

KATSO – Nationwide identity management, authentication and authorization system for organizations

CHALLENGE

eGovernment services that are targeted for organizations and citizens handle sensitive information about the stakeholders. Therefore it is crucial to implement some security mechanisms to protect the information.

For eGovernment services it is also necessary to track who has done and what, for audit purposes. But when several government agencies start building services for the customers, the challenges are

resolved over and over again as each agency struggles with similar problems, such as creating a flexible way to issue identities to their customers, organizations or citizens and authenticating them properly to the services.

The major challenge is of course the urgent need to cut down cost of serving the customers in the point-of-service locations and transferring the available services to Internet, where they can be reached 24/7.

SOLUTION

The KATSO system developed by Ubisecure Solutions implements a common platform for identity life cycle management, authentication and authorization for the eGovernment sector or large companies with a large partner network. The KATSO system can be hosted by a service provider or a government agency and it has the ability to create identities, maintain their properties, authorize other identities, delete identities and so on.

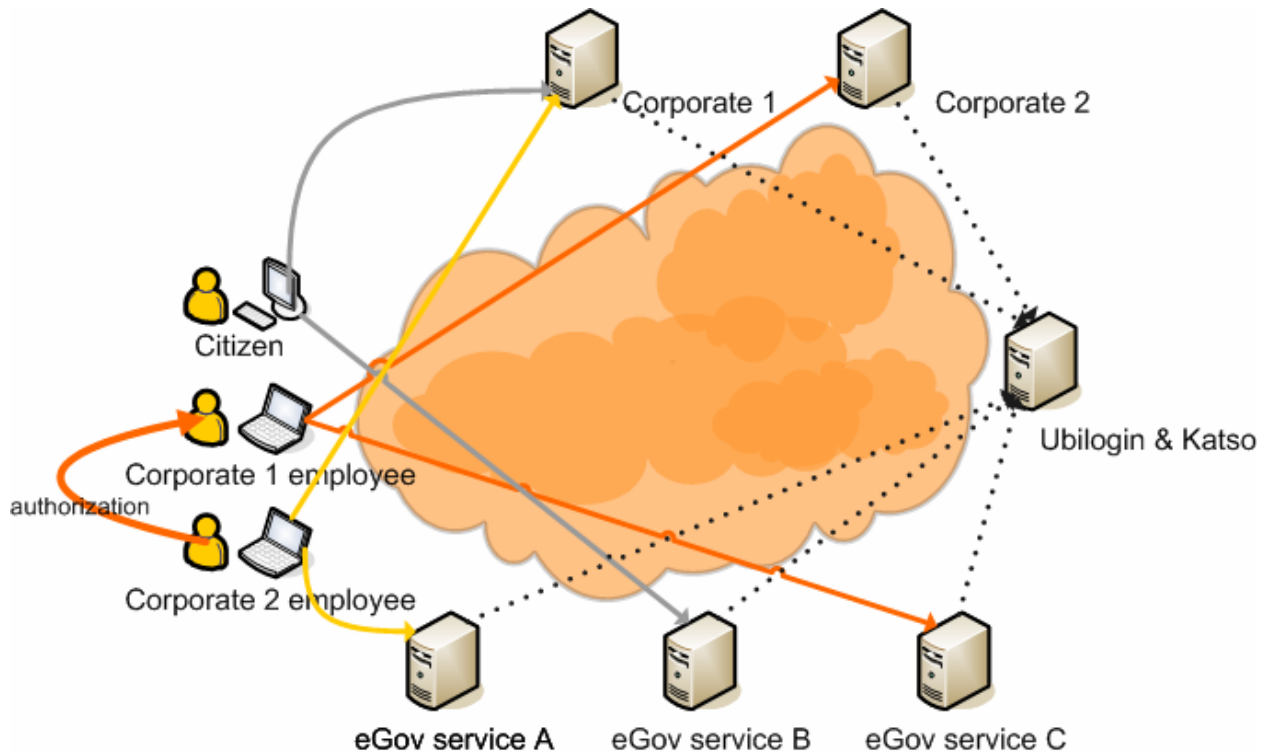
KATSO identities can be integrated to the applications using off-the-shelf components within hours, instead of months of development. KATSO identities are divided into 3 categories, where the Master user can create lower level identities and authorize them to act on behalf of the organization where the Master user belongs. Authorization can be given to other companies as well. This feature essentially outsources the identity management to organization that needs to use a service which is protected by KATSO.

The organization that delivers services integrated with KATSO can create roles that are tied to the service in question and these roles can be assigned to KATSO identities

by the Master users in the organizations utilizing KATSO.

KATSO is also an authentication mechanism. The strong KATSO one-time-password combines username/passwords with one-time-passwords making it more secure against identity theft attempts. The KATSO utilizes standards such as SAML for Web based authentication and Liberty ID-WSF for non-Web based applications enabling organizations to implement KATSO authentication across the application landscape.

KATSO delivers basic attributes about the user to the applications upon authentication. These attributes can be configured so that basically anything available through the KATSO system can be delivered upon authentication making it possible to implement application level authorization functions easily. But for security reasons it may be necessary to use the standards based Attribute Authority feature available in KATSO, which enables the services to request additional attributes about the user in the backend, between the service and KATSO system.



BENEFITS

- Secure and simple partner and customer access to eServices 24/7
- Centralized audit capabilities for eGovernment services
- Outsourced identity management
- Outsourced and flexible authorization between companies and people
- Standard based APIs for application integration
- Easy and cost efficient deployment with Ubilogin Agents
- Liberty Web Services and Web browser profiles supported

Ubilogin and Katso provide an outsourced Identity Management Solution for organizations that provide eServices to a very large user base. Through Ubilogin Web Agents, the deployment of authentication and authorization to the services will reduce the time-to-market into a few days. SAML and Liberty ID-WSF support enables both web browser and web services (SOA) application integration.