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4.6.5 - connect a wired and wineless LAW.

Aim: To connect a wired and wireless uning CISCO packet tracer. AM 9/06/100 0 19 3403

Apparatus: - A PC loaded with CISCO packet traces,

Procedure: - 01 1011.0.0.01 1107

connections;

Sex 0/0/0 (4223/00:1124 Sex 1) cloud ceth 6) -> Router O Ccopper straight through) ,0/0/0 105 De (4010)

2) Router O (ser 0/0/0) - Router 1 (ser do) (serial DIE)

2) Router O(FOII) -> netacced · plato (copper cross-over)

4) Router O (console) - configure terminal RS132 (console)

5) Router: (Filo) -> switch (foli) (serial IDE) of winner

6) Cabel Modern (port 1) to wireless Routes Internet Copper straight though

7) wiveles Router Ethernet 1 -> family PC (copper straight

Addrening	Table,
- 0	. 2016

100	ne -	posto while the	
Device	Interbace	sp address	Connects
Cloud	Ech 6	N/A	Folo
1	Coax 7	N/A	Porto
cable	Port o	med a AME	Coax 7
modern	Porbl by	10 NIAW 10	Internet
Routero	console	CHECCH AIM	125232 00213
et ouce.	Folo	19201680201124	Eth &
	Foli	10.0.0.1/24	FO
	ser ololo	172.31.0.1124	ser 0/0
Routeri	ser olo	172.31.0.2124	ser dolo
(3)0 101	the 10 bys	172.16.0.1124	6) Roll so mos (3)
Router	Internet	192-168-2-2124	1 Port on 1 (2
(S) 32 (cancel	Ethlypest	1929168 : 1.1	A) Router O Cothus
	(3#10 MISS.	(1920-168-10-102	Shoutest (fifte) -
Switch 1931		191172.16: 0020	
Netacad pla	EO		a) wive on Motte
Configuration Terminal	RS232	N/A	Console

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	inheat to the child
	1 - Connect the should be a son o
	The bottom lent, will the orange tightning the
L	the available connections.
-	" Choice the correct capie to connect " Pouter o 7000
ı	the cloud is a type of witch. It was attached
	the correct cable, the link lights on the cable than gree
ı	Step 2:- Connect the cloud to cable modern
ı	choose the correct cable to connect "cloud coax T
l	Modern port 04. 76 you attached the correct cable, the
l	and higher on the calde twen green
l	Part 2:- Connect Routero
	step1: connect Routero to Router1
ı	choose the correct cable to connect " pouter o ser 0/04 to
	"Router 1 ser 010". We one of the available serial castes.
	step2:- Connect Routero to netacadopka
	Choose the correct cable to connect "Router O FOI," to
100	"netacad plea to". Routers and computers traditionally,
1	use the same wires to transmit(1 and 2) and
	receive (3 and 6). The correct cable to choose consist
C	these crossed wives. Atthough many NIC's can now

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autosense which pair is used to transmit and receive Router o and netacadopka do not have autosensing MICIA.

Step 3:- connect Routero to the configuration terminal Choose the correct cable to connect Router o console to configuration terminal RS232- This cable does not provide network access to "configure terminal" but allows you to configure Router o through its terminal it you attached the correct cable, the link lights on the cade turns black.

Part 3: - Connect Remaining bevices

Step 12- Connect Routers to switch

choose the correct cable to connect "Router 1 Filo" to "Switch Foli". If you attached the correct caple then color change from amber to green.

Step 2:- Connect cable modern to wireless routers choose the correct cade to connect "cade modern port i to "wireless router internet" port.

Step 3 :- Connect wireless rauter to family PC

choose the correct cable to connect Wireless Router Ethernot 1 to family PC.

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Part 4: - Verify connections

Step 1:- Test the connection from family PC to netacade

a) Open the "Family Pc" command prompt and ping netucadopka

b) Open the "web browser" and the web address http:// netacad.plca

step 2:- Ping the switch frome Home Pc.

Open the "Home Pc" command prompt and ping the "switch" IP address of to verify the connection.

Step 3:- Open Router O from configuration terminal

a) open the "terminal" of "Configuration Terminal" and accept the default settings.

6) Press "Enter" to view "Router o" command prompt.

c) type " show ip interface brief" to view interface satures starieses.

Part 5:- Examine the physical Topology

step 1: - Examine the cloud

a) click on the physical workspace tab (or) press shift to

b) dide on the home city i'con.

c) click on the cloud i con.

d) click back to return to home city.

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step 2:- Examine the primary network

a) click the "primary network" icon. Hold the mause pointer over the various cables.

b) click " Back" to return "Home wity".

steps: Examine the secondary network.

(a) click the "secondary network" icon. Hold the mouse pointer over the various cables

cos clicle "Back" to return home vity.

step 4) - Examine the hone network.

cas click the "Home network" iun

(b) click the "logscal workspace" tab to return to the logical topology

Result: - Wired and wireless LAN is connected using CISCO packet traces.