             Single SignON solution to WWW seen as one Giant computer
                         draft-pkx-wwwogc-03

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.

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[1](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](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](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.

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
accesing 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 domainames 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

        List SingleSignONUserName AuthenticationPages

        (In this case)

        List pradeep@explodingmoon.org AuthenticationPages

        pradeepan88@hotmail.com

        pradeeplugimwidnaus@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

        pradeepkumarxplorer@gmail.com

        www.cheaptickets.com/UserId

        List ProfileSummary pradeep@explodingmoon.org

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

        Webhosting, Journals, airtickets, Artificial intelligence,

        Health

        Replicate USername1 Username2

        Merge Username1 Username2 Username3

        Merge ProfileSummary1 ProfileSummary2 ProfileSummary3

        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 ot viewed
        can be shown. If i dont login to some domains or servives 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 privieleged 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
Identitiies 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
        congigure user tracking.

4.Authors' Addresses

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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.