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Code

Remember to clear your browser cache before downloading :)

- GUI code (Perl for quagga)
- monitor (Perl. Can be used with Asterisk, GnuGK, Cisco (you can use Cisco for CO-BGP instead of quagga), Yate. Can be easily extended.)
- monitor (TCL, can be run by Embedded Event Manager (EEM)) Cisco TCL/EEM mini-howto
- CHF code (Perl. The code implements the lookup function and the "glue" to make it work with Asterisk.) Note: You must also have the monitor script (the previous bullet) running with subroutine write_plaintext. It will populate an intermediate CO-table (at the moment a plain text file "COtable.txt", you can easily make it use a database also). The CHF will use the intermediate table instead of the CO-BGP table directly (Option 6).
- CHF code (C. Implements the lookup function, as well as Asterisk FastAGI "bindings".). Note: You must also have the monitor script (the previous bullet) running with subroutine write_plaintext. It will populate an intermediate CO-table (at the moment a plain text file "COtable.txt", you can easily make it use a database also). The CHF will use the intermediate table instead of the CO-BGP table directly.
- Convert an IPv6 prefix to a telephony prefix (and vice versa; Perl)

Configuration

Asterisk (tested in Linux Debian 6.0)

- sip.conf
- h323.conf
- extensions.conf
- · modules.conf

GnuGK (tested in Linux Debian 6.0)

• See guidelines in the comments of the monitor code (above subroutine write gnugk).

Yate (tested in Linux Debian 6.0)

See guidelines from the monitor code (above subroutine write yate).

Cisco ISR 2921

- Cisco ISR BGP configuration. NOTE: In this configuration the CO-BGP neighbor (in this example 10.10.5.12) and the "normal" eBGP neighbor (10.63.0.2) are handled from the same router. In other words, **no dedicated "CO-BGP router" is needed**.
- Cisco ISR voice configuration example.

Quagga

Debian (in this example configuration, CO-BGP and the "normal" BGP are handled from the same process):

- /etc/quagga/bgpd.conf
- /etc/network/interfaces
- /etc/quagga/debian.conf
- /etc/quagga/zebra.conf

CentOS: Same as with Debian.

Note that no IPv4 networks are advertised to CO-BGP neighbor (10.10.0.12), and no IPv6 networks to CL-BGP neighbor (10.63.0.1):

(Scipts, configuration and documentation by Visa Holopainen -2013)

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