The very first UMA scenario accepted was “Sharing Trustworthy Personal Data with Future Employers”. This scenario overlaps greatly with the concept of Higher Education Achievement Reports (HEARs) that are planned to be introduced at Newcastle University. The HEAR is intended to provide a single comprehensive record of a learner’s achievement at a higher education institution such as Newcastle University. It will be an electronic document, which will adhere to a common structure and can be verified by the academic registrar or equivalent officer. However, HEAR leaves unspecified how such document is shared outside of the institution. The SMART Authorization Manager (SMART AM), the first UMA-compliant authorization server that allows end-users to easily compose very flexible sharing settings for their online data, has presented an opportunity to solve the HEAR challenge.

Online Personal Loan

Personal information sharing is an emerging trend for online daily life activities, including interactions with financial institutions. This case study analyzes a specific scenario for a financial credit interaction for an online personal loan request. An individual can fill out a loan application by authorizing the release of trustworthy financial information from multiple sources.

Sharing Among Parent Groups

A school (or school coalition) wishes to make available a resource sharing infrastructure to parents that would allow them to share their personal/family resources as well as create “digital communities” consisting of a group of parents.

Centralizing Business Logic for SaaS Services

It is valuable to enable enterprises to centralize their policies and entitlements (scope generation) in an authorization server that they run, letting each SaaS vendor with which they contract run a resource server that respects those entitlements.

When the Resource Server and Client Are the Same

When multiple people need to use the same web app, meaning that the resource server and the client are the same application, there are both optimization opportunities (because of the colocated entity) and interesting use cases (for example, household accounts representing multiple people/identities).

IoT - Intelligent Refrigerated Shipping Containers

This case study involves a ship hauling intelligent “reefers” (refrigerated containers) and tracking environmental factors (e.g., temperature, humidity) to ensure that the contents arrive in good conditions to their destination. Ship system needs to access reefer resources for en route tracking/monitoring.

Giving K-12 Students Control of Their Data

Kennisnet investigates the user-centric approach of data management for education using UMA. Kennisnet created a mock-up of an UMA based dashboard for end users.

Users Managing Delegated Access to Online Government Services

The New Zealand office of the GCIO ran a Proof of Concept (POC) project to test the concept of a Common Delegations Capability for shared government use.

Aggregating and Sharing Pension Information

Origo, a not-for-profit FinTech company in the UK, has developed an UMA-based solution for the Pensions Dashboard Prototype Project. It lets a UK resident use a discovery service that finds “pension pots” left behind from previous jobs and view all the results as a high-assurance self-requesting party in an application that functions as an UMA client, and then share that aggregated information with other high-assurance requesting parties, such as accountants. This use case was also highlighted in this presentation about UMA2.
| Lush Group | Lush Group's HealthMePHR implementation explores usage of UMA, the HEART profiles, and OpenID Connect for a series of concrete scenarios. For more information about this implementation, see the implementations page. |