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Thanks to Neo ,Silent poison ,Silicon, Inxroot

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Setup and tools Requirement for breaking cisco password

Download and install Cain & Abel from <u>http://www.oxid.it/cain.htm</u>

Packet Tracer, the Cisco router simulator installed in windows <u>http://www.packettracer.info/</u>



Working Steps:

 Install Packet Tracer with the default options.
 Launch Packet Tracer.
 In the lower left corner of the "Cisco Packet Tracer" window, click the Router icon, as shown to the right on this page.

In the lower center of the "Cisco Packet Tracer" window, drag the 1841 icon into the white center pane, as shown to the right on this page.



Adding Password To The Router

- Double click on center of the "Cisco Packet Tracer" window, double-click the "1841 Router 0" icon.
- In the "Router0" window, click the CLI tab, as shown in the figure on the next page. At the "Continue with configuration dialog? [yes/no]" prompt, press n and then press Enter key twice.
- You should see a Router> prompt. This is the Cisco IOS, which is a lot like Linux. The > indicates that you are in Unprivileged Mode, like a non-administrative account. To enter Privileged mode, type this command, and then press the Enter key: enable
- The prompt changes to Router#. You are now in Privileged Mode, like root on a Linux computer. You didn't need a password to elevate your privileges, which is very insecure. To fix that, you must first enter Global Configuration Mode. Type this command, and then press the Enter key: config t
- The prompt changes to Router(config)#. To require a password of cisco, type this command, and then press the Enter key:
 enable password meow

Screenshot - Setting Up Password In Cisco router

- To exit Global Configuration
 Mode, type this command, and then press the Enter key: End
- To exit Privileged Mode, type this command, and then press the Enter key: enable password meow
- To exit Global Configuration Mode, type this command, and then press the Enter key: end
- To exit Privileged Mode, type this command, and then press the Enter key: disable

Physical Config C				
IOS	S Command Line Interface			
Compiled Wed 18-Jul-	D7 Dy CISCO Systems, Inc. D7 04:52 by pt_team			
System Configuration Dialog				
Continue with configuration dialog? [yes/no]: n				
Press RETURN to get :	started!			
Router>enable				
Router#config t	Find with CNTT (7			
Router (config) #enable	e password meow			
Router(config) #end				
Router#	figured from concole by concole			
*515-5-CONFIG_1. CON	Englied from console by console			
Router#disable				
Router>enable				
10550201				
	Copy Paste			

Looking The Configuration File and Removing Plain Text Password

- The router is now passwordprotected, but how secure is the password storage? To find out, type this command, and then press the Enter key: show running-config
- The password is clearly visible, as shown to the right on this page.
- Removing the Plaintext Password Plaintext storage of passwords is very insecure. To remove that stored password, type these commands, pressing the Enter key after each command:

config t no enable password end



Setting an Encrypted Password

- To configure an encrypted password, type these commands, pressing the Enter key after each command: config t enable secret meow end
- To see the encrypted password, type this command, and then press the Enter key:
 show running-config
 The password is now hashed, as
 shown to the right on this page.
 Highlight the password hash as
 shown, right-click the highlighted area, and click Copy.



- Installing Cain If you don't already have Cain installed, download it from oxid.it/cain.html and install it:Right-click the Cain shortcut on your desktop and click "Run as Administrator"
- In the Cain window, click the Cracker tab. In the left pane, click the "Cisco IOS MD5 Hashes" item to highlight it.
- From the Cain toolbar at the top of the window, click the + icon. An "Add Cisco IOS MD5 Hashes" box opens. Paste the hash into the upper box and click OK. The hash should appear in the central pane, as shown to the right on this page.
- In the central pane of the Cain window, right-click the hash and click "Brute-Force Attack".
- In the "Brute-Force Attack" box, click the Start button.
- The password should be found in a few seconds, as shown on the next page of these instructions

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BRUTE-FORCE THE HASH AND GETTING PASSWORD MEOW

- In the central pane of the Cain window, right-click the hash and click "Brute-Force Attack".
 In the "Brute-Force Attack" box, click the Start button.
- Password successfully cracked shown below

Charset			Password length Min 4
abcdefghijklmnopqrstuvwxyz0123456789 Custom		•	Max 16 -
Keyspace	Current passw	ord	
Key Rate	Time Left		
Plaintext of %1%mERr%s0oiJpjX; Attack stopped! 1 of 1 hashes cracked	j1Z.6NxQof1RB.	is meow	

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@dodo

