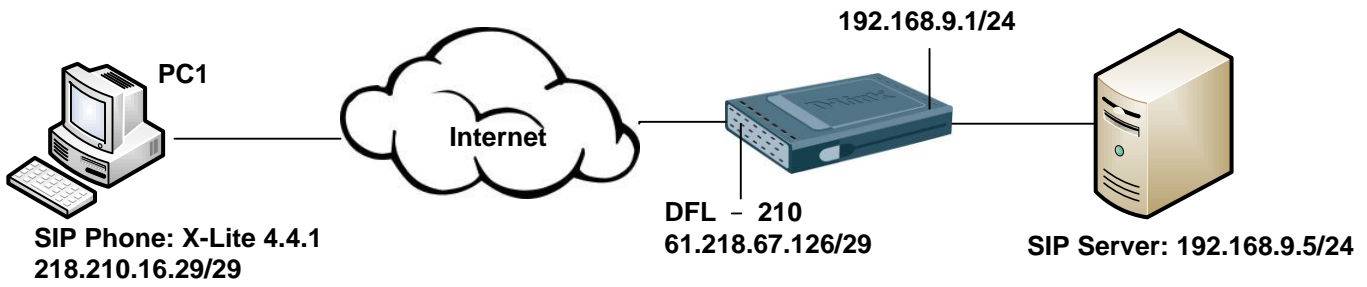


How to set up SIP ALG with DFL firewall

[Topology]



[DFL-210 Setup]

1. Objects > Address Book

The screenshot shows the 'InterfaceAddresses' configuration page. It has a title bar with a folder icon and the text 'InterfaceAddresses'. Below the title bar, there is a subtitle: 'An address folder can be used to group related address objects for better overview.' There are two buttons: 'Add' and 'Edit this object'. Below these buttons is a table with the following data:

#	Name	Address	User Auth Groups	Comments
1	SIP_ServerIP	192.168.9.5		

At the bottom right of the table, there is a note: 'Right-click on a row for additional options.'

2. Objects > Services

The screenshot shows the 'Services' configuration page. It has a title bar with a gear icon and the text 'Services'. Below the title bar, there is a subtitle: 'Services are pre-defined or user-defined objects representing various IP protocols, such as HTTP, FTP and Telnet.' There is an 'Add' button. Below the button is a table with the following data:

#	Name	Type	Parameters	ALG Info	Comments
1	sip-udp	UDP	5060	SIP	Enables UDP based Session Initiation Protocol comm...

At the bottom right of the table, there is a note: 'Right-click on a row for additional options.'

3. Rules > IP Rules

The screenshot shows the 'SIP_IP_Rules' configuration page. It has a title bar with a traffic light icon and the text 'SIP_IP_Rules'. Below the title bar, there is a subtitle: 'An IP Rule Folder can be used to group IP Rules into logical groups for better overview and simplified management.' There are 'Add' and 'Edit this object' buttons. Below these buttons is a table with the following data:

#	Name	Action	Source interface	Source network	Destination interface	Destination network	Service
1	SAT_SIP_Server	SAT	wan	all-nets	core	wan_ip	sip-udp
2	SIP_Service_Allow	Allow	wan	all-nets	core	wan_ip	sip-udp
3	SIP_NAT_Out	NAT	lan	lannet	wan	all-nets	sip-udp
4	allow-all	NAT	lan	lannet	wan	all-nets	all_services

At the bottom right of the table, there is a note: 'Right-click on a row for additional options.'

SAT_SIP_Server

SAT_SIP_Server
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: SIP_ServerIP

New Port: This value may only be applied on TCP/UDP services with port set to either a single port number or a port range without gaps

All-to-One Mapping: rewrite all destination IPs to a single IP

OK Cancel

[X-Lite Setup]

Softphone > Account Settings

SIP Account

Account | Voicemail | Topology | Presence | Transport | Advanced

Account name: dlink

Protocol: SIP

Allow this account for

Call

IM / Presence

User Details

User ID: dlink

Domain: 61.218.67.126

Password:

Display name:

Authorization name:

Domain Proxy

Register with domain and receive calls

Send outbound via:

Domain

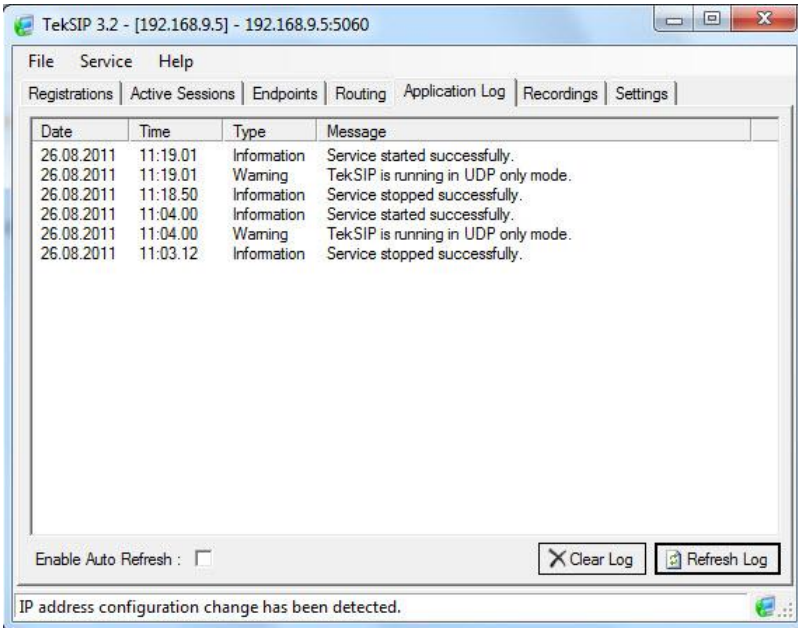
Proxy Address:

Dial plan: #11a,a.T;match=1;prestrip=2;

OK Cancel

[Verification]

1. SIP Server Log Login Success.



2. Firewall console

```
DFL-210:/> sipalg -session SIP

SIP Session Information for ALG: SIP
-----
From URI                               To URI                                Call Type
Call State                             -----
-----
sip:111@61.218.67.126:5060             sip:111@61.218.67.126:5060           UNKNOWN
REGISTER
```

```
DFL-210:/> sipalg -registration show SIP

SIPALG REGISTRATION TABLE for ALG: SIP
*****
SNo      : 001
AOR URI  : sip:111@192.168.9.5:5060
Dependent URI: sip:111@218.210.16.29:5060
Contact URI : sip:111@218.210.16.29:13106
Binding URIs : sip:111@218.210.16.29:5060
Life Time : 3600s
-----
```

END