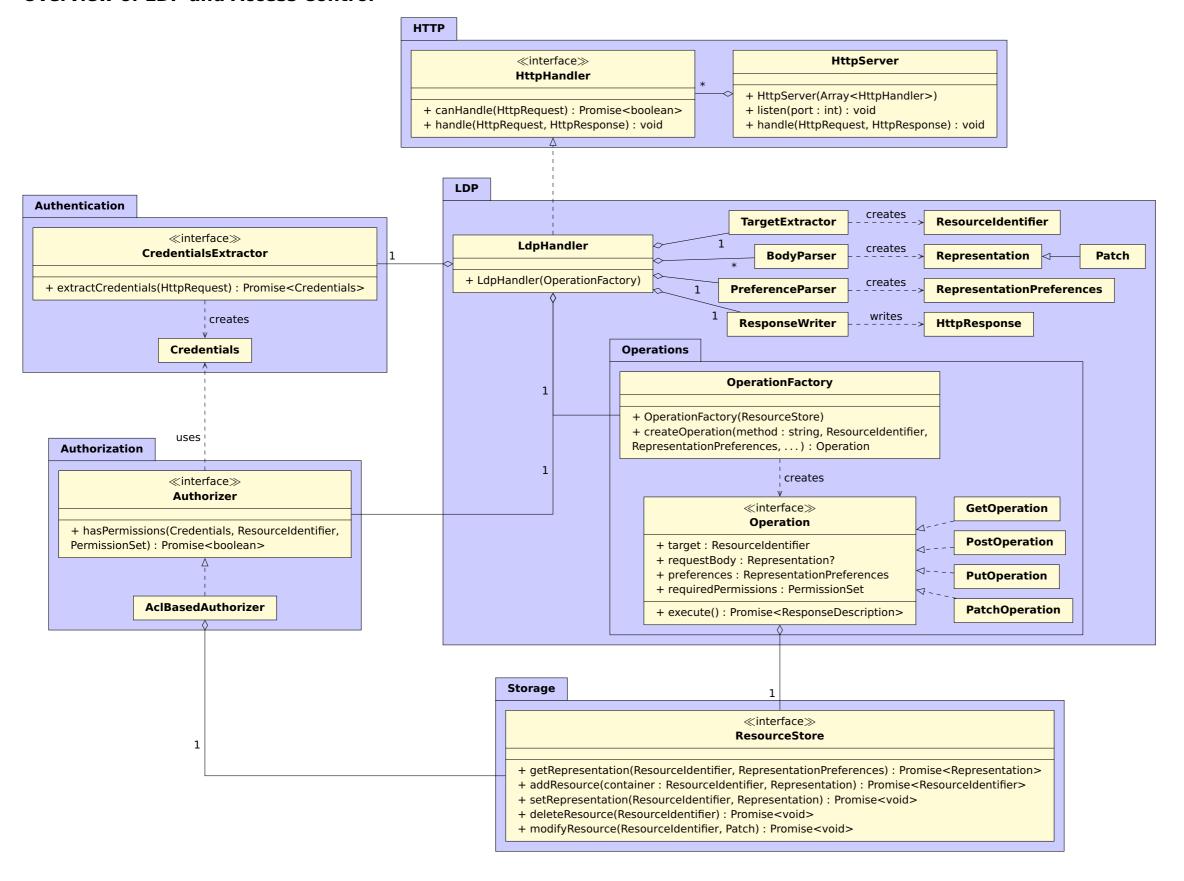
Solid server - Proposed architecture v1.1.0 (status: draft)

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Purpose

This document conveys a personal view on important architectural considerations for a Solid server. It is intended as a tool for discussion, to raise questions, and to highlight concerns. It does not have any official standing whatsoever.

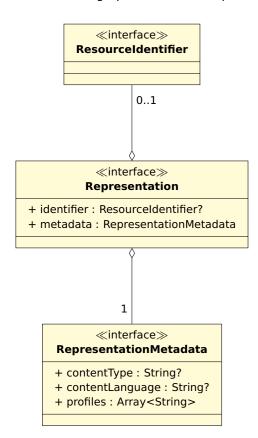
Overview of LDP and Access Control



Resources and Representations

REST notion of a resource and its representation. In the case of a photograph, the ogy is mainly used to emphasize the resource/representation notion of REST. have vastly different underlying in-memory structures, such as strings, binary resource is the photograph itself, whereas a representation is a concrete mani- Also, there is no **Resource** class, because resources are always manipulated streams, RDF streams, etc. So they can be photographs as well as RDF streams, festation of that photograph with a certain resolution and file type. In the case of through representations in REST, so we only need to identify resources, and and most other classes handling them do not need to care. This enables backan RDF document, the resource is the RDF graph, and concrete representations only deal with them through their representations. serialize that graph into Turtle or specific framings of JSON-LD.

The intention of ResourceIdentifier and Representation is to capture the For all practical purposes, ResourceIdentifier can just be a URL; the terminol- Crucially, as the diagram below shows, the Representation interface can ends to be RDF-aware when they need to, and RDF-oblivious when they do not.



Example classes and interfaces deriving from ResourceStore

