Managing a Service

June 18, 2012

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Services

To access Services, we can either open Administrative Tools on the Start menu or we can open Computer Management and select Services and Applications and then pick Services. We pick the Standard tab at the bottom of the window for a condensed view.

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Computer Management (Local)	Name	Description	S 🔻	Startup Type	Log 🔺	Actions
👔 System Tools	Active Directory Domain Services	AD DS Domain Controller service. If thi	Started	Automatic	Loc	Services
🕀 🕒 Task Scheduler	Application Experience	Processes application compatibility cac	Started	Automatic	Loc	Scivices
🛨 🛃 Event Viewer	Application Layer Gateway Service	Provides support for 3rd party protoco	Started	Manual	Loc	More Actions
🕀 👸 Shared Folders	Background Intelligent Transfer Service	Transfers files in the background using	Started	Automatic	Loc	DHCP Server
 Reliability and Performanc 	Base Filtering Engine	The Base Filtering Engine (BFE) is a ser	Started	Automatic	Loc	
Device Manager	COM+ Event System	Supports System Event Notification Se	Started	Automatic	Loc	More Actions
Storage	Cryptographic Services	Provides four management services: C	Started	Automatic	Net	
Disk Management	DCOM Server Process Launcher	Provides launch functionality for DCOM	Started	Automatic	Loc	
Services and Applications	Desktop Window Manager Session Manager	Provides Desktop Window Manager sta	Started	Automatic	Loc	
Guartum.quark.iocal Gartum.quark.iocal Gartum.quark.iocal Gartum.quark.iocal	DFS Namespace	Integrates disparate file shares into a	Started	Automatic	Loc	
Services	DFS Replication	Enables you to synchronize folders on	Started	Automatic	Loc	
WMI Control	DHCP Client	Registers and updates IP addresses a	Started	Automatic	Loc	
	DHCP Server	Performs TCP/IP configuration for DHC	Started	Automatic	Loc	
	Diagnostic Policy Service	The Diagnostic Policy Service enables p	Started	Automatic	Loc	
	Diagnostic System Host	The Diagnostic System Host service en	Started	Manual	Loc	
	Distributed Transaction Coordinator	Coordinates transactions that span mu	Started	Automatic	Net	
	DNS Client	The DNS Client service (dnscache) cac	Started	Automatic	Net	
	DNS Server	Enables DNS dients to resolve DNS na	Started	Automatic	Loc	
	Function Discovery Resource Publication	Publishes this computer and resources	Started	Automatic	Loc	
	Group Policy Client	The service is responsible for applying	Started	Automatic	Loc	
	IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet	Started	Automatic	Loc	
	Intersite Messaging	Enables messages to be exchanged betwe	en computer	s running Window	s Server	sites. If this service
	IP Helper	Provides automatic IPv6 connectivity o	Started		Loc	
	IPsec Policy Agent	Internet Protocol security (IPsec) supp	Started	Automatic	Net	
	Kerberos Key Distribution Center	On domain controllers this service ena	Started	Automatic	Loc	
	KtmRm for Distributed Transaction Coordin	Coordinates transactions between MS	Started	Automatic	Net	
	Netlogon	Maintains a secure channel between th	Started	Automatic	Loc	
	Network Connections	Manages objects in the Network and Di	Started	Manual	Loc	
	Network List Service	Identifies the networks to which the co		Automatic	Loc	
	Network Location Awareness	Collects and stores configuration infor	Started	Automatic	Net	
	Network Store Interface Service	This service delivers network notificati	Started	Automatic	Loc 🔽	

Open the DHCP Service

Highlight and double click on the DHCP Server from the list of services on the Windows 2008 server.

🔛 Computer Management						_ 🗆	×	
<u>File Action View H</u> elp								
Computer Management (Local)	Name	Description	S 🔻	Startup Type	Log 🔺	Actions		
🖃 🎁 System Tools	Active Directory Domain Services	AD DS Domain Controller service. If thi	Started	Automatic L	Loc	Services		
Task Scheduler	Application Experience	Processes application compatibility cac	Started	Automatic L	Loc			
Event Viewer	Application Layer Gateway Service	Provides support for 3rd party protoco	Started	Manual L	Loc	More Actions	<u> </u>	
⊕	Background Intelligent Transfer Service	Transfers files in the background using	Started	Automatic L	LOC	DHCP Server	*	
Geriability and Performanc Device Manager	Base Filtering Engine	The Base Filtering Engine (BFE) is a ser	Started	Automatic L	loc	More Actions		
	🔍 COM+ Event System	Supports System Event Notification Se	Started	Automatic L	LOC	MOLE ACTIONS	1	
Disk Management	Cryptographic Services	Provides four management services: C	Started	Automatic N	Net		- 1	
E Services and Applications	DCOM Server Process Launcher	Provides launch functionality for DCOM	Started	Automatic L	LOC		- 1	
	🖳 Desktop Window Manager Session Manager	Provides Desktop Window Manager sta	Started	Automatic L	.oc		- 1	
Routing and Remote Acce	Section 2015 Namespace	Integrates disparate file shares into a	Started	Automatic L	loc		- 1	
C Services	Seplication	Enables you to synchronize folders on	Started	Automatic L	loc		- 1	
WMI Control	DHCP Client	Registers and updates IP addresses a	Started	Automatic L	.oc		- 1	
🕀 🗐 WINS	DHCP Server	Performs TCP/IP configuration for DHC	Started	Automatic L	Loc		- 1	
	Diagnostic Policy Service	The Diagnostic Policy Service enables p	Started	Automatic L	LOC -		- 1	
					۲Ē			
•	Extended) Standard						- 1	
	(/							
1								

DHCP Server Properties

The DHCP Properties window will appear and we can see the service status is started. We will first stop the service and the DHCP server can no longer perform TCP/IP configuration for client computers.

DHCP Server Prop	erties (Local Computer)	×			
General Log On	Recovery Dependencies				
Service name:	DHCPServer				
Display <u>n</u> ame:	DHCP Server				
Description:	Performs TCP/IP configuration for DHCP clients, including dynamic assignments of IP addresses,				
Pat <u>h</u> to executabl C:\Windows\syste	e: em32\svchost.exe -k DHCPServer				
Startup typ <u>e</u> :	Disabled				
Help me configure	e service startup options.				
Service status:	Stopped				
<u>S</u> tart	Stop <u>P</u> ause <u>R</u> esume				
You can specify the start parameters that apply when you start the service from here.					
Start parameters:					
	OK Cancel <u>A</u> pply				

Disabling DHCP Service

We can also disable the DHCP server. The server role is still loaded on the Windows 2008 server, but is disabled.

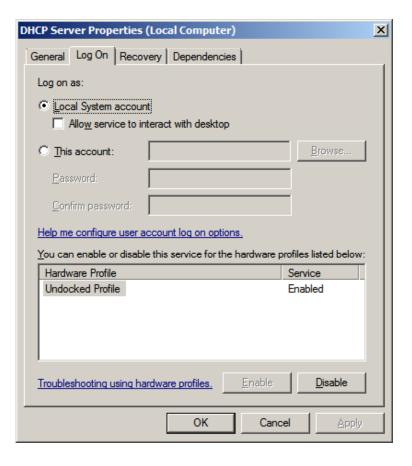
To put the DHCP server back into action, we would choose Automaticfor startup type and we would press the Start button.

DHCP Server Prop	erties (Local Computer)	×
General Log On	Recovery Dependencies	_
Service name:	DHCPServer	
Display name:	DHCP Server	
Description:	Performs TCP/IP configuration for DHCP clients, including dynamic assignments of IP addresses,	
Path to executabl C:\Windows\syste	e: em32\svchost.exe -k DHCPServer	
Startup type:	Automatic	
Help me configure	Automatic (Delayed Start) Automatic Manual	
Service status:	Disabled Stopped	
Start	Stop Pause Resume	
You can specify the from here.	he start parameters that apply when you start the service	
Start parameters:		
	OK Cancel Apply	

DHCP Server Properties – Log On

The Log On tab of the DHCP Server Properties window has the Local System Account option on. We could change the log on to a specific account as shown.

	DHCP Server Properties (Local Computer)	X
	General Log On Recovery Dependencies	
	Log on as:	
	Local System account Allow service to interact with desktop	
	<u>This account:</u> crobbins@quark.local <u>Browse</u>]	
	Password:	
	Confirm password:	
	Help me configure user account log on options.	
Services	Now:	
	account crobbins@quark.local has been granted the Log On Service right.	
	ОК	
	OK Cancel <u>A</u> pply	



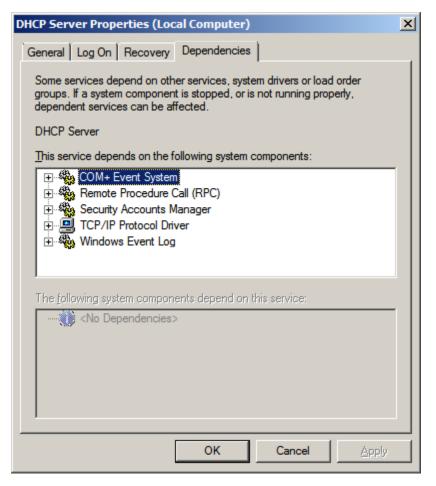
DHCP Server Properties – Recovery

The Recovery tab of the DHCP Server Properties window shows that the service will restart after first and second failure. There will be no action taken for subsequent failures. We can set the fail count after 2 days and restart service after 2 minutes.

DHCP Server Properties (Loc	al Computer)	×
General Log On Recovery	Dependencies	
Select the computer's respons	e if this service fails. Help me set up recovery	
<u>F</u> irst failure:	Restart the Service	
Second failure:	Restart the Service	
Subsequent failures:	Take No Action	
Reset fail c <u>o</u> unt after:	0 days	
Restart ser <u>v</u> ice after:	2 minutes	
Enable actions for stops w	ith errors. <u>R</u> estart Computer Options	
- Run program		
Program:		
	Browse	
Command line parameters:		
Append fail count to en	d of command line (/fail=%1%)	
	OK Cancel Apply	

DHCP Server Properties – Dependencies

The Dependencies tab of the DHCP Server Properties windows shows what events, security, TCP/IP driver and log can affect the service. This is very good to know for troubleshooting the system.



Services

We can see that the DHCP Server status is blank and startup type is disabled.

🔕 Services						_	
<u>File Action View</u>	Help						
	à 🛃 🚺 📷 🕨 🔲 II ID						
Services (Local)	🖏 Services (Local)	-					
	DHCP Server	Name 🔺	Description	Status	Startup Type	Log On As	
	Description: Performs TCP/IP configuration for DHCP clients, including dynamic assignments of IP addresses, specification of the WINS and DNS servers, and connection-specific DNS names. If this service is stopped, the DHCP server will not perform TCP/IP configuration for clients. If this service is disabled, any services that explicitly depend on it will fail to start.	 Active Directory Do Application Experie Application Informa Application Layer G Application Manage Background Intellig Base Filtering Engine Certificate Propaga CNG Key Isolation COM + Event System COM + Event System COM + System Appl Computer Browser Cryptographic Serv DCOM Server Proc Desktop Window M DFS Namespace DFS Replication 	Processes Facilitates Provides s Processes i Transfers f The Base F Propagate The CNG k Supports S	Started Started Started Started Started Started Started	Automatic Automatic Manual Manual Automatic (D Automatic Manual Automatic Manual Disabled Automatic Automatic Automatic Automatic Automatic Automatic Automatic Automatic	Local System Local System Local System Local Service Local System Local System	
		DHCP Server	Performs T	Started	Disabled Automatic	Local System	-
	Extended Standard	ing plagnoster oncy derri	ine biogriotiti		Hatomate		