Biweekly report nº 5
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Thesis: Video-on-Demand system for IPTV

➡ Objectives

- Implement the remaining services: admin.getStatistics() and do a brief debugging,
  testing faulty usage situations.
- Update the SRS document.
- Start building the administration's interface with PHP Web Services Framework (WSF/PHP).

➡ Finished tasks

- The main interface operations were completed, with the finalization of the getStatistics implementation and the creation of a new operation addMediaSessionAccess. This provides inclusion in the Live555 Media Server of users information from the main interface Database. The statistics were created with an opensource C library called libstatgrab.
- An Html5 web-page with CSS3 style sheet was designed for the administration's interface use. At the moment of writing this report the following operations were working with the aid of the WSDL description file: getUsers(), createClient(), getContentList(), getContent().
- Some modifications add to be done to the WSDL especially in the Types and Messages section. All messages elements were created as complexTypes. Some needed elements were added to the database and the Content info like the image url and the rating.
- To provide a real working environment an Apache WebServer was used. Some security issues were addressed to increase security. First the Url location was forbidden access to anyone but the user listed in a htpasswd file. The same Url can only be accessed as HTTPS to provide extra security in communications.

➡ Difficulties

- Some minor bugs where discovered in the WSF/PHP source regarding the WSDL file serialization/deserialization and Skeletons creation. These were overcome.

➡ Next tasks

- Finish the Administration's interface.