

Your online computer

– Your friends, files and digital life on any device

Xcerion delivers the CloudMe.com consumer service (with over 550 000 users world-wide from 170 countries). The CloudMe online computer (formerly known as iCloud) is the cloud computer for consumers, an online media and file server for streaming and sharing. It enables ubiquitous computing reaching out with connectivity to all kinds of devices.



With the CloudMe ubiquitous Cloud Convergence platform all devices can be connected.

Sonos Music Service – Thesis Description

The CloudMe service have many different clients; A virtual desktop, iPhone app, Android app, Easy Upload that installs on Windows, Mac and Linux and WebDAV. All these different clients use a set of public web services API's exposed as a Service Oriented Architecture (SOA). These back-end server API's of CloudMe (currently over 100 state-less XML Web Service / REST API's) expose the core functionality of the service to these clients.

The main objective of this thesis is to make CloudMe available as a streaming music service from any Sonos wireless hifi system. Today Sonos support services like Spotify and WiMP, but with the addition of CloudMe, all your own private music could also be available through a Sonos player without the need of having a computer turned on. CloudMe is always on and is a much more natural way of accessing your music library on a Sonos player. The Sonos Music API should be used to access and communicate with CloudMe's server API's. Since Sonos use SOAP / XML Web Services to communicate, the Sonos SOAP calls (in total 12 methods) needs to be translated into CloudMe SOAP calls compatible with the CloudMe API

<http://blog.sonos.com/news/introducing-sonos-labs/>

All documentation will be done in English and applicant must be fluent in English writing. The applicant must be very structured and have previous knowledge of Java and/or C++ programming. Prior knowledge of XML and/or XML Web Services is a plus.

This work is suitable for a bachelor or master thesis (depth of work can be adapted).

All work will be done from the Xcerion main office at Drottninggatan 23, Linköping.

Additional Thesis Work

Xcerion might have more thesis work if students are interested.

Contact

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