

# Cnxcc prepaid module for Kamailio

by

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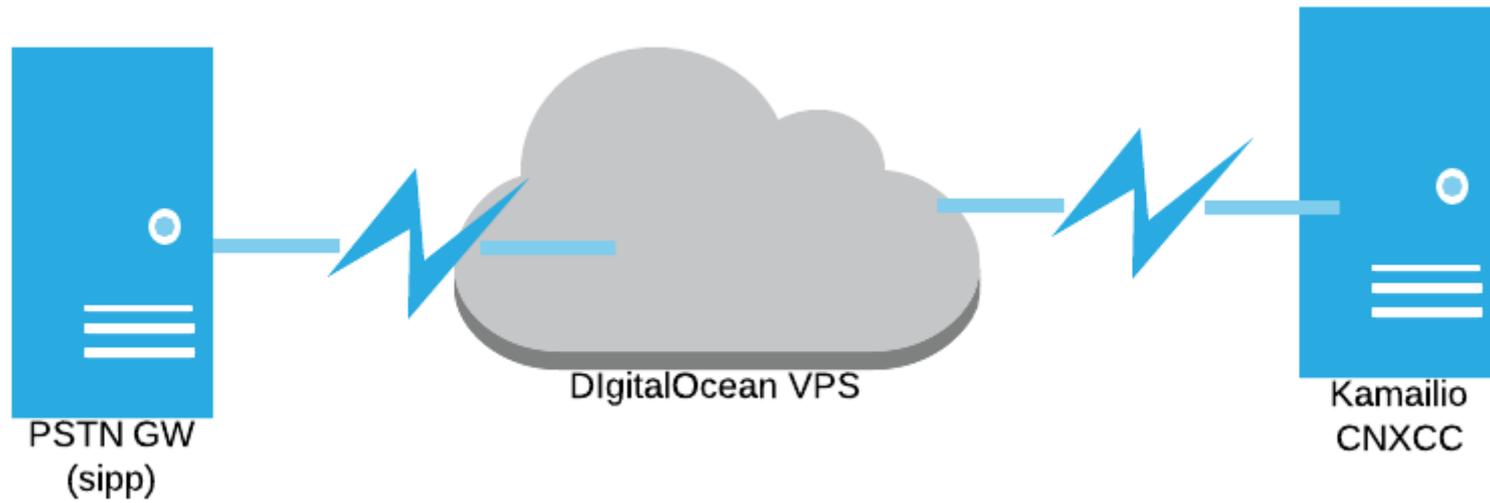
# Facts about the module

1. it uses the concept of pool of credit per user
2. it does not require any kind of database connection
3. it relies on the Dialog module
4. it is being used in production, in at least 4 mid-sized operators from Brazil and Paraguay
5. it was tested in a 120 cps production server, not a large number, but also not insignificant
6. special for companies with poor real-time billing capabilities

# What can I do with it?

1. set up a limit of credit
2. set up a limit of time
3. set up a limit of simultaneous calls
4. tear down calls from the web or from the console
5. create billing apps on top of it

# Testing environment



# Real World Examples

1. compiling and installing the module
2. basic configuration file
3. creating an AAA script for cnxcc, in Perl
4. setting up the script and module parameters

# Web and DB synchronization

1. Web interface overview
2. External script to synchronize database (using xmlrpc interface)

## Live demo ...



... going on right now, get the sources from:

**[github.com/caruidiaz/cnxcc-example](https://github.com/caruidiaz/cnxcc-example)**

# Ideas to improve the module

1. Distributed scenarios are a problem, maybe we could add Cassandra DB as basic storage and let Cassandra do the magic.
2. Maybe we can use memcache module to create an intelligent load balancer, and keep the same shared memory approach for storage.
3. Add Diameter CCA support? There's already a CdialogPeer project to use.
4. Improve the web interface.

# Thank you!

Questions?



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