Set-up DNS forwarders for Windows Server

Set Up via GUI

- 1. In Server Manager, go to Tools > DNS
 - If DNS is not present there, please install it via Server Manager

🚵 Server Manager				– 🗆 ×
Server Manager • Dashboa	rd	• @ I	Manage	Tools View Help
E Dashboard WELCOME TO SERVER M Local Server All Servers	Configure this local server			Component Services Computer Management Defragment and Optimize Drive Disk Cleanup DNS
 Right Click on Windo DNS Manager 	ws Server Machine Hostname > Properties > For	rward	ers	
File Action View Help	WIN-5NITEN5A45T Properties		?	×
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2 DNS	Interfaces Forwarders Advanced		Root Hi	nts
> 🗄 WIN-5NITEN5A45T				

	Debug Loggin	ng	Event Logging		Monitoring
🚊 DNS	Interfaces	Forw	arders	Advanced	Root Hints
> 📋 WIN-5NITEN5A45T	Forwarders are DNS servers that this server can use to resolve DNS queries for records that this server cannot resolve.				
	IP Address			Server FQDN	
	193.243.129.5	3	dnsnext.heimdalsecurity.co		alsecurity.com
	76.223.127.10 <unable resolve="" to=""></unable>		olve>		
	Use root hints if no forwarders are available Edit Note: If conditional forwarders are defined for a given domain, they will be used instead of server-level forwarders. To create or view conditional forwarders, navigate to the Conditional Forwarders node in the scope tree. OK Cancel Apply Help				

3. Click Edit and Add the required DNS Forwarders

Edit Forwarders

IP addresses of forwarding <u>s</u> ervers:					
IP Address	Server FQDN	Validated		<u>D</u> elete	
<click add="" an="" here="" ip<="" th="" to=""><th>Address or DNS Name></th><th></th><th></th><th></th></click>	Address or DNS Name>				
193.243.129.53	dnsnext.heimdalsecurit	OK		Up	
76.223.127.10	<unable resolve="" to=""></unable>	OK		D <u>o</u> wn	
Number of seconds befor	forward queries time out:	2			
The server FQDN will not l configured.	be available if the appropriate r	everse lookup zone	es and entries	are not	
			ОК	Cancel	

Set Up via PowerShell

1. Confirm DNS Feature is installed

Get-WindowsFeature -Name *DNS*

PS C:\Users\Administrator> Get-WindowsFeature -Name *DNS*					
Display Name	Name	Install State			
[X] DNS Server	DNS	Installed			
[X] DNS Server Tools	RSAT-DNS-Server	Installed			

2. If DNS Feature is not installed, install it

Install-WindowsFeature -Name DNS -IncludeManagementTools

3. Use the following commands to Check, Add, Remove Forwarders

```
Get-DnsServerForwarder
Add-DnsServerForwarder -IPAddress 193.243.129.53
Remove-DnsServerForwarder -IPAddress 76.223.127.10
```

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