

Cloning Mizu VOIP Server

Step by step guide to clone/install Mizu VoIP server

To create a new VoIP server, basically you just have to copy the application files, and the database, and change a few settings. You can use this guide also to create a new “virtual” server on the same box. In this case make sure that the new server will listen on different ip (bindip) or ports (localport, etc)

The mizu VoIP server has two important “part”:

-The application files: these can be easily moved to any other location because there are no dependencies (no registry settings, etc). Just copy the whole directory (except the log files named *log.dat)

The mserver.exe and the MizuWebService.exe are running as NT services. After you move the files to the new location, you have to register them as windows services by just running them with the –install parameter.

-The database: MS-SQL (free or full version is required). This is downloadable from the Mizutech website or from Microsoft.

All data is stored in the sql database. To move it to a new location, you just have to make a backup on your old server, and then restore it on the new server.

Then you will have to change the [database] section in the ini file near the mserver.exe in the application directory.

The application and the database can be placed on different servers to improve the service performance.

The required steps are explained in more details below:

1. Backup the current database [on the old server]

- Launch “sql server management studio” (if you don’t already have this tool, than you can download it from [here](#) or [here](#)) (the old password can be found in the mizuserver.ini file near the service executable)
- Right click on your database and select tasks->backup
- On the “Destination” section click on “remove” if something is already there and then click “add” and select the path for the backup file.
- Click ok
- Copy the database backup to the new server (using shared folders or FTP for example)

2. Install ms-sql server [on the new server]

- Download the full or express edition from <http://www.microsoft.com/express/sql/download/>
- You can also download <http://www.mizu-voip.com/Portals/0/Files/MizuVoIPServer.exe> . This package contains the ms-sql express database.
- During install, select “mixed” authentication mode and enter a password for the “sa” user. After install, launch the “sql server configuration manager”, enable TCP/IP on port 1433.

3. Copy all files from the “MizuVoIPServer” directory to the new location

- Default directory is C:\Program Files\MizuVoIPServer
- Don’t copy the log files (log_date_vservdebuglog.dat files)
- Change the database access in the mizuserver.ini under the [database] section.

Example:

```
[database]
location=192.168.0.2
port=1433
name=mserver
username=sa
password=xxxxx
```

4. Create a new database [on the new server]

- Launch “sql management console”
- Right click on databases and select “new database”
- Type any name (for example “mserver”)

- You can optimize the workload by selecting different hard disk for the data and the log files
- On the options page -> recovery model: select "simple"
- Click on ok

5. Windows firewall configuration [on the new server]

- Enable sqlsrv.exe mserver.exe on the windows firewall if you are using it
- Additionally you might have to enable also the following executables: atarongk.exe (if you are using H.323), vsip.exe (if you are using SIP to H.323 conversion), mserverftp.exe (if you need to listen for the recorded voices using a remote MManage)

If you have a port based firewall, you will need to enable the SIP signaling ports (localport and alternatelocalport config options; defaults to 5060), the SIP media port range (MinRTP and MaxRTP config options), H323 signaling and media ports (1720 and dynamic UDP). For remote administration you will need at least the database port (1433 by default) and optionally the console and monitor TCP ports.

6. Restore the database [on the new server]

- Launch "sql management console"
- Right click on your database and select tasks->restore->database
- In the "source for restore" section select "from device" then select the backup file
- Check the checkbox
- On the options page check the "overwrite..." checkbox
- In the "restore the database file as" section -> restore as column select the already existing data and log files.
- Click on ok

7. Install the remote management application [on the new server]

- Launch the MizuManagement_Setup.exe setup package

8. Server configuration [on the new server]

- The most important configuration is the new IP address
- Launch the MizuManage application
- Open Other->configuration
- Type "LocalIP" in the search box
- Rewrite the "Value" to the new IP

9. Reset the database [on the new server]

- This step is optional and will delete your users, cdr records and server configuration. Use it only for new server instances (not for cloning)
- To have a clean install, you can just delete the content of the database tables.
- You can do it from MizuManage -> Tools menu ->Server Setup -> Clean Database Tables

10. Install and start the service [on the new server]

- To install the service you just have to launch the server with the "/install" parameter.
- Launch the command prompt (start menu -> run -> type "cmd")
- Enter path\mserver.exe \install
- A dialog box must appear to confirm the successful registration
- You should see it under the services (start menu -> administrative tools -> services) and you can start it.
- To stop/start the server you can also use the "stop.bat"/"start.bat" file from the application directory
- Make sure you have a proper license also for the new server. Contact [mizutech support](#) for this.