MONGOOSEIM

MONGOOSEIM

HIGHLY SCALABLE, REALTIME MESSAGING SERVER

MongooseIM is a realtime, highly scalable messaging server that allows app builders, startups, and Fortune 500 companies to build cost-effective communication solutions. It is designed for businesses facing the challenges of large deployments, where real-time communication and user experience are critical, as well as, acquisition, retention, and referral stakes are high.

MongooseIM helps high-growth businesses bring entertainment, new technologies, emergency services, personal and professional communication to hundreds of thousands of users, assuring:

+ FAST TIME-TO-MARKET
+ EASE OF DEPLOYMENT
+ RISK REDUCTION
+ TRANSPARENT CLUSTERING

+ HIGH-SPEED & SECURE MESSAGING
+ MASSIVE SCALABILITY & FAULT-TOLERANCE
+ END TO END ENCRYPTION READINESS
+ INDUSTRY & OPEN STANDARDS

Erlang
SOLUTIONS

ENTERPRISE FRIENDLY

MongooseIM provides an enterprise-friendly toolbox everyone can use. With several features, such as PKI support, LDAP integration, and a wide range of metrics, you can easily connect your users to our platform and integrate MongooseIM with your existing architecture or user directory service.

SECURITY

Encrypted connections and user data protection are must-haves in the modern IT industry. In order to meet these requirements, all incoming and outgoing connections (including database and node to node traffic) are secured within MongooseIM, completely halting eavesdropping on any data.

MongooseIM supports FIPS-140 (Federal Information Processing Standards), ensuring the data of all users is safeguarded with a governmental standard cryptographic module. What is more, your application may make use of security certificates by being a part of a trust chain in a full-fledged PKI (Public Key Infrastructure) when using regular XMPP, BOSH or WebSocket connections. MongooseIM provides all the necessary facilities for end-to-end encryption, ensuring a high level of privacy for all users.

OPEN SOURCE & OPEN STANDARDS

MongooseIM is an entirely open source and open standard technology that provides flawless communication for millions of online users. Due to its clean and modular design, MongooseIM integrates easily with pre-existing solutions within your technology stack. It offers sophisticated features such as support for push notifications, metrics, and message archive management off-the-shelf, helping developers build mobile applications expected by users today.

POWERED BY PROVEN TECHNOLOGIES

MongooseIM is built around proven technologies such as XMPP, WebSockets, HTTP long-polling (BOSH) and Erlang, providing high performance, high availability, ease of deployment and development, as well as, reliability in production. All messaging features are available using the XMPP protocol. XMPP is an open standard protocol, backed by both the XMPP Standards Foundation (XSF) and the Internet Engineering Task Force (IETF). It offers high flexibility and outstanding extensibility.

CUSTOMISATION

The MongooseIM team provides the expertise on building, scaling and customising messaging platforms. Get in touch to find out more about our subscription plans:
t: +44 (0) 2074 561020
e: general@erlang-solutions.com
w: www.erlang-solutions.com/mongooseim

INBOX

A conversation list is one of the most iconic home screens for every chat application. With MongooseIM inbox, users can see the number of unread messages at a glance, as well as, load conversation histories onto new devices. In addition, the inbox can be bundled with our push notification service providing a user experience that is expected of contemporary messaging applications.

GROUP CHAT

Group chat offers two options to choose from. For most installations, you can simply use Multi-User Chat (MUC), a legacy, multi-party, real-time communications channel. You can also take advantage of MongooseIM new and open "MUC light" that is an answer to modern market needs and challenges, allowing much simpler group chats.

PUSH NOTIFICATIONS

The latest edition of MongoosePush enables push notifications to iOS and Android devices, using APNS (Apple Push Notifications System) and FCM (Google's Firebase Cloud Messaging).

REST API

This client-side and administrative server-side REST API interface to the MongooseIM platform was built by removing all the complexities of XMPP and by switching from XML to JSON.

MASSIVE CLUSTER SCALABILITY

The cluster can be grown and scaled according to traffic profiles and the user base. This guarantees that any additional hardware requirements will be modest. MongooseIM is highly efficient in memory and CPU consumption.

GLOBAL DISTRIBUTION

A unique feature that allows transparent messaging between data centers and free user migration between them. An excellent replacement for classic XMPP Federation, especially for big applications.

DevOps FRIENDLY

MongooseIM offers powerful metrics and monitoring infrastructure that greatly improves DevOps' visibility for managing systems, regardless of the size of the installation. MongooseIM provides technical metrics as well as business metrics.

MOBILE-READY

MongooseIM is mobile-first, and multi-device by default, offering real-time messaging as well as persistent storage of message archives. Various extensions increase reliability and simplify connectivity in constrained devices and networks.

CONFIGURABLE DATABASE

For persistent data, you can choose from MySQL, PostgreSQL, and any other ODBC-compliant databases (such as Microsoft SQL). MongooseIM supports Riak KV, the NoSQL cluster key-value store, ElasticSearch, and Cassandra. For transient data, Mnesia and Redis are supported out of the box.

PRE-BUILT IMAGES & PACKAGES

An availability of Docker images and Ubuntu, Debian and RHEL packages means that developers with no Erlang expertise can deploy MongooseIM with one command in only 5 minutes.

MONGOOSEPUSH

MongoosePush is a part of MongooseIM. It enables efficient and convenient integration with two major push notifications operators: Apple and Google. A single piece of software, that will handle information delivery to a proper destination - your developers won't need to worry if a particular user uses an iPhone or an Android phone. MongooseIM integrates seamlessly with MongoosePush.

MONGOOSEICE

This is another application in the MongooseIM that complements its messaging capabilities. MongooseICE is a STUN/TURN/ICE server that helps developers and administrators write and deploy apps with real-time voice and video. With MongooseICE you can stream binary data over networks with firewalls and proxies.

MONGOOSEIM AND OTHER PRODUCTS

IIn addition to MongooseIM and consultancy services, Erlang Solutions also develops and provides support for a number of other Erlang infused products:

RABBITMQ

An open source message broker software that implements the Advanced Message Queuing Protocol (AMQP). It enables MongooseIM to pass messages to other back-end components in your infrastructure, such as chat messages, push notifications, and server logs.

WOMBATOAM

An operations and maintenance framework for Erlang and Elixir based systems compatible out of the box with MongooseIM. It provides complete visibility over your system and helps you immediately address and fix problems via monitoring alarms and notifications.

RIAK

In contrast to traditional relational databases and other NoSQL databases, Riak is built in Erlang, giving it enormous availability, replication and monitoring. Designed for highly distributed deployments, Riak KV works perfectly with even non-standard MongooseIM installations.

ABOUT US

www.erlang-solutions.com
general@erlang-solutions.com
+44 (0) 20 7456 1020

We help keep our client's businesses moving.
From startups to Fortune 500 companies our technical know-how is the backbone to their operations. We develop and build trusted, fault tolerant systems that can scale to billions of users.

Founded in 1999 soon after Erlang was released as open source. We specialise in providing businesses with truly scalable solutions through the creation, integration, delivery and lifetime support of products and services based on the Erlang programming language. Our HQ are in London and our team has worked with over 300 clients from our offices in Stockholm, Krakow, Budapest, San Francisco and New York.

SERVICES End-To-End Solutions | Consulting | Support | Development | Training
PRODUCTS Riak | RabbitMQ | WombatOAM | MongooseIM
INDUSTRIES Online Gambling & Betting | Telecoms | Fintech | IoT | Gaming | Blockchain
EVENTS Erlang & Elixir Factory | Erlang User Conference | Code Mesh | ElixirConf | Elixir.LDN
COMMUNITY Development | Education | Support | Research | Recruitment