SAN DIEGO STATE UNIVERSITY
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SDSU
presents
a thesis defense for
Master of Science
degree in
Computer Science

Friday,
November 9, 2012

1:00pm
GMCS 405

Aesha Thakkar

Implementation of Identity Discovery as a Service Provided By Third Party Authentication Server

Abstract

Today's IT world there is lots of websites are developed every hour. Many sites have own authentication mechanism. To implement this they require many resources which time to implement and cost more. To avoid this user can use Services from service provider. These Services may be of different types. The service provider has all the resources to run services and mechanism to provide the service to the client. Client will have to pay for only those services that he will use for their website. This way client can save money and time.

In my dissertation, I aim to develop the Authentication server that will provide the secure Authentication as a Service to other website and also support the Identity as a Service (IDaaS).

In phase-I of dissertation, I aim to study about various challenges and issues before developing third party authentication server and try to find some solution to resolve that problems. Literature study mainly focuses on the overview of the Authentication Process, Relation between User-Client-Service Provider, IDaaS and Various Authentication services provider that exist. In designing of the project I have included UML and DFD diagram along with Module diagram.

I have tried to keep the service simple, efficient and easy access for client and users. Client can use this service to their website by just adding few lines of code. To make this authentication service more secure I have added some features. Features like Provisioning, De-Provisioning, E-mail Password Recovery and Single Sign-On (SSO) will just make project better. In my project, I have given power to user to select what personal information he wants to give to the external website.

This Project is Web Based so it is platform independent. I have used WAMP server for PHP for server side scripting and HTML, CSS and JavaScript for front end.

Thesis Committee

Nenad Marovac, Thesis Chair, Department of Computer Science
Joseph Lewis, Department of Computer Science
Carmelo Interlando, Department of Mathematics & Statistics