

Open Information Systems - Serbian Enterprises Standing and Perspectives

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Open information systems are based on client-server architecture which makes the environment of distributed data processing. In such an environment application may be developed on one platform, execute on the other one, while data may be stored on the third type of platform if it is necessary. Enterprises which implement open systems satisfy one very important requirement needed for potential improvement of those systems, and that is that present choice of hardware and software products does not limit future choice, when better and improved products appear. However, these systems implementation is not a simple one at all, and that is to be shown in this paper on the example of Serbian and foreign enterprises.

In the paper are given empirical researches results which refer to open systems concept implementation in Serbian enterprises. Practical instructions for this concept implementation are given in the paper as well. Researches show that the concept of open systems which are to be distributed, transparent and interoperable ones is not realized. Our enterprises information systems may be said to be nonflexible, nonmodulated and with limited possibility of combining and adapting various products of information technology made by a lot of producers. They are still directed towards classical data processing, while support to user cooperation, resources distribution and communication are completely neglected.

30 enterprises, mostly social ones (29 social and 1 private enterprise) are dealt with in this research. 20 enterprises are taken from the production sector and 10 from nonproduction. Producing enterprises are taken from different industries: food-processing industry, tobacco industry, textile industry, rubber industry, chemical industry, mechanical industry and electronic industry. As for non-producing enterprises 6 banks are involved in the research, 3 public enterprises and 1 commercial enterprise. Data are collected by personal interview method. It was a nonstructured interview with the information function executives, and it consisted of questions, which referred to hardware, software and cadre basis of information function, as well as data organizing in our enterprises.