

# Load and resource usage information

You can get information on load and resources of the WCS server via the port 8081 at this URL

```
http://test.flashphoner.com:8081/?action=stat
```

wheretest.flashphoner.com- is the actual address of the WCS server.

The information includes data on published and played streams, SIP calls and server specifications.

## Statistics parameters

Connection	Connections to the WCS server
connections	Overall number of connections
connections_rtmfp	Number of RTMFP connections (Flash)
connections_websocket	Number of WebSocket connections
Port	Ports listened by the WCS server
ports_sip	Number of listened UDP SIP ports
ports_media	Number of listened UDP media ports
ports_rtsp	Number of listened RTSP TCP ports
Stream	Audio and video stream sessions on the WCS server
streams_rtsp_in	Number of active RTSP sessions sending traffic
streams_rtsp_out	Number of active RTSP sessions receiving traffic
streams_websocket_out	Number of active streams played by WebSocket
streams_rtmp_out	Number of active RTMP streams
streams_webrtc_in	Number of active streams published via WebRTC
streams_webrtc_out	Number of active streams played via WebRTC
streams_rtmfp_in	Number of active streams published via RTMFP
streams_rtmfp_out	Number of active streams played via RTMFP
streams_viewers	Number of active clients playing published streams
Native resources	Information about resource usage
native_resources	Information about encoding/decoding of the media stream
Core	System parameters (obtained using Java methods) and parameters of the WCS server
core_threads	Number of active threads of the WCS server process
core_java_threads	Current number of live threads
core_java_committedMemory	Amount of guaranteed available virtual memory, in bytes
core_java_freePhysicalMemorySize	Amount of free physical memory, in bytes
core_java_arch	Operating system architecture
core_java_availableProcessors	Number of processors available for the Java virtual machine
core_java_freeSwapSpaceSize	Amount of free swap space, in bytes
core_java_maxFileDescriptorCount	Maximum number of file descriptors
core_java_open_file_descriptors	Number of file descriptors opened in the Java virtual machine
core_java_cpu_usage	"Recent CPU usage" for a process in the Java virtual machine
core_java_totalPhysicalMemorySize	Amount of physical memory, in bytes

core_java_totalSwapSpaceSize	Amount of swap space, in bytes
core_java_uptime	Uptime since Java virtual machine started, in milliseconds
core_heap_memory_used	Heap memory usage
core_rss_memory	Memory usage
core_open_file_descriptors	Number of opened file descriptors
core_cpu_usage	CPU time percentage used by processes
core_gc	Information about "garbage collecting"
core_gc_manager	Information about "garbage collecting" in the Manager
<b>Call</b>	<b>SIP calls on the WCS server</b>
sip_calls	Number of SIP calls
sip_calls_established	Number of active SIP calls
sip_calls_in	Number of incoming SIP calls
sip_calls_out	Number of outgoing SIP calls
sip_calls_per_second (cps)	Number of SIP calls per minute
<b>SIP</b>	
sip_registered	Number of client in the REGISTERED state
<b>Recording</b>	<b>Audio and video file recording</b>
recording_sessions	Number of active recording sessions
<b>System</b>	<b>system parameters</b>
system_java_cpu_usage	"Recent CPU usage" for the entire system (obtained using Java methods)
system_java_load_average	Average system load for the last minute (obtained using Java methods)
system_uptime	Uptime since starting of the Linux server
system_memory_total	Available RAM, in kilobytes
system_memory_free	Amount of physical RAM not used by the system, in kilobytes
system_cpu_usage	CPU time percentage used by the processes of the core
<b>Network Stats (Mbit/s)</b>	<b>Network traffic statistics</b>
global_bandwidth_in	Incoming connection channel bandwidth
global_bandwidth_out	Outgoing connection channel bandwidth
<b>Version info</b>	<b>WCS version info</b>
wcs_version	Current version of the WCS server
wcs_client_version	Current version of the WCS API
<b>Errors info</b>	<b>Error information (obtained based on caught Java exceptions)</b>
java.io.IOException	Number of IO errors
java.lang.ArrayIndexOutOfBoundsException	Number of array out of bounds errors
java.lang.IllegalArgumentException	Number of invalid function argument errors
com.flashphoner.server.license.activation.A.C	Number of errors while activating the license
java.lang.NullPointerException	Number of null pointer jump errors
<b>Degraded streams</b>	<b>Degraded streams information</b>
degraded_streams	Degraded streams quantity
degraded_streams_percent	Degraded streams percentage of total number of streams on server

Every parameter can be requested separately, for example:

```
http://test.flashphoner.com:8081/?action=stat&params=native_resources
```

System parameters can be excluded from full report using the following parameter in [flashphoner.properties](#) file:

```
parse_system_stats=false
```