Mizu VoIP Server Integration Guide

The Mizutech VoIP server can be integrated into your existing infrastructure in many ways. This document summarizes the various possibilities.

Install

Binaries

In case if you wish to send a package to your customers, you can easily integrate the VoIP server installer into your own. Use the /SILENT and /SUPPRESSMSGBOXES options to make it silent. Alternatively you can just xcopy the files and install the mserver as a service with the /install switch. More details in the VoIP server install guide.

Database

The VoIP server uses its internal compact or full database by default. However you can use any MS SQL database by just specifying the connection parameters in the mserver.ini file. For duplication or backup please read the details in the VoIP server cloning guide.

Database access

You have full access to the database where the VoIP server stores all data including users, settings and CDR's. Tasks like add/delete/edit users or displaying various statistics are the easier to be done by directly querying the database. For the details please check the VoIP database guide.

Data

Since all data is stored in database (except the database connectivity settings) you can easily export or import any data in various formats. For this you can use the SQL Management studio or the "Export/Import" tool from MizuManage, File menu.

API

The Mizutech server has a flexible API to perform various tasks and commands.
Please see the VoIP server API for the details.

CLI

Encrypted CLI access is enabled by default and it can be used from the MManage "Server Console" form.
All API commands are available also via the CLI.
The service is also listening for CLI access on port defined by the adminport config. You can use any admin or support user credential to login.
Console access can be restricted by the remoteadmin global config option: 0: disable, 1: localhost/127.0.0.1, 2: same machine, 3: trusted sources, 4: local LAN and subnet, 5: everywhere (default)

External authentication/routing and billing

If you already have a database or an API to manage the users, you can easily integrate it. Please see the "External service, database or API" FAQ in the VoIP server documentation for the configuration options. RADIUS and LDAP can be also integrated.

Payments

The VoIP server by default can use PayPal for user payments, however you can also add your own payment processor. Please check the "Payments" section in the VoIP server documentation. You can also access the database directly or use the API to modify the credit of the users.

Collaboration with external applications

From the "Scripts", "IVR" and from the "ScheduledTasks" you can use any external process, services and API's for various tasks. Among the binaries you can find various useful applications such as a monitoring app and a service supervisor app (MServiceHost).

VoIP and related protocols

The Mizu VoIP server is compatible with all the important SIP, H.323 and WebRTC standards. You can easily add it into any existing VoIP infrastructure including gateways, proxies or load balancers. Use any third-party service for DID, email, SMS and FAX routing.

Web

As a user control panel, you can integrate the Mizutech enduser portal into your website or create your own from scratch using the database and http API mentioned above. See the webportal integration wiki for more details.

VoIP clients

VoIP apps can be customized/branded after your requests. Customized softphones can be built by Mizutech with many built-in options or extra customization can be added to consume your HTTP API.

Webphone

You can enable call from browsers by using our pre-customized webphone.

Others

There is a few other ways to integrate the Mizutech services with third party applications or services not listed here. For example by default it works well with any existing SMS service providers. For more details check the Admin Guide, documentations or contact mizutech support.