

## How to set up WCF web authentication with DFL model local database



In this case our customer wants to set up public in the LAN net and WAN port set up the intranet. If you want to use WCF web authentication service that is a same setup in this step flow.

[DFL-860E] Firmware Version: 2.27.03.25

### 1. Interfaces > Ethernet

Set up WAN/LAN interface IP

WAN

IP address: 192.168.10.1, Network: 192.168.10.0/24, Default Gateway: 0.0.0.0

LAN

IP address: 1.1.1.1, Network: 1.1.1.0/24,

### 2. User Authentication > User Authentication Rules

#	Name	Authentication agent	Authentication source	Interface	Comments
1	auth-rule	HTTP	Local	lan	

Authentication Options: AdminUsers

RADIUS Method:

Local User DB:

### 3. User Authentication > Local User Databases > AdminUsers

Users index add a new user.

Name	Groups	IP Pool	Networks	Comments
admin	administrators			
dlink	administrators			

**General**

Name:

Password:  Note! Existing passwords will always be shown with 8 characters to hide the actual length.

Confirm Password:

Groups:

Comma separated list of groups

Users that are members of the 'administrators' group are allowed to change the firewall configuration.  
Users that are members of the 'auditors' group are only allowed to view the firewall configuration.

### 4. Objects > ALG with AV/WCF

Add a HTTP ALG.

#	Name	Type	Parameters	Comments
1	http-alg	HTTP ALG		

5. Objects > Services

Set up service object "http-all" and select our HTTP ALG.

#	Name	Type	Parameters	ALG Info	Comments
1	http-all	TCP	80,443	http-alg - WCF:Enabled	HTTP and HTTPS

6. Objects > Address Book

Create a new object for authentication LAN net.

#	Name	Address	User Auth Groups	Comments
1	lan-net-auth	1.1.1.0/24	administrators	

7. Rules > IP Rules

Create a special rule for WEB authentication

**lan\_to\_wan**  
An IP Rule Folder can be used to group IP Rules into logical groups for better overview and simplified management.

Add Edit this object

#	Name	Action	Source interface	Source network	Destination interface	Destination network	Service
1	dns	NAT	lan	lan-net	wan	all-nets	dns-all
2	allow_standard	NAT	lan	lan-net-auth	wan	all-nets	http-all
3	no-auth-sat	SAT	lan	lan-net	wan	all-nets	all_services
4	no-auth-sat-allow	Allow	lan	lan-net	wan	all-nets	all_services

Right-click on a row for additional options.

Index 1 & 3 is a necessary rule for WEB authentication and index 2 rule priorities must high than SAT rule.

**no-auth-sat**  
An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

General Log Settings NAT SAT Multiplex SAT

General

Translate the

Source IP

Destination IP

to:

New IP Address: lan\_ip

Name	Address
dmz_ip	172.17.100.254
lan_ip	1.1.1.1
wan_dns1	0.0.0.0
wan_dns2	0.0.0.0
wan_gw	0.0.0.0
wan_ip	192.168.10.1

applied on TCP/UDP services with port set to either a single port number or a port range without gaps

OK Cancel

[Test]

When PC try to access Web Server it will see the authentication page.

Then type in any account in administrator group you can success see the web page.

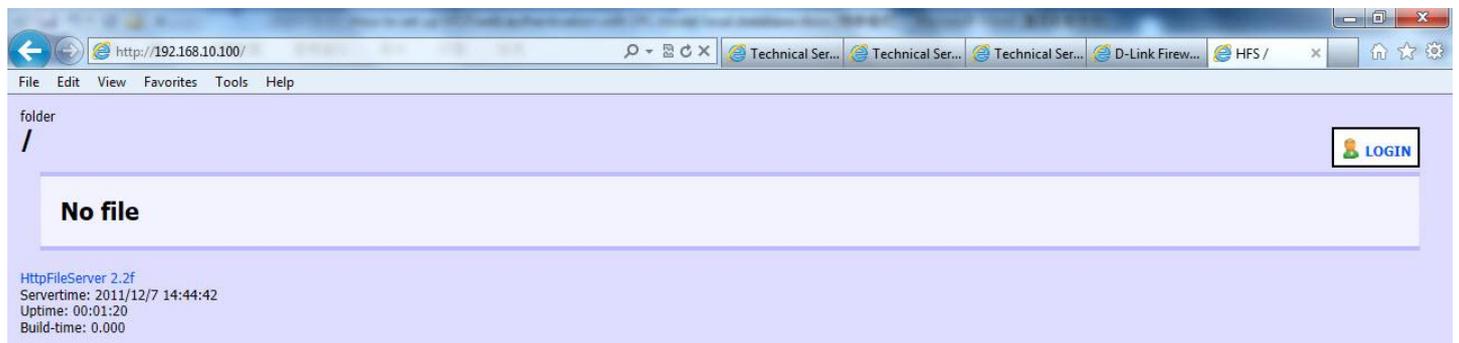


### Authentication required

Please enter your authentication credentials

Username:

Password:



END