

# Configuring and starting the balancer



This functions are obsoleted and do not supported now. Please use [CDN](#) with [HAproxy](#), [AWS LB](#) or another load balancing tools

The balancer starts along with the instance of the server if the `load_balancing_enabled=true` parameter is set in the [flashphoner.properties](#) configuration file.

The balancer uses the [loadbalancing.xml](#) config during operation.

For correct operation of the balancer it is required that every instance correctly provided data about its load and calls via HTTP. A special HTTP URL is used for that: <http://192.168.1.5:8081/?action=stat>, where 192.168.1.5 is the IP address of the WCS server.

```
calls=0
committedMemory=1555361792
freePhysicalMemorySize=4702208
arch=amd64
availableProcessors=1
freeSwapSpaceSize=1018695680
maxFileDescriptorCount=20000
openFileDescriptorCount=70
processCpuLoad=0.00
systemCpuLoad=0.00
systemLoadAverage=0.95
totalPhysicalMemorySize=536870912
totalSwapSpaceSize=1077501952
```

Main parameters that are taken into account when choosing a server:

- calls (mode="FEWESTCALLS")
- systemCpuLoad (mode="LEAST\_LOADED\_NODE")

The rest of the returned information is supplemental and has no effect on the choice of a server during load balancing.

You can also create your own load balancer that will query servers and choose the most preferable one based, for example, on the nearest geo location.