

NRENum.net Course - Section 3 - ASTERISK Configuration

Official website of Asterisk SIP Server:

<http://www.asterisk.org/>

Assumptions:

Latest version of Asterisk SIP Server (<http://www.asterisk.org/downloads>)

Step 1. Add routing policies

Edit the configuration file of the Asterisk SIP Server (default: `/etc/asterisk/extensions.conf`)

Take as an example the following routing rules:

```
# vi /etc/asterisk/extensions.conf

;do an ENUM lookup for the dialed number
exten => +.,1,Set(Sipuri=${ENUMLOOKUP(${EXTEN},sip,1,e164.arpa)})
exten => +.,n,GotoIf("${Sipuri}" != "")?dial
exten => +.,n,Set(Sipuri=${ENUMLOOKUP(${EXTEN},sip,1,nrenum.net)})
exten => +.,n,GotoIf("${Sipuri}" = "")?lookupfailed
exten => +.,n(dial),Dial(SIP/${Sipuri},60,r)
exten => +.,n(lookupfailed),Hangup()
```

Explanation:

Line 1. Assigns the value of the branch found in the tree e164.arpa to the Sipuri variable (SIP URI)

Line 2. Skips to line 5 (Dialing Command) if the variable Sipuri is not empty.

Line 3. Assigns the value of the branch found in the tree nrenum.net to the variable Sipuri

Line 4. Skips to the last line (Hook Command) if the variable Sipuri is empty.

Line 5. Dials the URI

Tested on Asterisk 1.2.14

In Asterisk 1.4.X:

The ENUMLOOKUP feature requires an extra comma:

ENUMLOOKUP(\${EXTEN},sip,1,,nrenum.net)

Source:

How to Use Asterisk With nrenum.net, Mézháros Mihály:

<https://nrenum.net/documents/How%20to%20use%20Asterisk%20with%20nrenum.pdf>