



## Study project (equiv. "Studienarbeit")

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<b>Title</b>	Study Project in Multimedia Database Systems
<b>Subject</b>	Comparison of multimedia servers available on nowadays market - hardware and software.
<b>Background</b>	<p>Worldwide entertainment and television companies as well as regional broadcasters are interested in effective and cheap solution of providing high-quality audio-video to common people, thus many big IT companies deal with this problem. In order to achieve efficient access to audio-video storage some of them have introduced physical solutions called audio-video servers, which include hardware as well as software. They are mainly applied in video-on-demand and telelearning.</p> <p>The main characteristics of multimedia server are high througput storage and network system, dealing with the high amount of data, load balancing and clustering. The quality-of-service support is also very imporant, but there is no existing solution that mets common user expectations.</p> <p>This study project could be helpful for the RETAVIC project (<a href="http://www6.informatik.uni-erlangen.de/retavic/">http://www6.informatik.uni-erlangen.de/retavic/</a>).</p>
<b>Tasks</b>	<p>Search the multimedia server implementations available on the today's market. Compare them in many factors i.e.:</p> <ul style="list-style-type: none"><li>- abilities of the product - supported protocols and AV formats, compatibility and cooperability, portability, controlling, management, monitoring, quality-of-service assurance</li><li>- requirements - what kind of system is required? what kind of environment (network, storage systems) should be set up?</li></ul> <p>General summary of advantages and disadvantages of all considered solutions is required.</p>
<b>Requirements</b>	<ul style="list-style-type: none"><li>- good knowledge of English</li><li>- interest in multimedia area</li></ul>
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