



Introduction to OpenID

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Melbourne, Victoria, AU

**passwords
suck**

**registering
on sites
sucks**

**your online
identity is
fragmented**

**...which
sucks!**

“We want to make you aware that media of ours that contained a backup of a portion of the reddit database was stolen recently.

We wanted to alert you to the possibility that your username, password, and – in some cases – e-mail address may have been compromised.”

Steve Huffman, reddit.com

Lesson for site owners:

**Don't store
passwords in
plain text**

Lesson for end users:

**Don't use the
same uid / pw
on different sites**

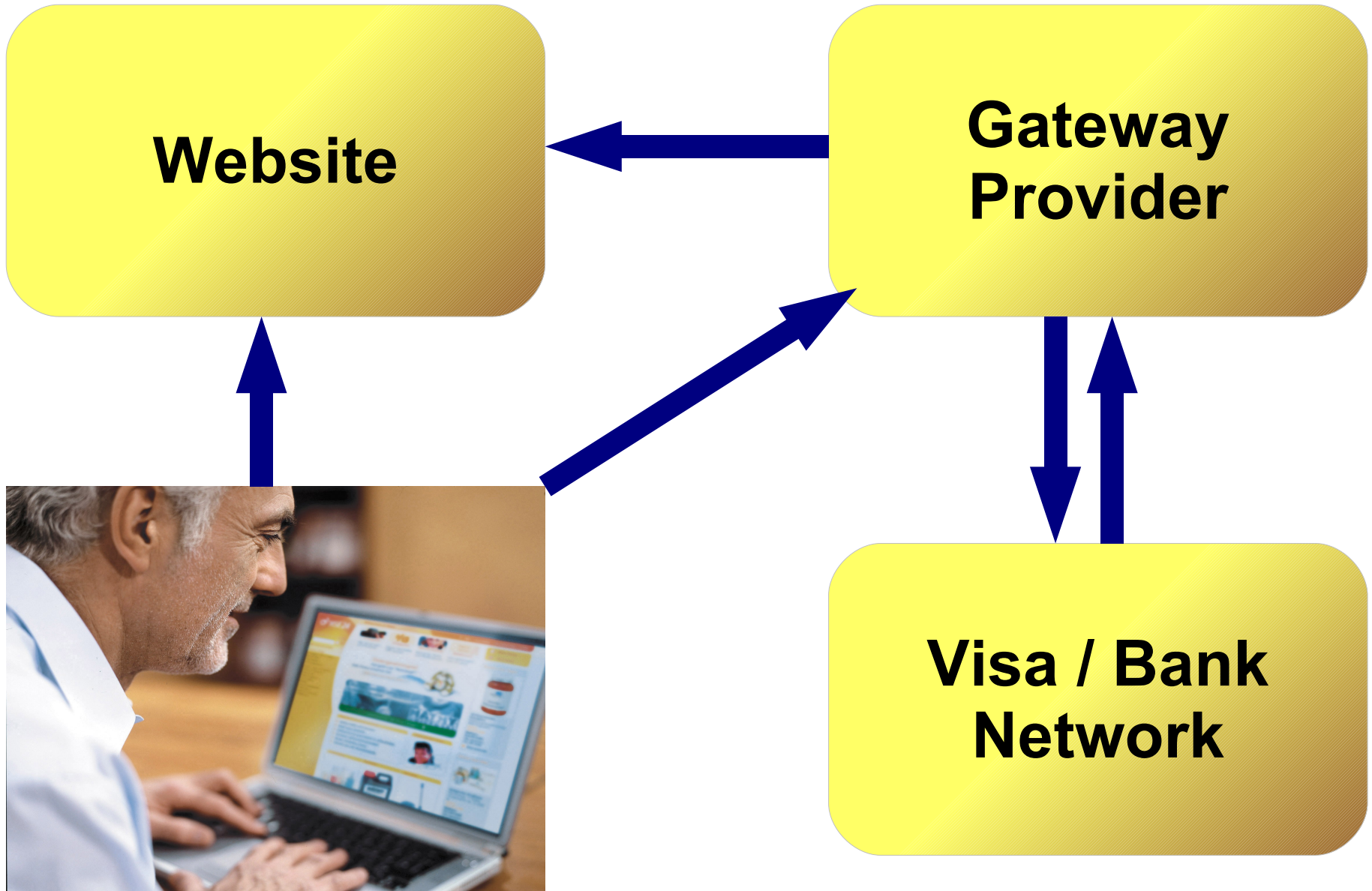
**how many
usernames
do you
have?**

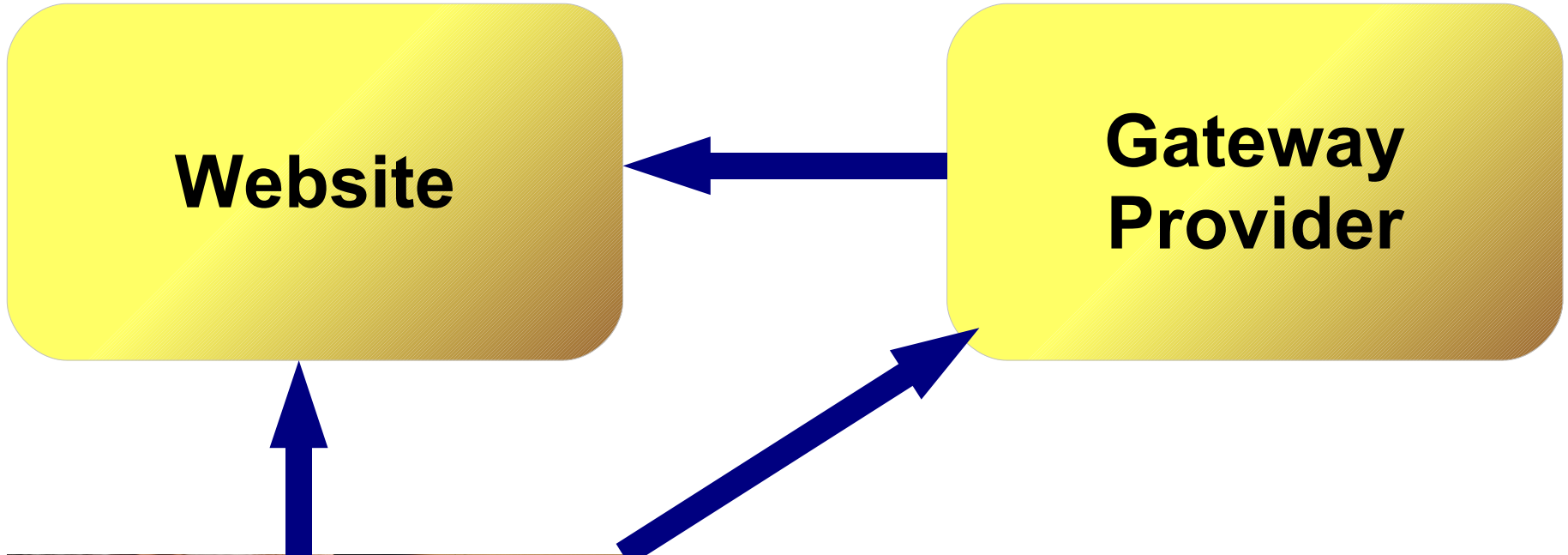
**we need
(decentralised)
single-sign-on
for the web!**

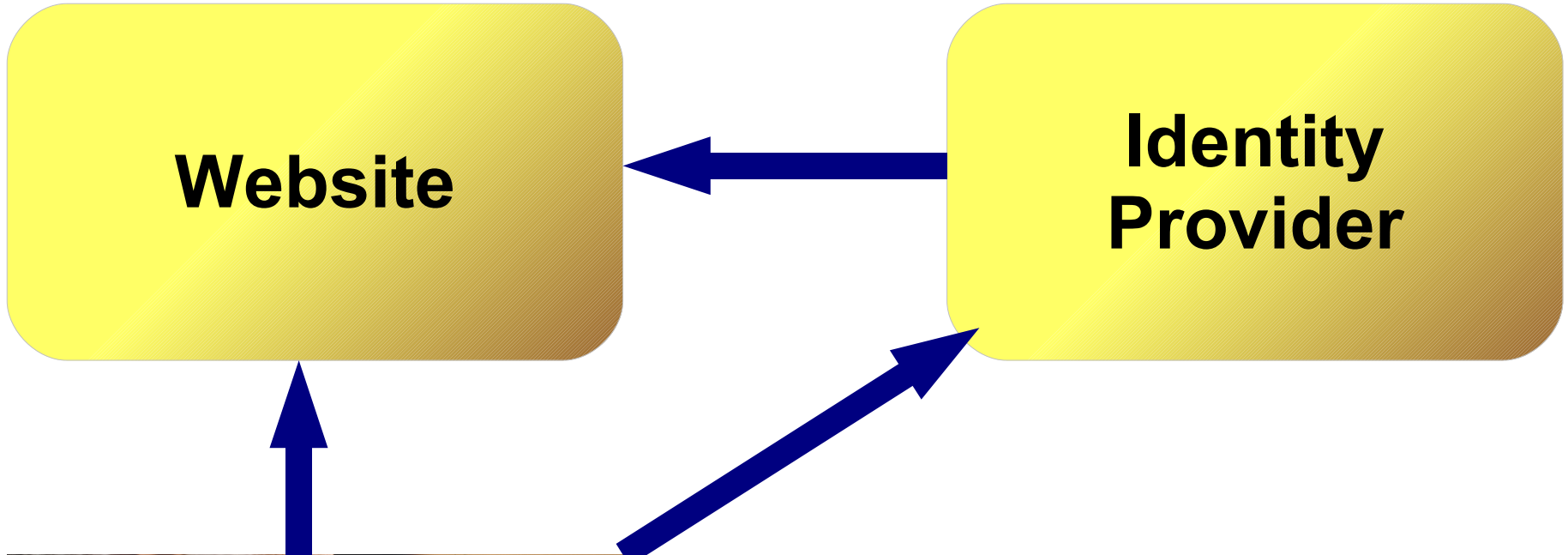
**an
OpenID
identifier is a
URL**

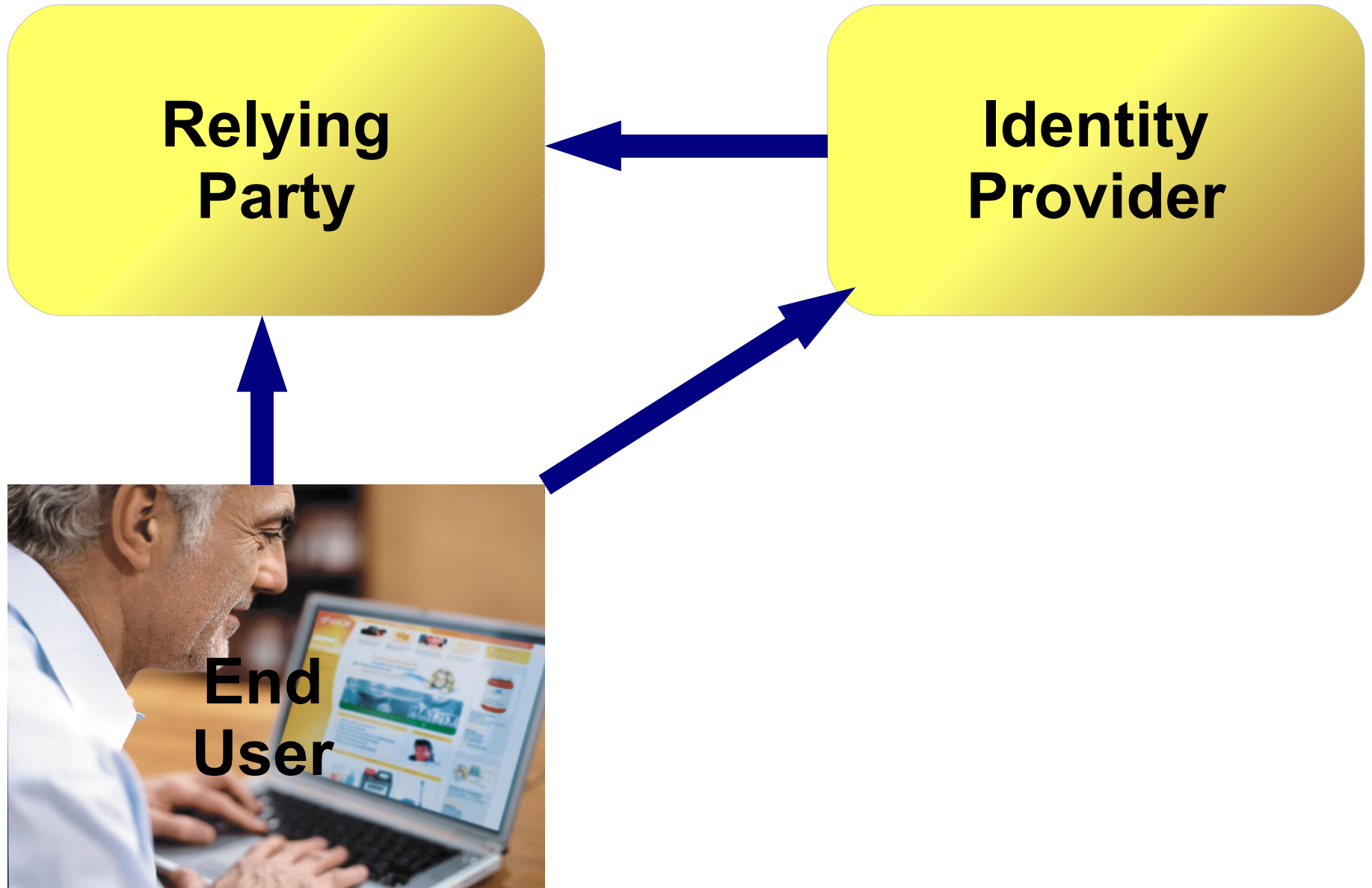
jon.oxer.com.au
ivt.com.au/openid/jon
jefferyfernandez.id.au
jeffkruize.wordpress.com

**OpenID lets you
prove that you
control the URL**









**Isn't this just
like Microsoft
Passport?**

**Well, yes.
But without the
problem of MS
controlling your
identity**

**The OpenID
standards are
collaboratively
developed**

**Sun, VeriSign,
and JanRain have
announced
“patent covenants”**

**They promise they
won't smack you
down for using
the OpenID spec**

**They *will* smack
down anyone else
who asserts patents
against OpenID**

adoption?

4,500 sites

120M users

So how does a

site

**make use
of OpenID?**

**Decide how
selective you
want to be about
identity providers**

**OpenID doesn't
replace the usual
sign-up process:
it augments it**

**You probably
still need to
maintain user
accounts**

**But you may
not need to care
about uid/pw
anymore**

**Create a profile,
then associate
one (or more!)
OpenIDs with it**

So how does a

user

**make use
of OpenID?**

**Option 1:
Get an OpenID
from an existing
Identity Provider**

**(you probably
already have one)**

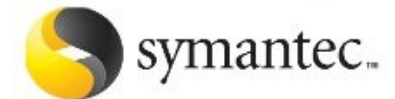
www.livejournal.com

www.wordpress.com

www.iwantmyopenid.org

www.aol.com

www.claimid.com



**Option 2:
Create your own
OpenID / Identity
Provider, or
delegate it**

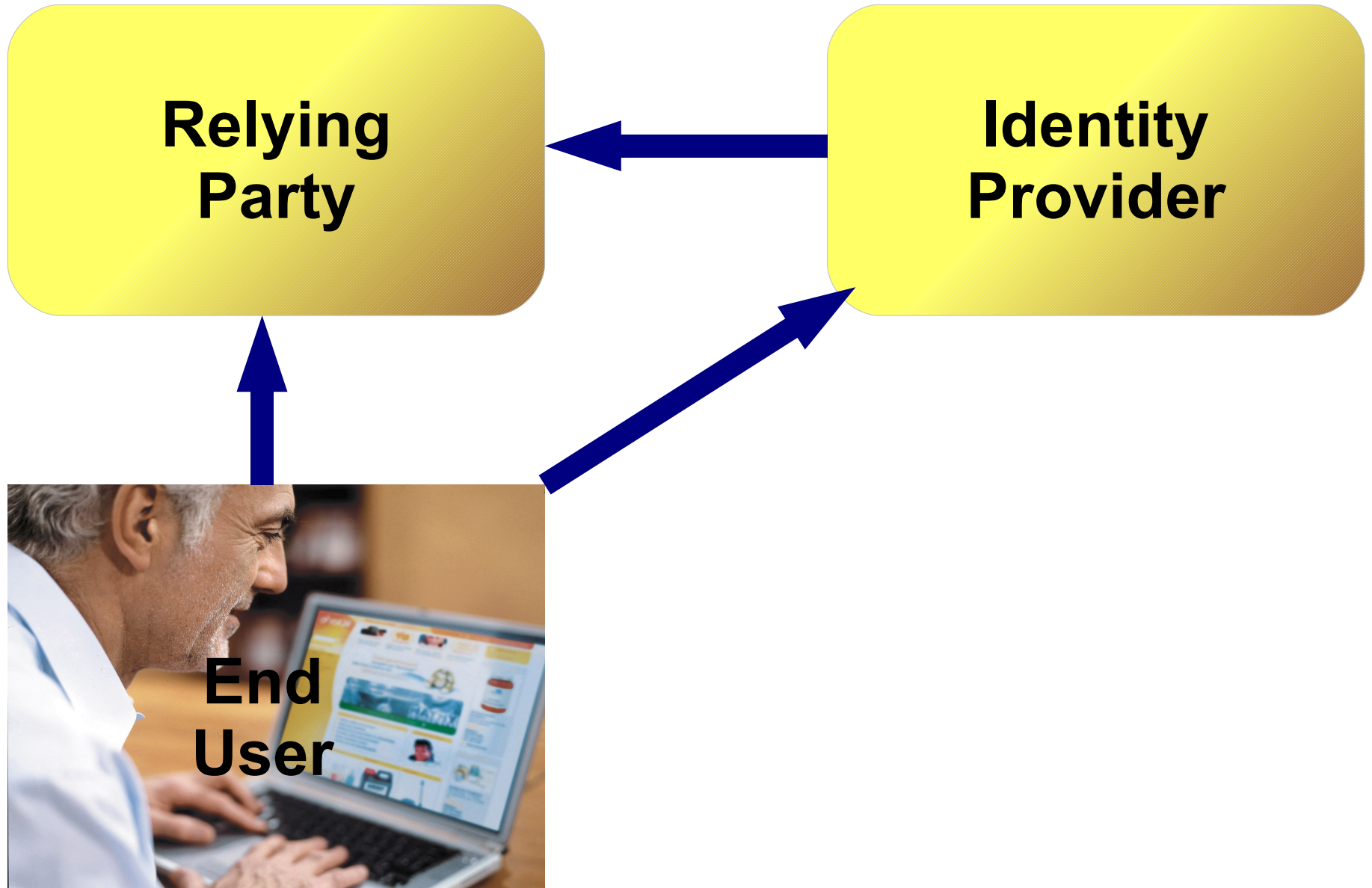
Source of: <http://jon.oxer.com.au/> - Mozilla Firefox

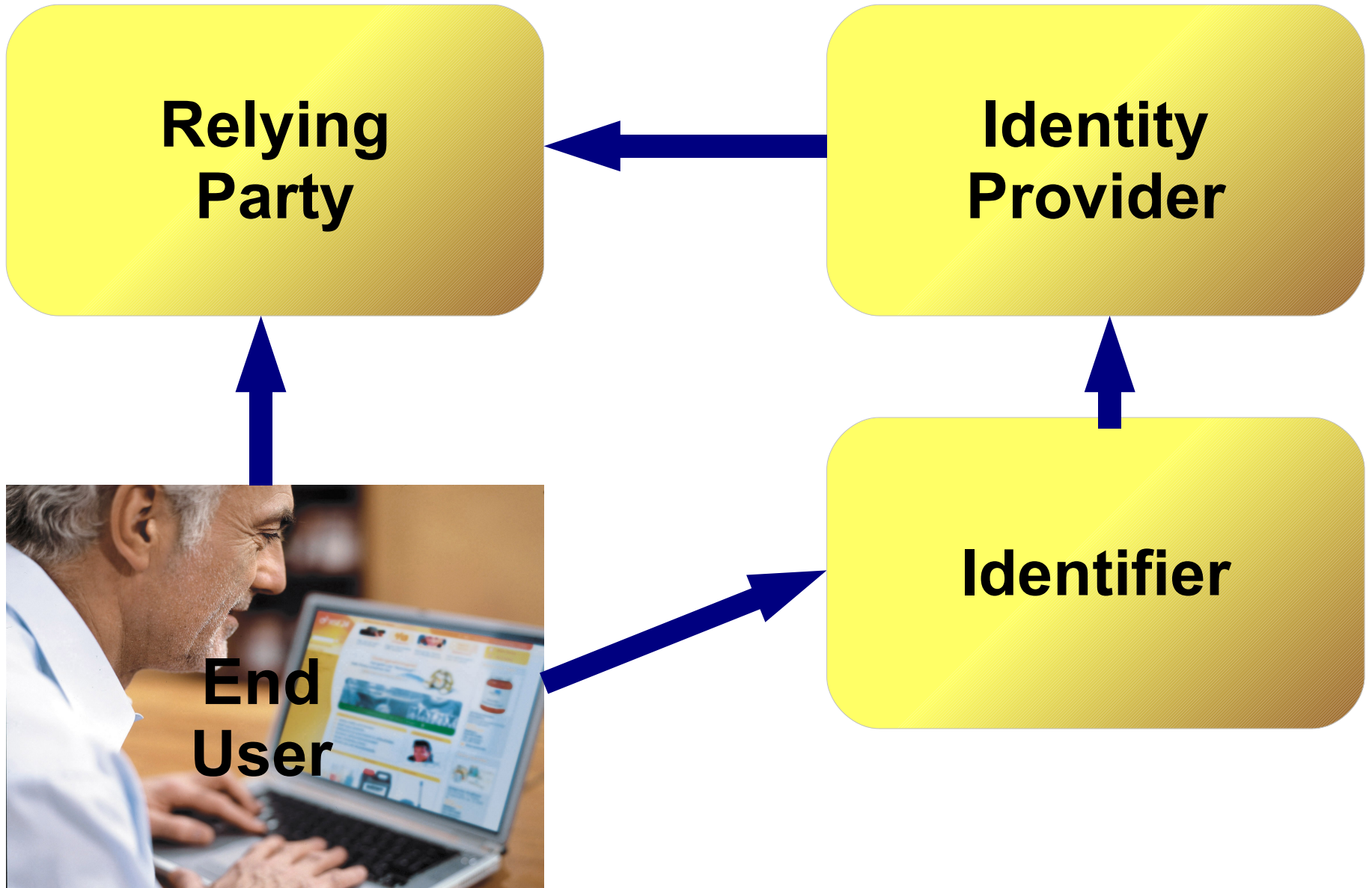
```
File Edit View Help
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head>
  <link rel="openid.server" href="http://jon.oxer.com.au/phpMyID-0.6/index.php">
  <link rel="openid.delegate" href="http://jon.oxer.com.au/phpMyID-0.6/index.php">
  <meta http-equiv="content-type" content="text/html; charset=ISO-8859-1" />
  <meta name="description" content="" />
  <meta name="keywords" content="" />
  <meta name="author" content="Internet Vision Technologies - http://www.ivt.com.au/ Design: Ar
<!-- <link rel="stylesheet" type="text/css" href="<link rel="stylesheet" href="/sb/styles/OSWDAndreas6

  <script type="text/javascript">
    var session_url = 'usertracker_public=7f64131d82340fe09e77efc37087d965
  </script>
  <script type="text/javascript" src="/sb/modules/core/javascript/ajax.js"></script>
  <script type="text/javascript" src="/sb/modules/core/script.js"></script>

  <script language="javascript" type="text/javascript">
    _editor_lang = "en";
    _editor_url = "/sb/modules/core/htmlarea";
  </script>
  <script language="javascript" type="text/javascript" src="/sb/modules/core/ht
```

Line 4, Col 87





Source of: <http://jon.ozer.com.au/> - Mozilla Firefox

File Edit View Help

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.1//EN" "http://www.w3.org/TR/xhtml11/DTD/xhtml11.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en">
<head>
  <link rel="openid.server" href="http://jon.ozer.com.au/phpMyID-0.6/index.php">
  <link rel="openid.delegate" href="http://jon.ozer.com.au/phpMyID-0.6/index.php">
  <meta http-equiv="content-type" content="text/html; charset=ISO-8859-1" />
  <meta name="description" content="" />
  <meta name="keywords" content="" />
  <meta name="author" content="Internet Vision Technologies - http://www.ivt.com.au/ Design: Ar
<!-- <link rel="stylesheet" type="text/css" href="<link rel="stylesheet" href="/sb/styles/OSWDAndreas6

  <script type="text/javascript">
    var session_url = 'usertracker_public=7f64131d82340fe09e77efc37087d965
  </script>
  <script type="text/javascript" src="/sb/modules/core/javascript/ajax.js"></sc
  <script type="text/javascript" src="/sb/modules/core/script.js"></script>

  <script language="javascript" type="text/javascript">
    _editor_lang = "en";
    _editor_url = "/sb/modules/core/htmlarea";
  </script>
  <script language="javascript" type="text/javascript" src="/sb/modules/core/ht
```

Line 5, Col 89

**So how does
sitebuilder
make use
of OpenID?**

**Partial
“Relying Party”
support**

Internet Vision Technologies

Administration

Username




Password

Login ?

OpenID

Login ?

User Client Info Company Emarketing **Access**

OpenID keys:	ivt.com.au/openid/jon jon.oxer.com.au <input type="text"/>	  
^ Username (6 to 20 characters):	jon	
Password:	<input type="password"/>	
Verify Password:	<input type="password"/>	
Client Number:	<input type="text"/>	
Question:	<input type="text"/>	
Answer:	<input type="text"/>	
Groups:	<input checked="" type="checkbox"/> admin <input type="checkbox"/> clients <input checked="" type="checkbox"/> public <input type="checkbox"/> resources	
Email Searching:	<input checked="" type="checkbox"/> Inherits From Group	
Home Share:	<input checked="" type="checkbox"/> Inherits From Group	

Contact: OXER Jonathan

Save **Save / Close**

**User's can't (yet)
manage the
OpenIDs attached
to their profile**

**User's can't (yet)
register with an
OpenID and have
sreg prefill it**

No

**“Identity Provider”
support (yet)**

funky

stuff

Pre-approved accounts

**Social
whitelists**

**AOL OpenID
“proves” their
IM details**

**A LiveJournal
OpenID lets you
get their RSS,
FOAF, LJ Jabber
details**

**A last.fm OpenID
could let you get
their taste in
music**

**“Identity
Projection”:
Prove to site X
that you are a
member of site Y**

**Proxies for
proprietary auth
APIs: Google,
Yahoo!, Facebook,
etc**

Introductio to OpenID

Thankyou :-)

Questions? Comments? Insults?

Slides: jon.oxer.com.au/talks

OpenID: www.openid.net

Questions: Jonathan Oxer jon@ivt.com.au