Similarly to LDAP (Light-Weight Directory Acces Protocol), OpenID is an authentication protocol service that is intended to ensure identity protection for usage in software and corporate environments. A goal of OpenID is to fight both sides of the battle between convenience and security when it comes to information and its protection and privacy. Software such as OpenID is essential to ensure the integrity of data and protect against any attacks that may come from unwanted sources.

The technology uses “end-user” interactions with a relying party with the intention of validating that user’s identity. This service uses the internet and DNS services to identify source and destination of information and interactions with datasets, among other applications of the software. It utilizes several checksum verification processes and identifiers to ensure a user’s identity.

OpenID is a part of NetMesh Inc and is built using Solaris hardware and software, in concert with VeriSign. There have been many attempted attacks on OpenID and it is has been found to be susceptible to many kinds of phishing attacks. Spoofing attacks have also been successful against OpenID. Successful highjacking efforts have taken place over unsecured connections. Data is stored in a JSON format which further enables usability by JavaScript clients and users. Encryption, identity protection, and session management are also supported. There is a management console that alerts administrators of faults or security breaches as they are recognized.

OpenID came to respect in 2005 after it initially being named Yadis (Yet another distributed identity system) (Live Journal Server, 2009). It has powerful connections and similarities to other identity authorities to ensure that the newest and most secure technologies are used and implemented correctly. OpenID’s biggest competitor is a service called OAuth, which is less intensive on user information and doesn’t qualify as an authentication protocol. OpenID supports many applications, including REST-like queries.

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