

OpenCA Workshop 2004

Creating an Identity Infrastructure for UK Local
Government in Sunderland

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Introduction

- What are Sunderland City Council proposing ?
- What are the business benefits ?
- What technology are they using ?
- How are they implementing the technology ?
- Where is the project now ?

What are Sunderland City Council proposing ?

- Creation of a value added Trusted Services Network (TSN) to provide digital identity based around Liberty concepts, using PKI and smart card technologies.
- Digital identities, located on a smart card, allow users authenticated access to online and offline services and products.

What are the business benefits ?

- Regional infrastructure
- Aimed at Local Government and Local Businesses (transport, leisure and business).
- Supported by many applications:
 - Education
 - Football clubs
 - Local Government employees
 - Benefits claimants

What technology are they using ?

- Identity infrastructure will be provided by Sun Identity Server.
- Smart cards managed and issued by ActivCard AIMS Smart Card Management System.
- Digital certificates issued by an OpenCA PKI infrastructure managed by Diginus Ltd.
- Root certificates created and stored on a Chrysalis ITS Luna SA key in hardware device.
- Project management by Fujitsu UK.

How are they implementing the technology ?

- The PKI will issue “anonymous” certificates and write them to a SUN 1 Directory.
- As users enrol to the service they will authenticate themselves via a local identity service (e.g. Library).
- AIMS will identify the next available certificate from the directory.
- AIMS will securely retrieve certificate and encrypted key pair from PKI.

How are they implementing the technology (cont.)

- AIMS will inject the digital identity onto a smart card.
- Users can then use the smart card and identity held on it, to securely authenticate themselves to online services (e.g. Local college applications).
- The SUN Identity Server will manage single sign on to all participating applications by means of the federated log on approach, i.e. Management of identity tokens for log on to services.

Where is the project now ?

- Contracts in place.
- Diginus has tested OpenCA to 50,000 certificates (plenty for the pilot and initial project phases).
- Servers installed.
- Project up and running.