



Semantic Web mechanisms in Cloud Environment

By Saeed Haddadi Makhssous

LAP Lambert Academic Publishing Dez 2014, 2014. Taschenbuch. Book Condition: Neu. 220x150x4 mm. Neuware - The Semantic Web mechanisms in Cloud Environment is about re-implementing of Virtual Private Ontology Server (VPOS); a middleware software with focus on ontologies. VPOS is offering a smart way to its users how to access relevant parts of ontology according to their context. The user context can be expertise level, experience level, or job position in a hierarchy structure. Instead of having numerous numbers of ontologies associated to different user contexts, VPOS keeps only one ontology but offers sub-ontologies to users on the basis of their context. VPOS has issues regarding scalability and maintainability which are addressed within this book, first by upgrading the architecture of application using Apache Jena framework to address scalability issue and then moving to SAP HANA cloud addressing maintainability issues. The final production of the project would be Cloud-VPOS which is an application made to deal with semantic web mechanisms and function over cloud platform. Cloud-VPOS would be an application where semantic web meets cloud computing by employing semantic web mechanisms as cloud services. 72 pp. Englisch.



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