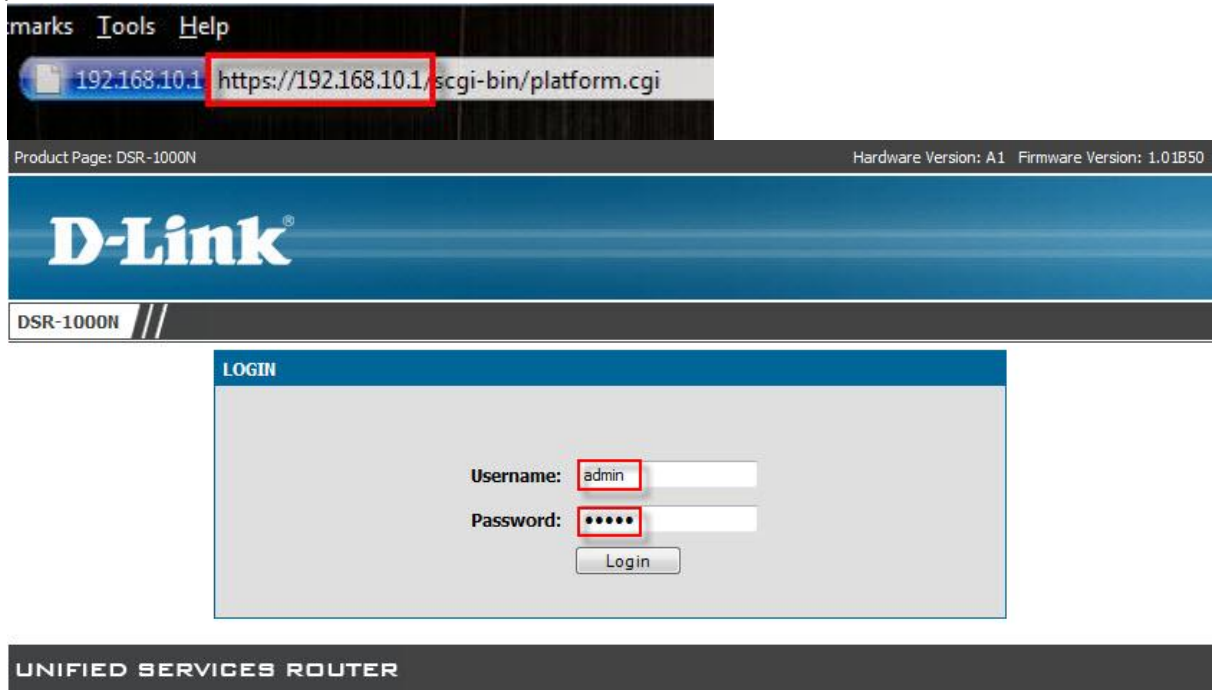
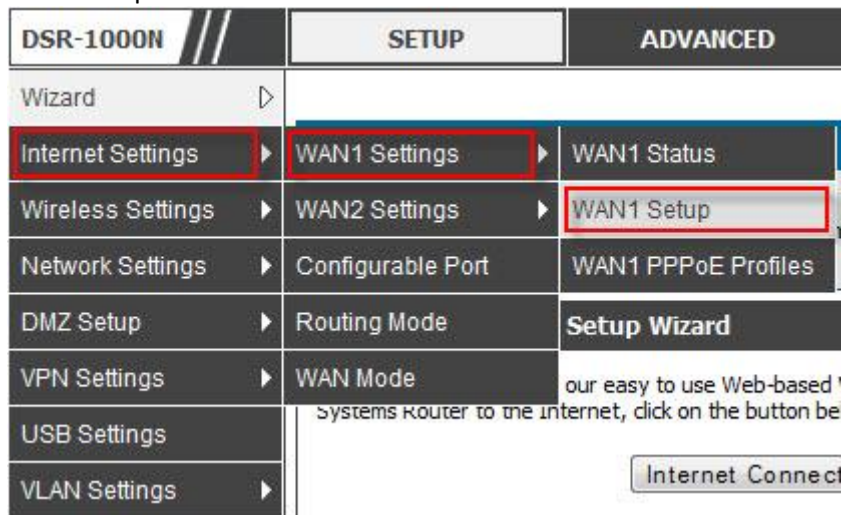


How to set up WAN failover on your DSR-1000N

1. Log onto your firewall using the default IP (192.168.10.1) with username admin and password admin:



2. We need to set up WAN1 first. Click on Setup → Internet Settings → WAN1 Settings → WAN1 Setup.



3. Set your ISP Connection Type to Static. Under Internet (IP) address, you need to specify your WAN IP (WAN port), Subnet and Gateway IP (Internet Router).

ISP Connection Type

ISP Connection Type: Static ▾

PPPoE Profile Name: **No PPPoE Profiles**

User Name:

Password:

Secret:

MPPE Encryption:

Split Tunnel:

Connectivity Type: Keep Connected ▾

Idle Time:

My IP Address:

Server Address:

Host Name:

Internet (IP) Address

IP Address Source: Get Dynamically from ISP ▾

IP Address: 192.168.100.152

IP Subnet Mask: 255.255.255.0

Gateway IP Address: 192.168.100.253

4. Remember to add your Primary DNS (default gateway)

Domain Name System (DNS) Servers

DNS Server Source: Use These DNS Servers ▾

Primary DNS Server: 192.168.100.253

Secondary DNS Server:

5. Click on Save setting at the top to save you WAN1 settings.

WAN1 SETUP

This page allows you to set up your Internet connection. Ensure information such as the IP Addresses, account information, etc. ISP or network administrator.

Save Settings Don't Save Settings

6. Check your WAN status under Internet Settings → WAN1 Settings → WAN1 Status

DSR-1000N	SETUP	ADVANCED	TOOLS	STATUS
Wizard				
Internet Settings	WAN1 Settings	WAN1 Status		
Wireless Settings	WAN2 Settings	WAN1 Setup		
Network Settings	Configurable Port	WAN1 PPPoE Profiles		
DMZ Setup	Routing Mode			
VPN Settings	WAN Mode		00:18:E7:CD:69:EE	
USB Settings	IPv4 Address:		192.168.100.152 / 255.255.255.0	
VLAN Settings	Wan State:		UP	
	NAT (IPv4 only):		Enabled	
	IPv4 Connection Type:		STATIC	
	IPv4 Connection State:		Connected	
	Link State:		LINK UP	
	WAN Mode:		Use only single WAN port: Dedicated WAN	
	Gateway:		192.168.100.253	
	Primary DNS:		192.168.100.153	
	Secondary DNS:			

7. We now need to set up a PPPoE profile for WAN2. Click on Internet Settings → WAN2 Settings → WAN2 PPPoE Profiles.

DSR-1000N	SETUP	ADVANCED
Wizard		
Internet Settings	WAN1 Settings	WAN1 Status
Wireless Settings	WAN2 Settings	WAN2 Status
Network Settings	Configurable Port	WAN2 Setup
DMZ Setup	Routing Mode	WAN2 PPPoE Profiles
VPN Settings	WAN Mode	
USB Settings		
VLAN Settings		

our easy to use Web-based systems router to the internet, click on the button below

Internet Connect

8. Click on Add

PPPoE PROFILES LOGOUT

The PPPoE Profiles page offers a convenient way to maintain multiple PPPoE accounts, which can then be associated with the WAN interface. The PPPoE profile is referenced on the WAN Configuration page. The Profiles table lists the available PPPoE profiles and some attributes associated with each profile.

List of PPPoE Profiles for WAN2

<input type="checkbox"/>	Profile Name	Status	User Name	Authentication Type
--------------------------	--------------	--------	-----------	---------------------

9. Add your Profile Name, Username, Password and set your Authentication Type to Auto.

PPPoE Profile Configuration

Profile Name:

User Name:

Password:

Service: (Optional)

Authentication Type: ▾

Connectivity Type: ▾

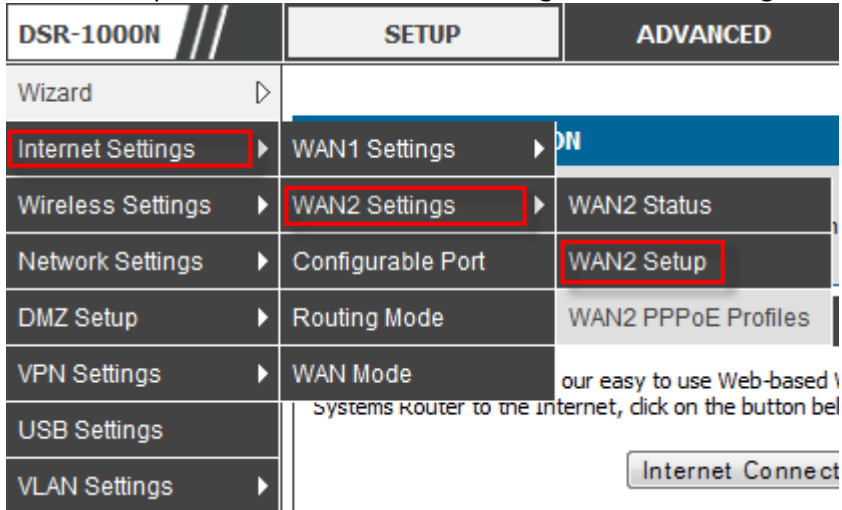
Idle Time: (Minutes)

10. When added it should look like this

List of PPPoE Profiles for WAN2

<input type="checkbox"/>	Profile Name	Status	User Name	Authentication Type
<input type="checkbox"/>	WAN2PPPoE	Disabled	online*****@telkomsa.net	Auto-negotiate

11. Now to set up WAN2. Click on Internet Settings → WAN2 Settings → WAN2 Setup



12. Under ISP Connection Type, Choose PPPoE from the drop-down menu and check the Profile name you created (Mine was WAN2PPPoE).

ISP Connection Type

ISP Connection Type: PPPoE

PPPoE Profile Name: WAN2PPPoE

User Name: _____

Password: _____

Secret: _____

MPPE Encryption:

Split Tunnel:

Connectivity Type: Keep Connected

Idle Time: _____

My IP Address: _____

Server Address: _____

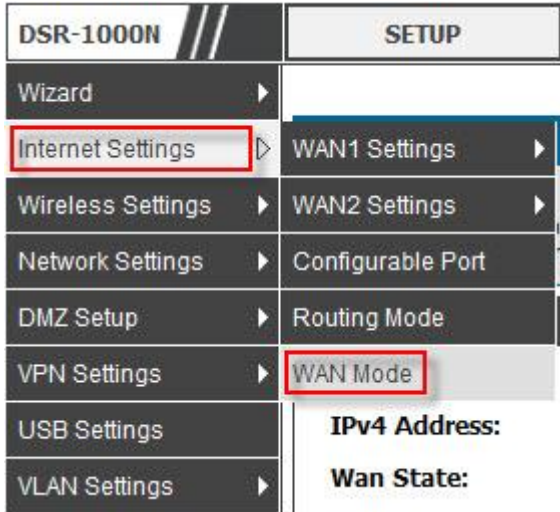
Host Name: _____

13. Remember to save your WAN2 settings.

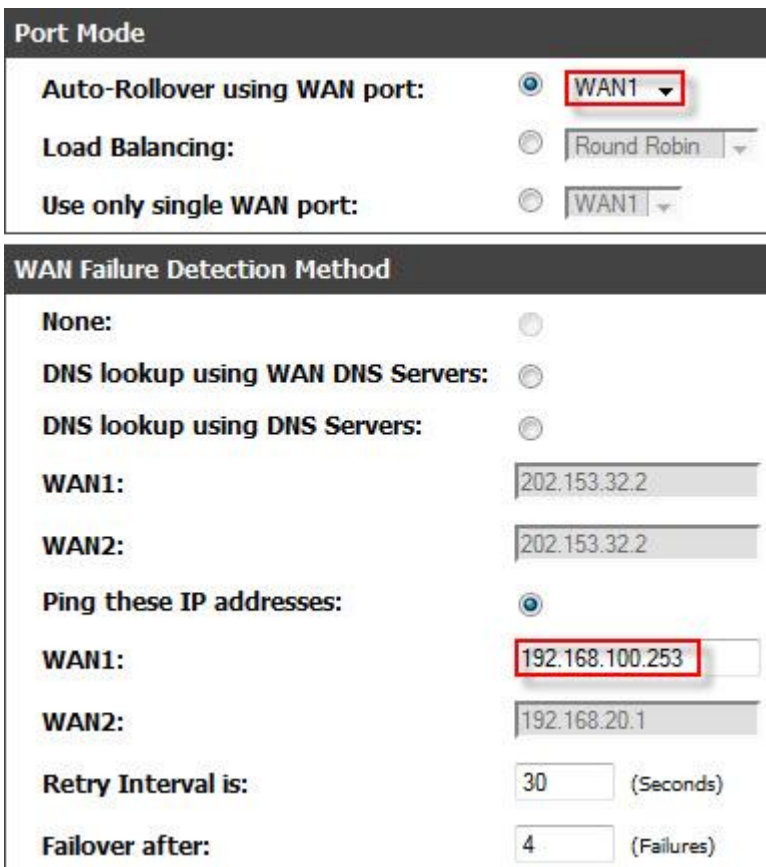
WAN1 SETUP

This page allows you to set up your Internet connection. Ensure information such as the IP Addresses, account information, etc. ISP or network administrator.

14. Now we need to set up the WAN port behavior. Click on Internet Settings → WAN mode.



15. Auto-Rollover using WAN1. Under WAN Failure detection Method you need to choose how the failover should be detected. I chose to ping certain IP's. Whenever the ping fails, the router will know that the connection dropped and will try again and ultimately fail over to WAN 2.



WAN1 SETUP

This page allows you to set up your Internet connection. Ensure information such as the IP Addresses, account information, etc. ISP or network administrator.

16. Do the same again for WAN 2.

Port Mode

Auto-Rollover using WAN port: **WAN2** ▼

Load Balancing: Round Robin ▼

Use only single WAN port: **WAN1** ▼

WAN Failure Detection Method

None:

DNS lookup using WAN DNS Servers:

DNS lookup using DNS Servers:

WAN1: 202.153.32.2

WAN2: 202.153.32.2

Ping these IP addresses:

WAN1: 192.168.100.253

WAN2: **196.43.45.190**

Retry Interval is: 30 (Seconds)

Failover after: 4 (Failures)

WAN1 SETUP

This page allows you to set up your Internet connection. Ensure information such as the IP Addresses, account information, etc. ISP or network administrator.

17. So finally if you check your WAN1 status, it should be up.

WAN1 Status (Ipv4)	
MAC Address:	00:18:E7:CD:69:EE
IPv4 Address:	192.168.100.152 / 255.255.255.0
Wan State:	UP
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	STATIC
IPv4 Connection State:	Connected
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Secondary WAN
Gateway:	192.168.100.253
Primary DNS:	192.168.100.253
Secondary DNS:	

18. To test the failover, remove the LAN cable from WAN1 and connection should fail over to WAN2 and should look like this.

WAN2 Status (Ipv4)	
MAC Address:	00:18:E7:CD:69:EF
IPv4 Address:	41.240.198.16 / 255.255.255.255
Wan State:	UP
NAT (IPv4 only):	Enabled
IPv4 Connection Type:	PPPOE
IPv4 Connection State:	Connected
Link State:	LINK UP
WAN Mode:	Auto-Rollover using WAN port: Dedicated WAN
Gateway:	41.240.188.1
Primary DNS:	196.43.45.190
Secondary DNS:	196.43.46.190

Well done, you have set up WAN failover successfully.