Updating SPARQL Results in Real-time with Client-side Fragment Patching

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ABSTRACT

A lot of Linked Data on the Web is dynamic. Despite the existing query solutions and implementations, crucial unresolved issues remain. This poster presents a novel approach to update SPARQL results client-side by exchanging fragment patches. We aim at a sustainable solution which balances the load and reduces bandwidth. Therefore, our approach benefits from reusing unchanged data and minimizing data transfer size. By only working with patches, the load on the server is minimal. Also, the bandwidth usage is low, since only relevant changes are transferred to the client.

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