Mode	enable

Privileged EXEC Mode					
Enter Global Config Mode	configure terminal				
Save current config	copy runnin g-c onfig startu p-c o nfig				
Save current config	write memory				
Show running config	show runnin g-c onfig				
List all interfaces	show ip interface brief				



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Privileged E	XEC Mode (cont)		Global Config Mode (cont)	
List all show	face information v parameters	show interface show ?	Set max aaa loca fails il> AAA	al authen tic ation maxfail <ma td="" xfa<=""></ma>	
Global Conf	ag parameters ig Mode	debug ?	AAA Auth Methods enable - uses enable		
Enter Interface Config Mode Enable IPv6 Set Defualt	<pre>interface <in ateway<="" defaul="" fa="" ip="" ipv6="" out;="" pre="" t-g="" t-r="" ter="" unicas=""></in></pre>	.ng	line - uses line pass local - uses local us local - case - uses local - case - uses local - case - uses local - cache - group nam group radius - use	word sername database ocal username database (case-sensitive)	
Gateway Set Hostname	hostname <ho ame<="" stn="" td=""><td>>></td><td>Interface Config Mode</td><td></td></ho>	>>	Interface Config Mode		
Enter Line Config Mode	line <li ne=""> <st art<="" td=""><td>t por t> <en dpo="" rt="">(lines</en></td><td>Set Static IPv4 console, vty) Set Static IPv6 Set IPv6 Link Local</td><td><pre>ip address <ip> <su bne="" t=""> ipv6 address <ip v6=""> ipv6 address <ip v6=""> link-local</ip></ip></su></ip></pre></td></st>	t por t> <en dpo="" rt="">(lines</en>	Set Static IPv4 console, vty) Set Static IPv6 Set IPv6 Link Local	<pre>ip address <ip> <su bne="" t=""> ipv6 address <ip v6=""> ipv6 address <ip v6=""> link-local</ip></ip></su></ip></pre>	
Enable Secret Password	enable secret <pa ord="" ssw=""></pa>		Set duplex to auto duplex auto NOTE: When exiting Interface Config Mode you must issue the		
MOTD	banner motd # <m otd<="" td=""><td>>#</td><td colspan="3">command no shutdown before exit if you wish for the interface to remain up.</td></m>	>#	command no shutdown before exit if you wish for the interface to remain up.		
Enable Password Encryption	service passwo rd- 6	enc ryption	Line Config Mode Set password (user	password <pa ord="" ssw=""></pa>	
Add new user	username <us ame<="" ern="" td=""><td>e> secret <pa ord="" ssw=""></pa></td><td>EXEC) Enable password</td><td>login</td></us>	e> secret <pa ord="" ssw=""></pa>	EXEC) Enable password	login	
Enable AAA	aaa new-model		checking at login Enable defualt AAA	login authen tic ation default	
Populate defualt AAA method list	aaa authen tic ation dN> (see methods below)	n login defualt <me o<="" td="" tho=""><td>d> listne tho d1> <me Enable AAA list</me </td><td>tho login authen tic ation <list e="" nam=""></list></td></me>	d> listne tho d1> <me Enable AAA list</me 	tho login authen tic ation <list e="" nam=""></list>	
Populate new AAA	aaa authen tic ation <me dn="" tho=""> (see metho</me>	n login <li e="" nam="" st-=""> <n< td=""><td>ne tho d> <me td="" tho<=""><td>d1></td></me></td></n<>	ne tho d> <me td="" tho<=""><td>d1></td></me>	d1>	



method list

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