greenbalance Documentation

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greenbalance is a simple TCP load balancer with round-robin and weighted random support built on `gevent` *and* `wr`.

CHAPTER

ONE

USAGE

Simple example; this will make the load balancer listen on port 8080 and use a custom configuration.

```
$ greenbalance --port 8080 --config /path/to/my.config
```

1.1 Arguments

Arguments accepted by the `greenbalance` command.

--version	Show program's version number and exit.
-h, --help	Show this help message and exit.
-H, --host	IP or Hostname.
-p, --port	Listening Port.
-c, --config	Configuration file.
-l, --logfile	Log File
-L, --loglevel	Log Level (debug, info, warning, error, critical)

1.2 greenbalance.conf

`greenbalance.conf` is by default placed in `/etc` if the package was intalled with root privileges. If you have the package installed in a virtualenv you will have to create a configuration file manually and pass it with the `--config` or `-c` argument.

```
[settings]
host = 0.0.0.0          # Bind to this (0.0.0.0 = all)
port = 3001             # Listening port.

[logging]
loglevel = debug
logfile = /var/log/greenbalance.log

[nodes]
backend1 3101 = 20      # will serve 20% of the requests.
192.168.100.7 3102 = 40  # will serve 40% of the requests.
localhost 3103 = 40     # will serve 40% of the requests.
```

CHAPTER

TWO

INSTALLATION

See below for OS-specific preparations.

Install *greenbalance* with:

```
sudo pip install greenbalance
```

2.1 Ubuntu

```
sudo apt-get install python-pip python-gevent; sudo pip install --upgrade pip
```

2.2 CentOS

Install `python-pip` and `python-gevent` from `epel`.

CHAPTER

THREE

DOCUMENTATION

Documentation is available at readthedocs.org

CHAPTER

FOUR

LICENSE

GPL

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