



PresenceEngine

Connects your service to success

Is your communication Online?

In IP-communication online information is everything, without it its just wild guessing if your Instant Messaging or VoIP call reaches the destination. Icecom PresenceEngine is a server product that provides your network presence services with extended information. You can utilise the information to any SIP SIMPLE client or read contacts' presence statuses directly from API interface with XML-RPC from another application.

All-can-do application server? Actually no.

PresenceEngine is a J2EE architecture based server what follows SIP SIMPLE standards. It has been designed for high performance availability and performance in presence functions and to keep your network topology modular and effective. It also supports XCAP standards for presence policy management and RLS (Resource list server) for contact list synchronisation. If you need presence-aware Instant Messaging or conferencing services, we can offer another solution for you.

Scalability.

You can easily scale up when your business grows. PresenceEngine licensing is server based and you can cluster them when you need more performance. Solution runs on PC-hardware and is distributable to multiple network locations to meet high availability demands.

SIMPLE as that.

PresenceEngine runs on open standards and interoperates with any 3rd party SIP server elements. It has an internal database for storage of user specific parameters. In implementation there is no need to import any information to this database, since clients are transferring all data when first time attached to the server. XCAP module utilises several methods to secure user integrity regarding XCAP policy management. User authentication can be collaborated with existing user database by using radius query, direct DB authentication or direct HTTP digest from the module. Just route presence related traffic from your proxy to PresenceEngine and use any method for XCAP authentication - could it be easier?

Benefits of the PresenceEngine.

Makes your CoIP fly

Presence services gives extra value for your communications, since it brings real-time availability information into your services.

Scales to your future needs

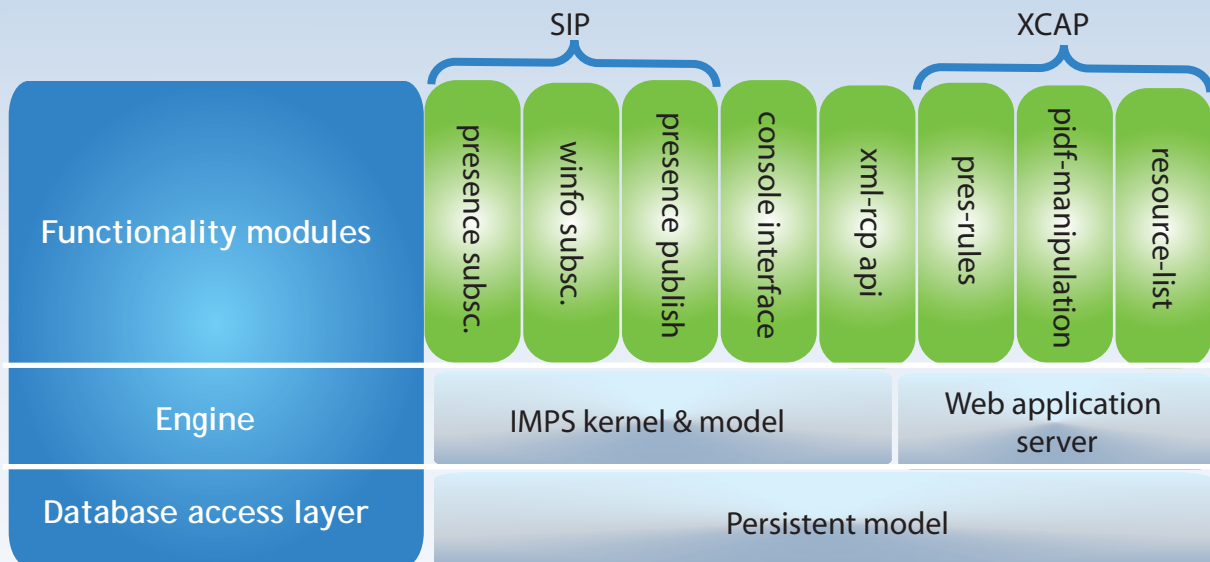
Solution follows Industry standards and suits perfectly Pre-IMS networks and is easily integrated to IMS. Wait no more, the future communications are already here!

Additional Services.

Icecom offers you

1.) Professional Services in SIP consultation or in creating a turn-key solution on top of the Icecom products for specific customer needs.

2.) Support and maintenance. The support level can be adapted to your business demands, as basic- or premium-level. Maintenance consists of software upgrades to keep your solution in a state-of-the-art level.



The cold facts.

- Implementation in J2EE-architecture
- A Model for Presence and Instant Messaging (RFC 2778)
- Session Initiation Protocol (RFC 3261)
- The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)
- (draft-ietf-simple-xcap-08)
- Session Initiation Protocol (SIP)-Specific Event Notification (RFC 3265)
- A Presence Event Package for the Session Initiation Protocol (SIP) (RFC 3856)
- Presence Information Data Format (PIDF)(RFC 3863)
- A Data Model for Presence (RFC 4479)
- User Agent Capability Extension to Presence Information Data Format (PIDF)
- (draft-ietf-simple-prescaps-ext-07)
- Session Initiation Protocol (SIP) Extension for Event State Publication (RFC 3903)
- A Data Model for Presence (RFC 4479)
- A Watcher Information Event Template-Package for the Session Initiation Protocol (SIP) (RFC 3857)
- An Extensible Markup Language (XML) Based Format for Watcher Information (RFC 3858)

- Presence Authorization Rules
- (draft-ietf-simple-presence-rules-04)
- A Document Format for Expressing Privacy Preferences
- (draft-ietf-geopriv-common-policy-06.txt)
- Extensible Markup Language (XML) Formats for Representing Resource Lists
- (draft-ietf-simple-xcap-list-usage-05)
- An Extensible Markup Language (XML) Configuration Access Protocol (XCAP) Usage for Manipulating Presence Document Contents
- (draft-ietf-simple-xcap-pidf-manipulationusage-)

Performance figures.

Server setup:

Xeon 5110 1.6GHz/4MB 1066FSB 4GB FB 533MHz
Memory (4x1GB dual rank DIMMs)

With the above specified HW, the PresenceEngine can serve up to 150 SIP transactions per second.

An example calculation could be:

Subscription interval: 3 600 seconds

Online users: 25 000

Each user has 10 contacts in a buddy list