The goal of this paper is to examine the issue of the semantic web and LO in ALS to assemble and generate, from a repository of LO, a course adapted to the needs, according to goals and preferences of a given learner. This objective is a part of the current work we undertake in the project ALS-PL (Adaptive Learning Systems for the Programming Language). What interest us
more particularly in this paper is the question of the LOs and the granularity of the contents for a reuse and an efficient search. We are also interested in the impact of the semantics by taking into account educational standards, in order to elaborate a semantic model of the Los, and therefore an educational semantic Web.

**Reference**

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**Index Terms**

Computer Science

Security

**Key words**

Educational semantic Web

Learning object

Standards

Ontologie

Semantic model of the teaching grains

ALS-PL