



ESSENTIALS OF Management Information Systems

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Chapter 7 Securing Information Systems

Case 2: Open ID and Web Security

Tags: user-centric ID; Web site centric ID; tradeoffs of security and convenience; identity providers; privacy; control over personally identifiable information; authentication

Summary: This video explains the concept and potential operation of OpenID, a method for providing individuals and corporations with a private identity which can be used at all Web sites without re-entering identity information (and sacrificing convenience).

URL: <http://www.youtube.com/watch?v=xcmY8Pk-qEk>



Case

OpenID is an open, decentralized standard for user authentication and access control, allowing users to log onto many services with the same digital identity. It is a single sign-on (SSO) method of access control. As such, it replaces the common login process that uses a login-name and a password, by allowing a user to log in once and gain access to the resources of multiple software systems.

An OpenID is in the form of a unique URL, and is authenticated by the user's 'OpenID provider' (that is, the entity hosting their OpenID URL). The OpenID protocol does not rely on a central authority to authenticate a user's identity. Since neither the OpenID

protocol nor Web sites requiring identification may mandate a specific type of authentication, non-standard forms of authentication can be used, such as smart cards, biometrics, or ordinary passwords.

As the video mentions, the two benefits of OpenID are convenience and security. As it stands, different sites know individual users in different ways; each site has a unique way of identifying its users. And many sites are not prepared to focus on security in a satisfactory way. This is inconvenient for the user and also jeopardizes their personal information when they provide login information for sites that have inadequate privacy protections.

Under OpenID, users would visit sites known as 'relying parties', because these sites rely on identity providers to sign in their users. When a user tries to log in, the relying party asks the identity provider to confirm the user's identity. In turn, the identity provider asks the user to confirm that he trusts this new site. The user doesn't need to fill out any forms or create a new identity and password for that site, and the site doesn't need to worry about protecting the information its users provide.

Users can control their identity and they only need to trust one site, namely the identity provider they choose to work with. MyVidooop, the creator of this video, is one example of an identity provider. You can view their site at www.myvidooop.com.

Case Study Questions

1. Explain why OpenID offers users greater convenience and security than the current system.
2. What are the possible drawbacks of the OpenID system?
3. Would you consider using an identity provider to access content on the Web? Why or why not?
4. Visit MyVidooop's site and view its privacy policy (<https://myvidooop.com/help/privacy>). Does this policy satisfy you? What problems do you have with it, if any?
5. Why might online businesses be excited about the advent of the OpenID system?

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