

Biweekly report nº 3

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Thesis: Video-on-Demand system for IPTV

➔ Objectives

- Choose a web services framework that uses C++ interface and get acquainted with SOAP procedures and Security implementations.
- Implement the main interface's database.
- Implement the server's main interface and streaming server interaction.

➔ Finished tasks

- The WSF/C++ (Web Services Framework) from the WSO (Web Services OxygenTank) group was chosen to build the system web services. This provides SOAP and REST capabilities. In terms of security one can use WS-Addressing and WS-Security with this framework, useful to implement SSL security and signature.
- The main interface's database was constructed.
- A main interface and the streaming server interaction is built in a SSL transport. The media server works as a SSL server while the main interface works as a client.

➔ Difficulties

- The WSF is a big framework mainly because it has a lot of useful characteristics proving to be difficult to handle in the first few days. This difficulties were found during the installation process only.

➔ Next tasks

- Implement the server's main interface web services