

# Identity Services Beyond Web Single Sign-On

## Task work-plan – 2009

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### 1. Goals

The primary goal of the task in Year 1 is to identify, and document with reference to detailed use-cases, opportunities for using federated identity in a diverse range of applications 'beyond the web', with the aim of understanding the requirements of, and constraints on, a 'common identity layer' for Education and Research applications, and provide recommendations for future work.

If the document recommends that further work is required (standardisation, implementation, etc) the document will provide a cost/benefit analysis that could be used to build a business case for the work necessary to enact the recommendations.

The document is not intended to investigate in detail the technical basis of a 'common identity layer' but, instead, to articulate the properties that it should possess in order to satisfy the requirements of the use-cases. However, the use-cases and analysis should make reference to any relevant existing technologies.

### 2. Approach

The task will adopt the following approach to work towards this goal:

1. **Community out-reach:** reach out to the community to find parties with interests in specific applications who are willing to contribute.
2. **Document the problem space:** collaboratively write a document that attempts to realise the goals of Year 1, with a view towards possible standardisation and/or implementation work in Year 2 if appropriate.
3. **Create a forum:** establish a community of, and promote conversation between, AAI specialists, and specialists from other application domains.

#### 2.1. Community out-reach

The task will begin by identifying use-cases to explore and people willing to document these.

An initial list of potential use-cases was gathered during the 'Beyond Web SSO' BoF at TNC 2008. These were then classified and then prioritised at the TF-EMC2 meeting in Utrecht (December 2008); the use-cases and priorities (where 0 is least interesting and 3 is most interesting) are shown

in the table below.

These use-cases are intended to illustrate the use-cases that have been suggested so far, and an approximation of the interest associated with these. They are not intended to constrain the use-cases that are addressed by this task.

Human-orientated		Console / OS orientated		Application orientated		Network orientated	
Access to physical locations (libraries, etc) using physical tokens.	1	Unix NSS (for dynamic provisioning of user/group/etc info)	1	Webmail-to-IMAP stores	2	Identity-sensitive network devices (firewalls, policing, shaping, seperation, etc)	0
Free/busy information (calendar, etc)	2	SSH	1	SIP (server-server and client-server AAA)	2	'uPnP' signalling of identity or authorisations between devices (dynamic network device configuration reflecting policy)	0
Presence information (IM clients, etc)	2	Windows GINA	0	Transaction auditing	0	Network Endpoint Assessment	1
		VNC & RDP	1	Storage	2	User controlled light-paths	?
				SMTP	0	Virtual network provisioning.	2
				Database search	1		
				Library portals consolidating information from multiple sources	?		

The out-reach to the community will begin on 1 March, with the hope of securing interest from a number of use-case contributors by 1 April. However, there is no 'cut-off' date and participation from contributors after this date will be welcome until the first draft of the document is circulated in the early autumn.

## 2.2. Document the problem-space

The problem space will be documented in two ways: a number of uses-cases and an overall analysis. These are described in the following two sections.

It is anticipated that each of the use-cases will be written primarily by experts in the technology domain, with assistance by the TF-EMC2 community. The use-case analysis will be written primarily by the TF-EMC2 community, with assistance from the use-case contributors.

### 2.2.1. Documented use-cases

The task will solicit contributions from the community that describe the use-cases of interest. The contributions should include:

1. A **high-level description** of the use-case that would be accessible to a reader who a non-expert in the technology domain under consideration.
2. A **business-case** that outlines the benefits to the community of addressing the use-case. This might includes factors such as:
  - Direct and indirect cost savings (reduce travelling costs, lower help-desk costs, resource sharing, etc);
  - Improvements to the experience for end-users and administrators (simpler, faster, etc).
  - Reducing the environmental impact (reduced travelling, increased use of existing assets, etc).
  - Profile-raising factors (novelty, etc).
3. A **detailed description** of the use-case that, in particular, describes the identity and/or

federation related properties that are required or desirable of a solution, and any constraints or restrictions that might limit the scope or applicability of the solution. This should also include an analysis of methods that are currently used to address the use-case, if at all, and any other proposed approaches.

### **2.2.2. Use-case analysis**

The task will analyse the use-cases in order to establish the feasibility of a common approach to their requirements, and attempt to establish some lines of enquiry that might be appropriate for future standardisation efforts.

### **2.3. Create a forum**

The task will provide a forum for AAI specialists from TF-EMC2, and those from other technology domains that wish to leverage AAI, to liaise and interact.

## **3. Milestones**

<b>Milestone</b>	<b>Date</b>	<b>Description</b>
1	26/02/09	Reach consensus on Task Plan within ECAM.
2	01/03/09	Community out-reach on relevant mailing lists.
3	01/04/09	Implement any necessary tools (mailing lists, Wiki, etc) needed to collaboratively write the document.
4	Early autumn 2009	Circulate first draft of document for review by TF-EMC2.
5	Autumn 2009 (TF-EMC2 meeting)	Circulate first public version of document.

## **4. Deliverables**

<b>Deliverable</b>	<b>Date</b>	<b>Description</b>
1	01/03/09	Publish the task work-plan on TF-EMC2 website.
3	05/05/09	Deliver update on progress at TF-EMC2 and solicit participation.
4	01/06/07	Deliver update on progress at BoF during TNC 2009, and solicit participation.
5	Autumn 2009 (TF-EMC2 meeting)	First public version of document.