

# Settings file loadbalancing.xml

## Warning

This function is obsoleted and is not supported now! Please use [HAProxy](#), [AWS LB](#) or another load balancing tools

This settings file is used if the load balancer is enabled by the `load_balancing_enabled=true` parameter in the `flashphoner.properties` file. See details [here](#)

Example 1. Configuring the load balancer:

```
<loadbalancer mode="FEWESTCALLS" randomize="false">
  <node id="1">
    <ip>192.168.1.11</ip>
  </node>
  <node id="2">
    <ip>192.168.1.12</ip>
  </node>
</loadbalancer>
```

Example 2: Configuring static CDN for rebroadcasting of a stream:

```
<loadbalancer mode="roundrobin" stream_distribution="webrtc">
  <node id="1">
    <ip>edge1.mydomain.com</ip>
    <wss>443</wss>
  </node>
  <node id="2">
    <ip>edge2.mydomain.com</ip>
    <wss>443</wss>
  </node>
</loadbalancer>
```

Parameters description:

| Element | Default value | Description |
|---------|---------------|-------------|
|         |               |             |

| Element             | Default value | Description                                                                                                                                                                                                                                                                                                   |
|---------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mode                | `FEWESTCALLS` | `FEWESTCALLS` - select the server with the least active calls. `RANDOM` - select the server at random. `ROUNDROBIN` - select servers consequentially one by one (used in case of [static CDN](../Streaming_video_CDN_functions/CDN_1.0.en.md)). `LESS_LOADED_NODE` - select the server with minimum CPU load. |
| randomize           | `false`       | If both servers do not have active calls and mode is set to `FEWESTCALLS`, the balancer will select the server at random if this parameter is set to `true`.                                                                                                                                                  |
| stream_distribution | `webrtc`      | Technology to use to rebroadcast the stream in case of [static CDN](../Streaming_video_CDN_functions/CDN_1.0.en.md)                                                                                                                                                                                           |
| node id             |               | WCS server numeric identifier                                                                                                                                                                                                                                                                                 |
| ip                  |               | IP address or FQDN of the WCS server that responds via HTTP and provides information about load and calls.                                                                                                                                                                                                    |
| wss                 |               | Port for data exchange via a Secure Websocket                                                                                                                                                                                                                                                                 |