



# LiveEngine

Rich Multimedia Services for any application

## Just add UI.

LiveEngine is a desktop component that provides VoIP, Instant Messaging and presence client for any web application or portal as well as for native Windows application. You can implement your own user interface using HTML and Javascript, or any .NET language. The current application can also retain its existing user interfaces, contact lists or any other existing information - Integration is easy and you can manage and modify your service when ever you like.

## Example.

*Web-based e-mail service can be upgraded by integrating Icecom LiveEngine into the webmail. With LiveEngine, it is possible easily to attach presence information, Instant Messages, IP-to-IP calls and IP-to-PSTN calls into the webmail service that your customers currently use. You simply add new communication layers and features by using Javascript in order to plug-in and benefit from the new IP-services.*

## Yet another phone client? Actually no.

LiveEngine fits in any application (web or native) that wishes to provide the converged communications. It runs on open standards and interoperates with any 3rd party SIP elements. Although it provides Voice over IP (VoIP) over SIP, video communications, it also provides simple but very detailed control over presence (IETF SIMPLE) and instant messaging services.

## Plug and play.

LiveEngine provides simple but sophisticated Application Programmer's Interface for rapid integration using Javascript or applications using Microsoft .NET platform, or native code. It is shipped with clear and detailed example implementations of web page integration and also for building rich .NET applications. When deployed with the native applications, LiveEngine component can be integrated with your installer.

## Zero configuration.

Deploying rich client services with LiveEngine is no-brainer. On web client implementations, the web page has full control over the LiveEngine platform. Use regular practices to build the user interface to your web application and you have personalized or common settings for the end user. When integrated to native clients, it is your call to manage the user settings as you like.

## Benefits.

### Scalable solution for Rich Communication

You can use just one solution to produce services for several application like web- and outlook.

### Time-to-market

You can implement you own visions of future communication. You are not limited to your Client solution provider when executing your visions.

### New Business

With Icecom LiveEngine you can widen you service portfolio with telecom services and create a unique service for your customers.

## Cold facts.

LiveEngine provides built-in engines of the latest technology standards: IETF SIP (RFC3261) protocol stack, high-quality audio codecs (G.711u/a, iLBC, also Speex in the future), Presence services (IETF SIMPLE), HTTP proxy functionality and built-in sandboxing model for serving multiple clients concurrently. LiveEngine works with any web browser that supports standard Javascript. It is not dependent on 3rd party technologies, such as ActiveX or Java runtime.

- Supported operating systems
  - o Windows XP
  - o Windows 2000
- Registration and SIP signalling according to RFC3261
- RFC3581 methods are applied for NAT traversal in SIP signalling
- Audio calls
  - o Supporting codecs
    - AMR (additional commercial license)
    - G.711 a-law
    - G.711 u-law
    - iLBC
  - o RTP is used for media transport

## Additional services.

Icecom offers you:

- 1.) Professional Services in SIP consultation or in creating turn-key solution on top of Icecom products for dedicated customer need.
- 2.) Support and maintenance. Support level can be adapted to your business demands, as basic- or premium-level. Maintenance consists of software upgrades to keep your solution in state-of-art level.

- Instant message sending and receiving
  - o Instant message sending, according to RFC3428
- Presence services
  - o Publication of presence info, according to RFC3903
- Draft 08 ICE-methodology for NAT traversal

