DHCP SERVER

DHCP merupakan singkatan dari Dinamyc Host Configuration Protocol adalah sebuah layanan yang secara otomatis memberikan nomor IP kepada komputer yang memintanya. komputer yang memberikan nomor IP inilah yang disebut sebagai DHCP server, sedangkan komputer yang melakukan request disebut DHCP Client.

fungsi DHCP

Seperti yang sudah diterangkan. fungsi DHCP ini adalah dapat memberikan nomor IP secara otomatis kepada komputer yang melakukan request.

Konfigurasi Server



1. Ada halaman Manage your server \rightarrow add or remove a role

2. Setelah itu klik pada DHCP server \rightarrow next

	-9							
	Configure Your	Server Wizard			×			
c	Server Role You can s	et up this server to perform one o	r more specific rol	es. If you want to add more than one	V.			
	role to th	is server, you can run this wizard	again.			_		
	Select a r remove it Server I	ole. If the role has not been adde . If the role you want to add or re Role	d, you can add it. nove is not listed, Configured	If it has already been added, you can open <u>Add or Remove Programs</u> . DHCP server		telp and Support Ce	nter 📃 🔁	
	File Serv Print se Applicat Mail ser Termina Remote Domain DNS ser	ver rver ion server (IIS, ASP.NET) ver (POP3, SMTP) I server access / VPN server Controller (Active Directory) ver	No No No No No Yes Yes	DHCP (Dynamic Host Configuration Protocol) servers assign IP address to network clients. Read about DHCP servers	ses	ive a role server roles remote	<u>Tools and Updates</u> Administrative Tools More Tools Windows Update Computer and Domain Name	
	Streami WINS s	erver ng media server erver	No No No			bn	Information Internet Explorer Enhanced Security Configuration	
				View the Configure Your Server loo	<u>l</u> ,	rs and h Active nains and trusts	See Also Help and Support Microsoft TechNet	
			< <u>B</u> ack	Next >>> Cancel	Help	s and services	Deployment and Resource Kits	
		 DNS Server 		Q) Review the this role	next steps for	List or Common Administrative Tasks Windows Server Communities What's New	
		DNS (Domain computer DN:	Name System) ser 5 names to IP add	vers translate domain and sesses.	Manage thi Review the this role	s DNS server next steps for	Strategic Lechnology Protection Program	
		🗌 Don't display th	iis page at logon					
			1	(
4	Start 📴 🤮) 🛛 🔄 Manage Your Server	Com 🔤	mand Prompt 🔤 📑 Configur	e Your Serv	/e		😼 👯 6:37 PM

3. Masuk ke summary of selection \rightarrow next

Configure Your Server Wizard	
Summary: Install DHCP server Run the New Scope Wizard to configure a new DHCP scope	telp and Support Center
	Iools and Updates Administrative Tools server roles Windows Update remote Computer and Domain Name Information Internet Explorer Enhanced Security Configuration
To change your selections, click Back. To continue setting up this role, click Next.	rs and n Active Help and Support nains and trusts Microsoft TechNet s and services Deployment and Resource Kits List of Common Administrative Tasks
This role This r	Windows Server Communities What's New Strategic Technology Protection Program next steps for
Don't display this page at logon	
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4. Setelah itu masuk pada new scope wizard \rightarrow next

Configure Your Ser Applying Select The Configure Configuring D	ver Wizard ions • Your Server Wizard is adding the selected role to this server. HCP Server telp and Support Center	
	In provide the set of	rdates Tools Ite Domain Name rer Enhanced guration ort Niket and Resource Kits n Administrative er Communities nology Protection
Start 🛛 🚱 🥭	Manage Your Server 🔤 Command Prompt 🧃 Configure Your Serve	🛃 强 6:3

5. Isi nama name dan description \rightarrow next

Configuring DHCP Server Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impact Center Impa	Configure Your Server Wizard Applying Selections The Configure Your Server Wizard is add	g the selected role to this server.	
New Scope Wizard per Tools Scope Name Yes provide an identifying scope name. You also have the option of providing a description. for date in domain Name Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network. for enhanced riguration Ngme: PHCP Serverku port. Description: DHCP surveix com port. Object Object thNet and Resource Kits on Administrative ver Communities DNS Server DMS Domain Eack Netty Cancel Object DMS Server Cancel thology Protection OUP Server DMCP Server Cancel thology Protection DHCP forynamic Host Configuration Protocol) servers assign Manage this DHCP server thology Protection	Configuring DHCP Server	Help and Support Center	ites ▲
	DNS Servi DNS (Doma computer D DHCP Servi DHCP (Dyn IP addressi	New Scope Wizard re To Scope Name You have to provide an identifying scope name. You also have the option of providing a description. Image: Type a name and description for this scope. This information helps you quickly identify how the scope is to be used on your network. Name: DHCP Serverku Image: DHCP Serverku Image: DHCP surabi.com Image: OHCP surabi	als main Name Enhanced ation

6. Isi start IP address range \rightarrow next

- 9 Fonfinure Your Server Wizard	
Cr Applying Selections The Configure Your Server Wizard is adding the selected role to this server.	
Configuring DHCP Server	
<u>T</u> ools and L	Ipdates
New Scope Wizard	e Tools
IP Address Range You define the scope address range by identifying a set of consecutive IP addresses.	date d Domain Name
Enter the range of addresses that the scope distributes.	lorer Enhanced
0	řiguration
gran in audiess.	
End IP address: 192 . 168 . 8 . 254	
A subnet mask defines how many bits of an IP address to use for the network/subnet IDs and how many bits to use for the host ID. You can specify the subnet mask by length or as an IP address. Length: 24 =	port thilet and Resource Kits on Administrative ver Communities
☆ DN5 Serve	
DMS (Demai	hnology Protection
computer DI	
DHCP (Dynamic Host Configuration Protocol) servers assign DHCP (Dynamic Host Configuration Protocol) servers assign IP addresses to network clients.	_
🟄 Start 🛛 🧭 🖉 Manage Your Server 🛛 🔤 Command Prompt 🗐 Configure Your Serve	😏 👯 6:41 PM

7. Pada add exlusions isi alamat ip server atau alternative yang tidak akan dipakai client

🔊 Configure Your Server Wizard	
C Applying Selections The Configure Your Server Wizard is adding the selected role to this server.	
Configuring DHCP Server	
<u>I</u> ools and	Updates
New Scope Wizard	/e Tools
Add Exclusions Exclusions are addresses or a range of addresses that are not distributed by the server.	date nd Domain Name
Type the IP address range that you want to exclude. If you want to exclude a single address, type an address in Start IP address only.	plorer Enhanced Ifiguration
Excluded address range:	
Address 192 168 8 50 Remove	pport chNet and Resource Kits
	non Administrative
DNS Serve DNS (Domai computer Di	chnology Protection
Cancel	
DHCP Server	
DHCP (Dynamic Host Configuration Protocol) servers assign IP addresses to network clients.	<u> </u>
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8. Lease Duration \rightarrow next

_	9		
	Configure Your Server Wizard		
C	Applying Selections The Configure Your Server Wizard is adding	the selected role to this server.	
	Configuring DHCP Server	Help and Support Center	
		ew Scope Wizard Ve Tools	
	-	Lease Duration The lease duration specifies how long a client can use an IP address from this with the date scope.	
		Lease durations should typically be equal to the average time the computer is for the connected of the same physical network. For mobile networks that consists mainly of portable computers or dial-up clients, shorter lease durations can be useful. Likewise, for a stable network that consists mainly of desktop computers at fixed locations, longer lease durations are more appropriate.	
		Sat the duration for econe lances when distributed by this server	
		set the duration for scope leases when distributed by this server.	
		Limited to:	
		Days: Hours: Minutes: and Resource Kts B = 0 = 0 Administrative administrative	
	DNS Serve	rver Communities	
	DNS (Domaii	choology Protection	
	computer of	<u> </u>	
	DHCP Serve	,	
	DHCP (Dynam IP addresses	ic Host Configuration Protocol) servers assign DManage this DHCP server to network clients.	
a y	Start 🛛 🧭 🥭 👘 Manage Your Server	Command Prompt Sconfigure Your Serve	😏 👯 6:41 PM

9. Configure DHCP Options \rightarrow next

 Configure Your Server Wizard		
Applying Selections The Configure Your Server Wizard is addin	ig the selected role to this server.	<u>_ ×</u>
Configuring DHCP Server	Help and Support Center	€
	<u>T</u> ools and Updates	Î
	New Scope Wizard /e Tools	
	Configure DHCP Options You have to configure the most common DHCP options before clients can use the date scope.	
	When clients obtain an address, they are given DHCP options such as the IP lorer Enhanced addresses of routers (default gateways), DNS servers, and WINS settings for that ifiguration scope.	
	The settings you select here are for this scope and override settings configured in the Server Options folder for this server. Do you want to configure the DHCP options for this scope now?	
	Yes I want to configure these options now	
	No. I will configure these options later and Resource Kits	
	on Administrative	
 A DNS Serve 	rver Communities	
	chnology Protection	1 1
DNS (Domai computer Df	<back myset=""> Cancel</back>	
	er	
DUCT /Duct	mis Host Coofiguration Protocol) conversion	
IP addresse	s to network clients.	_
Start 🛛 🞯 🧔 🗍 🏹 Manage Your Serve	er Command Prompt Sconfigure Your Serve	5 🛞 6:47

10. Isi router lalu \rightarrow next

Configure Your Server Wizard Configure Your Server Wizard is adding the selected role to this server.	
Configuring DHCP Server	
New Scope Wizard re Tools Router (Default Gateway) date You can specify the routers, or default gateways, to be distributed by this scope. of Domain Name	
To add an IP address for a router used by clients, enter the address below.	
Image: Second	
DNS Serve DNS (Domai computer Df	
DHCP Server DHCP (Dynamic Host Configuration Protocol) servers assign IP addresses to network clients.	
Start 🕝 🙈 Manage Your Server 🔯 Command Prompt	6:42 PM

11. Setelah itu isi parent domain, server name dan ip address \rightarrow next

Applying Selections The Configure Your Server Wizard is adding	the selected role to this server.	
Configuring DHCP Server	Help and Support Center	
	<u>T</u> ools and Updates	1
	Yew Scope Wizard Ye Tools	
	Domain Name and DNS Servers The Domain Name System (DNS) maps and translates domain names used by clients on your network.	
	You can specify the parent domain you want the client computers on your network to use for DNS name resolution.	
	To configure scope clients to use DNS servers on your network, enter the IP addresses for those servers.	
	Server name: IP address: chNet	
	surabi Add and Resource Kits	
	Resolve 192.168.8.58 <u>Hemove</u> on Administrative	
	Up rver Communities	
DN5 Serve DN5 (Domain	Down choology Protection	
computer Df	<u> </u>	
DHCP Serve	r	
DHCP (Dyna IP addresses	ic Host Configuration Protocol) servers assign 🛛 🔂 Manage this DHCP server to network clients.	

WINS servers \rightarrow next

Configure Your Server Wizard	
C Applying Selections The Configure Your Server Wizard is adding the selected role to this server.	
Configuring DHCP Server	Help and Support Center
	Tools and Updates
New Scope Wizard	/e Tools
WINS Servers Computers running Windows can use WINS servers to o names to IP addresses.	orrvert NetBIOS computer
Entering server IP addresses here enables Windows clie broadcasts to register and resolve NetBIOS names.	Its to query WINS before they use alorer Enhanced inguration
Server name:	15:
	· · Add
Resolve	<u>Remove</u>
	Up chNet
	and Resource Kits
To change this behavior for Windows DHCP clients mod Type, in Scope Options.	(y option 046, WINS/NBT Node ver Communities
	chnology Protection
computer Df	Next Cancel
DHCP Server	
DHCP (Dynamic Host Configuration Protocol) servers assign IP addresses to network clients.	this DHCP server
👔 Start 🛛 🎯 🥑 🖉 Manage Your Server 🛛 🔤 Command Prompt 🗐 Configure You	r Serve

12. Activate scope \rightarrow next

Ganina Your Carver Witterd	X	
Applying Selections The Configure Your Server Wizard is addi	ng the selected role to this server.	
Configuring DHCP Server	telp and	i Support Center
		Tools and Updates
	New Scope Wizard	/e Tools
	Activate Scope Clients can obtain address leases only if a scope is activated.	date hd Domain Name
	Do you want to activate this scope now? C Mg. I want to activate this scope now C Ng. I will activate this scope later	vlorer Enhanced Viguration
		oport chNet and Resource Kits ion Administrative
 DN5 Serve 		rver Communities
DNS (Doma computer D	<u> </u>	chnology Protection
DHCP Ser		
DHCP (Uyn IP address	annu nusu cuminguration Protocol) servers assign IManage this DHCP servers assign . Manage this DHCP servers assign .	
Start 🛛 🚱 🥑 🗍 🚺 Manage Your Serv	er Command Prompt 📑 Configure Your Serve	J 🕄 🦓 6:44

13. Setelah selesai \rightarrow finish

🥠		रा
	This Server is Now a DHCP Server You have successfully set up this server as a DHCP server. To add or	
Ves	remove another role, run the Configure Your Server Wizard again. <u>View the next steps for this role</u>	1elp and Support Center
E		a role Administrative Tools More Tools Ver roles Windows Update note Computer and Domain Name
	For a record of your changes, see the <u>Configure Your Server log</u> . To close this wizard, click Finish.	and Security Configuration
	< Beck Firsth Cancel Help	tive Help and Support s and Trusts Microsoft TechNet Deployment and Resource Kits List of Common Administrative next steps for Tasks
	DNS Server	Windows Server Communities What's New Strategic Technology Protection
	DNS (Domain Name System) servers translate domain and DNS (computer DNS names to IP addresses.	DN5 server Program next steps for
	DHCP Server DHCP (Dynamic Host Configuration Protocol) servers assign IP addresses to network clients.	DHCP server
🗶 Start 🛛 🚱 🥥 🖉	anage Your Server 🛛 🔤 Command Prompt 🗐 Configure Your Ser	r ve 🛃 🛞 6:45 PM

 Untuk dapat melakukan konfigurasi dengan client maka harus di authorize seperti gambar di bawah ini



Konfigurasi Client

1. Klik kanan pada gambar LAN dan klik status



2. Setelah masuk LAN Status \rightarrow properties

Recycle Bin	Canon Solution Menu	Wiramp	ConceptDraw Office MIN	TuneUp 1-Click Maintenance	-	1	1		*
Internet Explorer	Easy-thittp	Yahoo! Messer ger	Conceptbrew Office PRO	Local Area Co General Support	nnection Status	2 🛛			1
My Electronic Places	Easy-theop	Studje Chrome	ConceptDrew Office IRO	Status: Duration: Speed:		Connected 09:35:35 100.0 Mbps			
Acar Canažo	estevz	diverses to oznana.	Jereator Pro	e Activity	A				1
Acer Store	Mozilla Firefox	Virtual DJ Trial	NetBeans IDE 6.8	Bytes:	S ^{ent} ─ ₩				
Alcohol 120%	My Printer	Windows Media Player	CE100 Dialer	Properties	Disable				
Canon Easy-PrintT	reksoTrans2	Avira AntiVir Control Center	Shortcut to slide_E-Gov			Close			
start	Prin	tScreen Files	👍 Loca	l Area Connectio				0 🕫 😵 🌒	😨 📕 4:10 AM

3. Pilih pada TCP/IP \rightarrow properties



4. Isi pada automatically \rightarrow OK

Recycle Bin Canton Solution Menu	an Winang Conceptiony Turels 1-5166 Office MULL		to and
6 😥	Local Area Connection Statu	15 💽 🛛	
Internet Basys	Internet Protocol (TCP/IP) Properties		al and the
Ny Hustooth Basyl	General Atemate Configuration You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.	Connected 09:35:58 100.0 Mbps	
Acer es	Obtain an IP address automatically Use the following IP address: IP address: Subnet mask:	- Received	
Acer Store Mozil	Oddail gateway: Obtain DNS server address automatically Use the following DNS server addresses: Preferred DNS server:	297,945	
Alcohol 120% My Canon rekst Easy-PrintT	Alternate DNS server:		
🤧 start 🔰 🙆 P	rintScreen Files 🛛 👃 Local Area Connectio 🗐 👍 Local Area Co	nnectio	🧿 😻 🕲 📑 🛒 4:10 AM

5. Status pada client sudah menggunakan DHCP

