Named Graphs. Enabling Provenance and Digital Signatures in RDF

By Jonas Weber

GRIN Verlag Gmbh Jun 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Seminar paper from the year 2015 in the subject Engineering - Computer Engineering, grade: 1,0, University of Freiburg (Technische Fakultät), course: Seminar 'Linked Open Data', language: English, abstract: This paper provides an overview over the proposal 'Named Graphs' by Jeremy Caroll, Christian Bizer, Pat Hayes and Patrick Stickler. Named graphs are an extension of RDF adding the possibility to assign names to different subsets of graphs. These names can then be used to treat the triplesencoding a graph as a resource, making it possible to store metadata for it. Well-defined semantics and serializations are crucial to provide an open and extensible system to 'talk'about graphs. Interesting applications of this include quoting and cryptographically secure signing of named graphs in semantic web, providing provenance information and trust. 12 pp. Englisch.

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