

How to use Asterisk with nrenum.net

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Introduction

The following provides an overview of how Asterisk can be used with the nrenum.net tree. For comments, please send an email to the discussion list at nrenum.net.

Requirements

[Asterisk](#)

Configuration

Asterisk dialplan

Use commands such as the following in `/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()
```

Note:

- The first line assigns the value of the URI found in the e164.arpa branch to the variable Sipuri
- The second line causes a jump to the fifth line (Dial command) if the variable Sipuri is not a null string
- The third line assigns the value of the URI found in the nrenum.net branch to the variable Sipuri
- The fourth line causes a jump to the last line (Hangup command) if the variable Sipuri is a null string
- The fifth line dials the URI

This has been tested on Asterisk 1.2.14

Asterisk 1.4.x:

Unlike in Asterisk versions 1.2.x, the ENUMLOOKUP function requires an additional comma in versions 1.4.x:

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

An alternativ approach is the usage of an AEL macro:

- [Documentation of CESNET](#)
- Voip-info.org: [RFC Compliant ENUM Macro](#)
- <http://www.voipinfo.org/wiki/view/RFC+Compliant+ENUM+Macro>

Note: The config file /etc/asterisk/enum.conf has been deprecated and will be ignored!

Further information

- [Asterisk](#)
- [Asterisk and ENUM](#)
- [Voip-info.org about ENUMLOOKUP](#)

Credits

- Marco Sommani
- Jan Ruzicka
- Bernie Hoeneisen
- Mihály Mészáros