Visualization of the Web Service Selection

Due to the increasing number of Web services offering similar functionalities; non-functional properties have become essential criteria to visualizing the selection process of services. This talk presents Formal Concept Analysis to manage Web services and generate the concept lattice describing the relationship between them. The concept lattice is able to highlight hierarchy relationships and, in general, to identify commonalities and differences between services. We demonstrate how to express the relationship between Web services using concept lattice effectively and develop algorithms to retrieve Web services accurately in the lattices.