

Network working group  
Xplorer  
Internet-Draft  
Intended status: Standards Track  
Expires: May 3, 2017

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Individual  
Dec 3, 2016

**Single SignON solution to WWW seen as one Giant computer and use of  
a smartcard where a phone SIM can be inserted to authenticate  
draft-pkx-wwwogc-07**

**Abstract**

The document describes a SingleSignON solution to WWW seen as one Giant computer. As WWW use increases, on average an user has many service login accounts they have to manage. It would be better for most users at the expense of some security risk to have one password for all the services and a WWW shell and a control panel. Also the WWW as an intelligent being could show information to an user interpreting their needs from all their accounts.

A smartcard could have a phone SIM slot and phone devices and computers can have smartcard slots and email user should be able to allow login only by insertion

of smartcards. A smart card can be programmed with user details and a session

manager software can be used to allow the user to login / create and use many services.

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## [1. Introduction](#)

To implement a Single SignON solution to WWW seen as one Giant computer that would help navigate and use the WWW more easily, making passwords more manageable and WWW navigation more intuitive. This is a precursor to futuristic project of Information as a bird that flies to the users.

## [2. Background](#)

**Currently as a user i have multiple WWW services, i have a** hosting account explodingmoon.org and email as pradeep@explodingmoon.org and email service from hotmail.com, and yahoo.com and i have a kasikorn K-cyber bank account, i have an account with cheaptickets.com that i have not used and i can retrieve and reactivate the password, i have two accounts with facebook. All accounts are used by me by using different usernames/userids and passwords. There might be several other services that i have registered and tried and never used and i do not remember any of these. If i can just authenticate with WWW and access all these serives seamlessly without typing in a password, that would lead to a better User experience and would be more time efficient.

## [3. General Information of the service](#)

I want to propose a WWW service that allows a WWW navigator to access all his authenticated services by logging just once. I want to propose a Valid registered

email address as Single SignON key, or a WWW navigators primary email  
as WWW Single  
SignON Id. So lets say it is pradeep@explodingmoon.org.

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I want to propose concept of authentication ID. The authentication ID for an email

service is just the email ID. But there could be many different levels of

authentication needed to be authorized to perform operations in the WWW, or

your desktop. I have a hosting account and access to a control panel in my hosting

service, thats a username and password to an application of the hosting service.

Or it could be an application that I installed in my domain, like a blogging

software. I can propose a domainname and domainname/Filename/ where the application

is installed. But authentication ID can be numerous depending on the Operating

systems and kinds of software. So in my case now , I want to see my email

pradeep@explodingmoon.org as my primary email id and my SingleSignON Id.

I have a hosting account in bluehost.com, and a control panel user and password,

I have an additional secondary email @explodingmoon.org

pradeepkumarxplorer@explodingmoon.org. I have email services in hotmail.com,

pradeepan88@hotmail.com, a b2evolution blogging software loaded in <http://www.explodingmoon.org/FCSP> with a username pradeepkumarxplorer and a password.

Right now theres no way for an Information publisher to know who is accessing his

or hers website other than their IP addresses. This has been a problem for me as

a publisher. I wanted to be able to configure my website and say only authenticated

users can view my information. So if a user Helena@athens.net accesses my

information site, right now I would see an IP address used in Athens Internet

Service providers. I should be able to see the SingleSignON Id of Helena@athens.net

using a visitor tracking software. And by making a query to a Whois database or

some other Application level tool I should get more info about Helena@Athens.net.

I should be able to allow or disallow a user to my website at the HTTP daemon level.

So I propose two classes of WWW navigators, Authenticated and anonymous.  
I can configure my website to allow anonymous users as well.

The browser is a common internet application and most users use some publicly

available services for email, or services of banks, eshops, travel planning etc.

Public meaning the domainnames are advertised and can be obtained as part of

Information retrieval searches, Wellsfargo.com, cheaptickets.com etc..

A User should be able to either browse anonymously or as an authenticated user.

When a User browse anonymously he or she should be restricted to see some

contents in the WWW.

The WWW should be seen as one Giant Computer. The desktop that you see on

Your device should be known as the WWW desktop.

A browser should have a Userid and Password field or user can proceed to

browse anonymously.

When i log into a computer, i should be able to invoke an Action to Authenticate to WWW Desktop.

The URL field should have next to it a UserName textfield and a Password TextField.

There should be toggle button which shows who the browser user is, an Authenticated user or an anonymous user.

The Desktop and the browser can be configured to accept the Desktops Sessions Username and Password as the WWW Desktops Username and password!.

If you are registering for first time, you create a Unique WWW User id that would somehow linked to an external authentication.

Lets say i am able to register to the WWW as Pradeep.  
My WWW id is Pradeep@Desktop.WWW

If Pradeep@Desktop.WWW never logs into internet again for two years, how would you locate Pradeep@Desktop.WWW . So in the registration there should be something that links Pradeep@Desktop.WWW to a Non internet realm. Pradeep's travel document or finger print id or retinal scan or that Pradeep carries an Unique Obsidian from California.

So the User can browse as anonymous or as an Authenticated User with other attributes.

In this design it is only Anonymous and Authenticated.  
The Single SignON eliminates the need to login multiple times.

Lets say I have chosen pradeep@explodingmoon.org as my primary email id or

SingleSignON id. Registering for pradeepan88@hotmail.com and pradeep@yahoo.com  
Would be easy and just need one button click.

I am adding these concepts WWW shell

I propose a WWW shell, where I can do many operations related to SingleSignON identity.

The WWW shell should have Operations like these.

Assign Username emailid

AddtoProfileofUserName Does not want to see Webpages related to

Hindi Movie stars

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List SingleSignONUserName AuthenticationPages

(In this case)

List pradeep@explodingmoon.org AuthenticationPages

pradeepan88@hotmail.com

pradeepplugimwidnaus@yahoo.com

facebook.com/pdeep

facebook.com/xplorer.pradeep

www.bluehost.com/Explodingmoon.org

www.explodingmoon.org/b2-evolutionInstallDirectory/pxplorer

www.kasikornbank.com/K-CyberuserId

www.hover.com/UserId

pradeepkumaxplorer@gmail.com

www.cheaptickets.com/UserId

List ProfileSummary pradeep@explodingmoon.org

Interests: Fitness, food, Travel, backpacking, Yoga,

Webhosting, Journals, airtickets, Artificial intelligence,

Health

Replicate UUsername1 Username2

Merge Username1 Username2 Username3

Merge ProfileSummary1 ProfileSummary2 ProfileSummary3



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Load ProfileSummary3 pradeep@explodingmoon.org

(May be a Database engine would help Profile management, creation etc)  
The concept of profile is to implement software that allows Information  
to fly to Users.

I am adding these. A smartcard device can be used for SingleSignON and  
it can enforce

additional authentication. I insert a card and the client requests me  
to put my fingers or

place my eyes for retinal scan. In addition information from  
services not used or viewed

can be shown. If i dont login to some domains or services and the  
messages in those domains

or services can be shown to remind me they are not looked at for long  
time.

Also browser can be opened with httpsso:// service to be in this mode.

I also want to propose a Logs file for Webserver available  
automatically without

use configuration for the privileged users or owner of the website. So  
i own

<http://www.explodingmoon.org>, the weblogs should be available to  
privileged users

in <http://www.explodingmoon.org/Logs> and it should show some User  
Identities that

can be clicked on to find out all the emails, contact phone numbers and  
whatever the

User Identity wants to list. This can be made a HTTP standard so i dont  
have to install

configure user tracking.

Added on Apr 8, 2016

I now want to propose that an internet session be able to be linked to  
a phone

number. This automatically happens if i am using an Android with a SIM  
card.

I should be able to do this from Operating system control panel and the  
awstats

or webstatistics should show phone numbers as well as IP address. A  
verification

is probably needed and it could be costly. The authentication id could  
be used

as the phone number.

Added on Nov 24, 2017

I want to propose a smartcard solution for webemail security. Currently  
anone with

password can login into most webbased emails. If a phone SIM that can be inserted into

A SMART CARD SLOT THAT CAN BE INSERTED INTO COMPUTER CAN BE USED AS ADDITIONAL AUTHENTICATION.

WHEN I LOGIN INTO PRADEEPAN88@HOTMAIL.COM IT CAN REQUEST FOR SMARTCARD IN ITS SLOT OR PREVENT LOGIN.

I should be able to purchase a smartcard, insert my phone SIM and configure my details

and the computer operating systems can have a session manager, and i insert the smart card

into the slot in the smart phone or laptop or computer and then i can browse use services.

I can create new accounts without filling in details, use existing accounts without retying passwords.

#### 4.Authors' Addresses

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URI: <http://www.explodingmoon.org>

<http://www.dhyanayoga.info>

#### 5.Acknowledgement

I have been a publisher of <http://www.dhyanayoga.info> since 2004/2005 and <http://www.explodingmoon.org> since 2008. I have used bluehost.com for hosting my website and have found the need to know who views my site, their email addresses and not just IP address. If i can be shown a Single SignON identity like a primary email address that when clicked on expands to other identities that viewers allows to reveal, it would be useful to me as a publisher.

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