How to setup dynamic dns and verify its update status in DFL unit Before the scenario hands-on, we assume that the readers already along with following abilities and resource:

- 1. The simple DNS concept
- 2. a dynamic DNS account.

## Scenario summary:

## DFL-210/800/1600 f/w:v2.12.00 and DFL-700 f/w:v.

1. we will let DFL-unit access INTERNERT via PPPoE and update its DNS record with its WAN IP address



## **Object**

- 1. Configure PPPoE and Dynamic DNS record .
- 2. verify the Dynamic DNS update status.

## DFL-800

Step 1. Set up LAN interface

- 🧐 Home 🛛 🔣 Configuration 🗸 🕇 👬 T	ools 🗸 🛛 🛐 Status 🗸 👘	🔩 Maintenance 🖌			
DFL-800	🙀 InterfaceAddresses 🖓				
System     Objects     System     Objects     Address Book     System     Address Book     System     ALG     Services	An address folder can be used to group related address objects for better overview.				
Schedules	Name 🚽	Address 🚽	User Auth Groups 🚽		
	💡 dmz_ip	172.17.100.254			
🗄 🚔 VPN Objects	💡 dmznet	172.17.100.0/24			
🕀 🧝 Rules	🖁 lan_ip	192.168.10.1			
🕀 🔐 Interfaces	😽 lannet	192.168.10.0/24			
🕀 i Routing	😽 wan1_ip	192.168.110.254			
🗄 🚺 IDP / IPS	😔 waninet	192.168.110.0/24			
🗄 📴 User Authentication	😽 wan2_ip	192,168,120,254			
🗄 🔀 Traffic Management	😽 wan2net	192.168.120.0/24			
🗄 🚺 ZoneDefense					

Step 2. Setup PPPoE interface on wan1

SHome 🛛 📉 Configuration 🗸 👖	ools 🗸 🛛 😋 Status 🗸 🛛 🐁 Maintenance 🗸
DFL-800 DFL-800 Dojects Doj	Name:       hinet         Physical Interface:       wan1         Remote Network:       all-nets         Schedule:       (None)
PPFOE     PPTPL2TP Servers     PPTPL2TP Clients     PPTPL2TP Clients     ARP     Routing     DP / IPS     ODP / IPS	Authentication Usemame: 71018752@hinet.net Password: ******* Confirm Password: ******* Service Name:      Comments

Step 3. Add a DNS server's IP in DFL-800 to register dynamic DNS name. You also can use the default IP address object created by PPPoE interface.

🗐 🔂 System		
Constant Time     Constant     Constant	DNS     Configure the DNS (Domain Name System) olient settings.	
Cug and Even Receivers     Contents     Advanced Settings     Collects	Primary Server: 168,95.1.1 V Secondary Server: (Hone) V Terliare Report (None) V	
Address Book	Vinity V	OK Cancel
Authentication Objects		
Gruns		

Step 4. Add the dynamic DNS, user name and password

System	🛃 Dyndns.org Dynl	ONS Client			5
ChS ChS Chance Management Chance Management Chance Management Chance Management Chance Clearts	DNSName: Username: Password: Cenfirm Password:	arameters used to conn dlinklab.dyndns.org sonic ******** *****	eet to the dyndns org DynDNS service. eg: test.dyndns.org	ß	
→ DALG → Convices → Convices → Convolutes → Convolute	Comments				5
E BRouting					OK Cancel

Step 5. Verify the dynamic DNS update status.

By default, DFL unit will automatically update dynamic DNS, when WAN1 interface get a new IP address like device booting up and restarting interface. You also can use the following command to manually update the DNS record.

#httpposter

And then you can check the status of this update with the command.

*#httpposter -display* 

If it is successful, you will see the information as the following picture



Otherwise you will get a error message in the Status field.

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