

Mizu VOIP Server Setup

About

Mizu VOIP Server is a Class5 Softswitch application for the Microsoft Windows platforms.

Modules: SIP stack, H323 gateway/gatekeeper, SIP-H323 protocol converter, access roles, routing (BRS, LCR), failovering, load balancing, billing, accounting, CDR records, blacklist/whitelist filtering, callcenter, IVR, call recording, conferencing, media server, alerting, statistics generation

First Steps

1. Download software from <http://www.mizu-softphone.com>
2. Install MS SQL (optional)
3. Install VOIP Server
4. setup vserver.ini: add your database here (ip, port, username, password)
5. Start MS SQL
6. for a quick setup, launch MizuManage -> Settings Menu -> Quick Setup (setup basic configuration: the ip address is a must)
7. add your outbound routes and traffic senders: MizuManage -> Access -> Users and devices -> Sip Proxy and Traffic Senders
8. add users: MizuManage -> Access -> Users and devices -> Power User, Enduser
9. setup routing: MizuManage -> Routing (create a pattern and add a sip proxy in it)
10. fine-tune other settings: billing, blacklists, etc
11. start the VOIP server (start.bat or from Services)

Download

Download the server install package from the MizuTech webpage:

Install package with embedded MS SQL Express:

http://www.mizu-softphone.com/Portals/0/Files/MizuServer_Setup_WithSQL.exe

Install package without database engine (you must have MS SQL installed):

http://www.mizu-softphone.com/Portals/0/Files/MizuServer_Setup_NoSQL.exe

We recommend the full version if MS SQL (2000,2005 or 2008) and Windows server 2003 or 2008 in commercial deployment with at least 2 CPU core, 2 GB RAM and 250 GB HDD (more if you need full log level and voice recording)

Admin software: http://www.mizu-softphone.com/Portals/0/Files/MizuManagement_Setup.exe

A detailed documentation can be downloaded from http://www.mizu-softphone.com/Portals/0/MizuServer_AdminGuide.pdf

Install

Make sure that you have a running MS SQL engine before to start the small install package.

We recommend changing the default MS SQL port if you are running it on public IP. Mizu software is using port 2223 by default.

By executing the install package, all files are extracted in the install directory that you have specified. Mizu Server doesn't copy anything in your system directory.

The main executable (vserver.exe by default) is registered as a windows service (vserver.exe /install)

It is recommended to enable the windows standard firewall, and enable only the required application (vserver.exe, sqlsrv.exe)

Other firewall or antivirus software is not recommended. The Mizu server already has built-in SIP firewall and DOS attack protection.

To speed up your deployment, you can install the Mizu Service and the MS SQL engine in different hardware. The Mizu Server can take advantage from up to 32 CPU core.

Follow the MS SQL best practices to further optimize SQL query speed.

Backup

All data is stored in the database, so you have to make sure that you always have a working backup for it. A nightly backup to some other PC on the LAN is an affordable solution for this.

You can setup scheduled backup or (nearly) real time log shipping from SQL Server Management Studio or alternatively the Mizu Server can schedule your backups (see the detailed documentation)

In this way, you can always have a hot backup server in case if your active server fails.

To clone a VOIP server, just backup its database and restore it on your new server. Also install the VoIP server (or copy the old directory) and make sure that your vserver.ini point to the new database.

The only setting that must be changed is the local IP global config option.

For details, please consult the Admin Guide.

For more help, contact support@mizutech.hu