

SIP server redundancy ("Locating SIP server with DNS" according to RFC3263)

Introduction

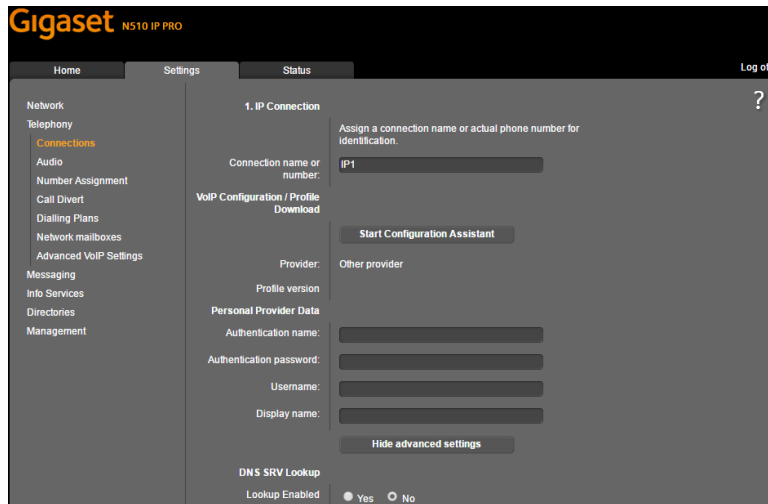
Do not use the preconfigured SIP server port numbers (5060), if you want to make use of SIP server redundancy ("Locating SIP server with DNS according to RFC3263).

Background is RFC 3263: "...If the TARGET was not a numeric IP address, but a port is present in the URI, the client performs an A or AAAA record lookup of the domain name...."

[Please look at this page to see a detailed communication flow.](#)

N510 software version >=240

In the web-interface go to: **Settings - Telephony - Connections - DNS SRV Lookup**



Provisioning Parameter	Value
SIP account 1:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP=0x1	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP..attr=0x0	
SIP account 2:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP_2=0x0	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP_2..attr=0x0	
SIP account 3:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP_3=0x0	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP_3..attr=0x0	
SIP account 4:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP_4=0x0	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP_4..attr=0x0	

SIP account 5:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP_5=0x0	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP_5..attr=0x0	
SIP account 6:	0x0 = No
BS_IP_Data1.ucB_SIP_USE_LOOKUP_6=0x0	0x1 = Yes
Possibility to hide in web-interface: BS_IP_Data1.ucB_SIP_USE_LOOKUP_6..attr=0x0	

N510 software version < 240

In the web-interface go to: **Settings - Telephony - Connections**

Make sure that the **port numbers** are empty, see the picture below.

The screenshot shows the 'Settings' page for 'VoIP Provider 6'. The 'General data for your service provider' section includes the following fields:

- Domain: [Empty]
- Proxy server address: [Empty]
- Proxy server port: 5060
- Registration server: [Empty]
- Registration server port: 5060
- Registration refresh time: 180 sec

The 'Network data for your service provider' section includes:

- STUN enabled: Yes No
- STUN server address: [Empty]
- STUN server port: 3478
- STUN refresh time: 240 sec
- NAT refresh time: 20 sec
- Outbound proxy mode: Always Automatic Never
- Outbound server address: [Empty]
- Outbound proxy port: 5060

A callout box points to the 'Proxy server port' and 'Registration server port' fields with the text: "To make use of SIP server redundancy („Locating SIP servers“ with DNS according to RFC3263) there should be no port number configured: Fields must be empty!"