

RESTful multilayer architectures for Web-based learning systems

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ABSTRACT.

This paper refers to important aspects of the evolution of Web-based Learning Systems architecture, according to the evolution of the Web itself. The Web developed through creation of new levels of abstracting, while a special importance to scalability and adaptability was given. Due to a growing importance given to resource-oriented Web services, in the last years, we bring into discussion the principle of organizing the algorithmic resources in multi-level hierarchy and the principle of uniform access to resources. Finally, in order to implement these principles, the author promotes an architectural model of Web applications, called here RESTful Multilayer Architecture.

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