

# Working with the server

- Architecture
  - Server core (WCS Core)
  - Manager module (WCS Manager)
  - Main commands
- Core settings
  - Settings file flashphoner.properties
  - Settings file loadbalancing.xml
  - Settings file log4j.properties
  - Settings file watchdog.properties
  - Settings file watchdog.log4j.properties
  - Settings file rtsp.auth
  - Key store wss.jks
  - File flashphoner.serverid
  - Certificate myflashphoner-ca
  - WCS.version
  - Settings file wcs-core.properties
  - SDP settings files
  - Settings file database.yml
- Manager settings
- SSL certificates management
  - Websocket SSL
  - REST HTTPS
  - Receiving and importing Let's Encrypt SSL certificate
- Logging
  - WCS Core logs
  - WCS Manager logs
  - Watchdog logs
- Monitoring
  - Using SSH tunnel
  - Connecting from JConsole
  - Connecting from Visual VM
  - Connecting from Java Mission Control
  - Watchdog availability checking system
  - Load and resource usage information
  - Information about errors and configuration parameters
  - Streams monitoring with web interface
  - Calls monitoring with web interface
  - System status monitoring with web interface
- Core command line interface
  - Using and accessing core command line
  - Complete list of core CLI commands
  - Public key authorization
  - Users management
  - Applications management
  - Server settings management
- Manager command line interface
  - Using and accessing manager command line
  - Complete list of manager CLI commands
  - Server shutdown and startup
- Network traffic analysis
  - Websocket
  - REST / HTTP
  - SIP
  - WebRTC
  - RTMFP
  - RTP
  - RTSP / RTP
  - RTMP
  - HLS
  - Inner RMI traffic
- Diagnostics and troubleshooting
  - Preparing an error report
  - Possible problems and how to solve them
  - Accessory tools
  - How to get license number
  - CPU load investigation
- Server tuning recommendations