trois 2 one; TAG you’re IT

2011 technology and accessing information, clouds with silver linings and tagging data for archiving
10 minutes?

Not another technologist....

How users access content

Considerations for archiving digital information

It’s the end of the world as we know it

* This discussion is mostly about data which is *born digital*. 
# 3rd Base Networks

IT Security and Advisory consultancy focusing on the Australian telecommunications, ISP and Content Provider industries

<table>
<thead>
<tr>
<th><strong>What I say</strong></th>
<th><strong>What that normally means</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology Infrastructure Consultancy</td>
<td>Recommend a solution to our problem as we’ve all been fighting about it for months and we can’t decide what to do</td>
</tr>
<tr>
<td>Security Advisory</td>
<td>We’ve had a security issue and we need someone to fix it before it happens again OR We have very little security and we think we might need some</td>
</tr>
<tr>
<td>Product Selection and Implementation</td>
<td>We’ve already chosen what we want, but we need you to back us up then implement our grandiose plans (even if it’s not your recommendation)</td>
</tr>
<tr>
<td>Mr Wolf Services (ref: Pulp Fiction)</td>
<td>It’s all gone to custard, HELP! (and we’ve spent all our budget)</td>
</tr>
</tbody>
</table>
My career has mostly involved protecting and looking after data, rather than creating, selecting or editing.
Consuming information – where we’ve come from and where we are headed

Curbside deliveries to Virtual Reality Library interfaces
Chicago Library c.1947

Sydney’s Mitchell Library c.2008
Between 5 and 6 million items
The Libraries of the future

“It consists of a desk, and while it can presumably be operated at a distance, it is primarily the piece of furniture at which he works.

On the top are slanting translucent screens, on which material can be projected for convenient reading. There is a keyboard, and sets of buttons and levers.

(Vannevar Bush, “As We May Think”, Atlantic Monthly July 1945)
FOR THE M. Farm, Field and
The Balmy South—Concluded

SUNDAY TIMES (PERTH, WA: 1902-1954), SUNDAY 13 MARCH 1938
The National Archives of Australia ran the “Mapping our ANZACs” initiative, where they published the personnel records of our diggers, and the facilitated the general public to contribute stories, photos and other historical information to complement the official archive. This was a great example of how government can be a platform for innovation and capturing our history as a society.

The Powerhouse Museum has done a lot of innovative work, [such as the] OPAC, their online collection database, where the general public are encouraged to tag items, which helps searchability of artefacts as well as the cultural context of items to the community, which is invaluable to the historical archival of public knowledge.

<...> 

The Digitising the Dawn project, a small community driven initiative to digitise the The Dawn: a Journal for Australian Women conceived and published by Louisa Lawson from 1888 to 1905.

<...>

Finally, the Wikipedian in Residence initiative – several cultural institutions around the world including the British Museum, Versaille and the National Archives of America have brought in house wikipedians as voluntary guests to look at how they could better engage with the wikipedia community. This has resulted in a lot of updated articles on Wikipedia around cultural assets housed by those institutions, greater opening up of digitised cultural assets which creates public interest in the artefacts and the institutes, and finally has resulted public metadata practices around artefacts.

(Senator Kate Lundy, Accessing Australia: Challenges of Digitisation, pub: March 23 2011)
Other examples include:

• WIRED iPad app
• Zinio Magazine app
• iBooks
• eBook readers (eg, stanza)

Amazon offers approximately 875,000 Kindle books and offers another 2m ‘dead tree’ books
NEAL STEPHENSON
SNOW CRASH

“STEEPSON HAS NOT STEPPED, HE HAS VAULTED ONTO THE LITERARY STAGE WITH THIS NOVEL.” —LOS ANGELES READER

Format | Amazon Price | New from
--- | --- | ---
Kindle Edition | -- | $9.99
School & Library Binding | $20.48 | $20.48
Paperback | $10.20 | $6.89
Mass Market Paperback | -- | $10.90
Audio, Cassette, Abridged, Audiobook | -- | $5.88
Unknown Binding | -- | $17.95
Audible Audio Edition, Unabridged | $29.95 or Free with Audible 30-day trial
our hero enters a virtual world, which resembles his real world office

There is something new: A globe about the size of a grapefruit, a perfectly detailed rendition of Planet Earth, hanging in space at arm's length in front of his eyes. <...>

It is the user interface <...> to keep track of every bit of spatial information that [the company] owns - all the maps, weather data, architectural plans, and satellite surveillance stuff.

he touches the globe and] A man walks into the office.

The Librarian [virtual being] <...> looks like a pleasant, fiftyish, silver haired, bearded man with bright blue eyes, wearing a V-neck sweater over a work shirt, with a coarsely woven, tweedy-looking wool tie. The tie is loosened, the sleeves pushed up.

Even though he's just a piece of software, he has reason to be cheerful; he can move through the nearly infinite stacks of information in the Library with the agility of a spider dancing across a vast web of cross-references. <...>

"Yes, sir," the Librarian says. He is eager without being obnoxiously chipper, he clasps his hands behind his back, rocks forward slightly on the balls of his feet, raises his eyebrows expectantly over his half-glasses.

"Babel's a city in Babylon, right?" "It was a legendary city," the Librarian says. "Babel is a Biblical term for Babylon. The word is Semitic; Bab means gate and El means Cod, so Babel means 'Gate of Cod.' But it is probably also somewhat onomatopoeic, imitating someone who speaks in an incomprehensible tongue. The Bible is full of puns."

(Snowcrash, Neal Stephenson, 1992)
If it’s not digital it may get overlooked

The preference for researchers to physically touch a document or text is diminishing quickly.
Categorisation of information

In corporations the classification of data is often difficult to achieve. Many organisations are simply focused upon stopping company confidential data from leaving the organisation.

As such, email and even instant messaging systems are closely monitored.

Compliance rules in the USA have propelled this technology forward, with minimum compliance and reporting standards implemented for financial reporting (Sarbannes Oxley) and the maintenance of Health Records (HIPPA).
Transactional email message

Uniquely tagged

Built in meta data tags
Identifying the security of emails

Subject heading addition (usually after the original subject):

[SEC=<securityClassification>(:<category>)?,(CAVEAT=<caveatType>:<caveatValue>)*,(EXPIRES=(<genDate>|<event>), DOWNTO=<securityClassification>(:<category>)?)?, NOTE=<comment>)?, ORIGIN=<authorEmail>]

Internet headers:

X-Protective-Marking: [VER=<ver>, NS=gov.au, SEC=<securityClassification>(:<category>)?,(CAVEAT=<caveatType>:<caveatValue>)*,(EXPIRES=(<genDate>|<event>), DOWNTO=<securityClassification>(:<category>)?)?, NOTE=<comment>)?, ORIGIN=<authorEmail>]
Not the end of the world as we know it, just a new world to get to know

* The Internet is an unpredictable medium, some live demos may result in material offensive to some
Social Media

One organisation, 30 days

Not just who and when, but also where from and what was the tone.
## Tweets per Capita

A new SocioEconomic KPI

<table>
<thead>
<tr>
<th>Country</th>
<th>One Day in 2010 normalized</th>
<th>One Day in 2009 normalized</th>
<th>% Growth 2009 to 2010</th>
<th>2010 tweets per capita per month</th>
</tr>
</thead>
<tbody>
<tr>
<td>Singapore</td>
<td>688,781</td>
<td>90,937</td>
<td>757</td>
<td>4.5</td>
</tr>
<tr>
<td>Netherlands</td>
<td>1,170,748</td>
<td>204,560</td>
<td>572</td>
<td>2.1</td>
</tr>
<tr>
<td>Australia</td>
<td>1,286,871</td>
<td>377,808</td>
<td>341</td>
<td>1.8</td>
</tr>
<tr>
<td>New Zealand</td>
<td>245,378</td>
<td>65,601</td>
<td>374</td>
<td>1.7</td>
</tr>
<tr>
<td>USA</td>
<td>17,721,271</td>
<td>6,007,384</td>
<td>295</td>
<td>1.7</td>
</tr>
<tr>
<td>Canada</td>
<td>1,448,704</td>
<td>447,033</td>
<td>324</td>
<td>1.3</td>
</tr>
<tr>
<td>Ireland</td>
<td>189,753</td>
<td>35,182</td>
<td>539</td>
<td>1.3</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>155,392</td>
<td>16,057</td>
<td>968</td>
<td>1.2</td>
</tr>
<tr>
<td>Brasil</td>
<td>6,652,450</td>
<td>375,661</td>
<td>1,771</td>
<td>1.0</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>2,022,785</td>
<td>471,130</td>
<td>429</td>
<td>1.0</td>
</tr>
<tr>
<td>Norway</td>
<td>133,193</td>
<td>32,018</td>
<td>416</td>
<td>0.8</td>
</tr>
<tr>
<td>Aruba</td>
<td>2,853</td>
<td>784</td>
<td>364</td>
<td>0.8</td>
</tr>
<tr>
<td>Indonesia</td>
<td>6,134,744</td>
<td>110,098</td>
<td>5,572</td>
<td>0.8</td>
</tr>
<tr>
<td>Chile</td>
<td>432,243</td>
<td>40,064</td>
<td>1,079</td>
<td>0.8</td>
</tr>
<tr>
<td>Venezuela</td>
<td>707,650</td>
<td>18,142</td>
<td>3,901</td>
<td>0.8</td>
</tr>
<tr>
<td>Portugal</td>
<td>162,578</td>
<td>49,885</td>
<td>326</td>
<td>0.5</td>
</tr>
<tr>
<td>Netherlands Antilles</td>
<td>2,575</td>
<td>275</td>
<td>935</td>
<td>0.4</td>
</tr>
<tr>
<td>Malaysia</td>
<td>342,180</td>
<td>57,510</td>
<td>595</td>
<td>0.4</td>
</tr>
<tr>
<td>Belgium</td>
<td>130,715</td>
<td>35,520</td>
<td>368</td>
<td>0.4</td>
</tr>
<tr>
<td>Sweden</td>
<td>107,555</td>
<td>27,079</td>
<td>397</td>
<td>0.4</td>
</tr>
<tr>
<td>Germany</td>
<td>876,216</td>
<td>189,635</td>
<td>462</td>
<td>0.3</td>
</tr>
</tbody>
</table>

Source: PeopleBrowsr DataMine
NSW Labor has today warned of a threat to the environmental achievements and protections of the Labor government if the coalition has control of the upper House come March 27th.

Keneally: A Liberal government will be an environmental disaster
www.nswalp.com
Premier Kristina Keneally today warned about the environment, national parks, land clearing and climate change under a Coalition Government.

Jason Erdmann likes this.

NSW Labor
What's Barry hiding?
Here's another hint - on this page our candidate blogs that if it's built it will slash traffic in Western Sydney and connect major business centres... Let us know when you find what he's hiding!

NSW Labor - Home
www.nswalp.com
NSW Labor: Kristina Keneally has a plan to ease cost of living pressures and protect jobs.
“to the cloud” affects us all. Yes, even archivists.

Anarchists, too, are affected.
There are a number of much older forms of portable storage:

- 5.25" floppy 1.2Mb
- 3.5" floppy 1.4Mb
- CD-reWritable 650Mb
- DVD-reWritable 4.7Gb
- USB Flash 64Gb+
There are some new ones
<table>
<thead>
<tr>
<th>Compute</th>
<th>Messaging</th>
<th>Storage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amazon EC2</td>
<td>Amazon SQS</td>
<td>Amazon S3</td>
</tr>
<tr>
<td>Amazon EMR</td>
<td>Amazon SNS</td>
<td>Amazon EBS</td>
</tr>
<tr>
<td>Auto Scaling</td>
<td>Amazon SES</td>
<td>AWS Import/Export</td>
</tr>
<tr>
<td>Content Delivery</td>
<td>Monitoring</td>
<td>Support</td>
</tr>
<tr>
<td>Amazon CloudFront</td>
<td>Amazon CloudWatch</td>
<td>AWS Premium Support</td>
</tr>
<tr>
<td>Database</td>
<td>Networking</td>
<td>Web Traffic</td>
</tr>
<tr>
<td>Amazon SimpleDB</td>
<td>Amazon Route 53</td>
<td>Alexa Web Information Service</td>
</tr>
<tr>
<td>Amazon RDS</td>
<td>Amazon VPC</td>
<td>Alexa Top Sites</td>
</tr>
<tr>
<td>Deployment &amp; Management</td>
<td>Elastic Load Balancing</td>
<td>Workforce</td>
</tr>
<tr>
<td>AWS Beanstalk</td>
<td>Payments &amp; Billing</td>
<td>Amazon Mechanical Turk</td>
</tr>
<tr>
<td>AWS CloudFormation</td>
<td>Amazon FPS</td>
<td></td>
</tr>
<tr>
<td>E-Commerce</td>
<td>Amazon FPS</td>
<td></td>
</tr>
<tr>
<td>Amazon FWS</td>
<td>Amazon DevPay</td>
<td></td>
</tr>
<tr>
<td>Servers</td>
<td>Inter-application messaging</td>
<td>Storage / Space</td>
</tr>
<tr>
<td>---------</td>
<td>-----------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>As much computing power as you could need. Scales automagically to meet requirements.</td>
<td>Simple ways to allow databases and applications to talk to each other. Also includes an email service</td>
<td>Essentially unlimited storage</td>
</tr>
<tr>
<td>Distributed data centres</td>
<td>Monitoring and availability</td>
<td>Support</td>
</tr>
<tr>
<td>High speed delivery network</td>
<td>Availability monitor</td>
<td>Support from real people</td>
</tr>
<tr>
<td>Databases</td>
<td>Smart network routing</td>
<td>Web and Application reporting</td>
</tr>
<tr>
<td>Dedicated database servers. Most popular database servers pre-built</td>
<td>Load balancing, fastest path routing, AWS network avoids slow Internet links where possible</td>
<td>Reporting, management level reports as well as nuts and bolts style</td>
</tr>
<tr>
<td>Templated server images</td>
<td>Payment gateways</td>
<td>Workforce hire</td>
</tr>
<tr>
<td>Automated templated server creation and deployment</td>
<td>Allows you to receive credit card and other types of payment without complex banking relationships</td>
<td>Connecting businesses with human workforces for rent, to do tasks such as identify categories of photos, translate texts or do data entry</td>
</tr>
<tr>
<td>eCommerce shopping baskets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Link Amazon’s ecommerce backend and logistics arm to your own website</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All by the hour, on your credit card
We’ll do all the technical backend stuff, make sure the access to the content is quick, is backed up and is easy for you to scale up when your content is popular, and scale down when your users are on holidays. Pay by the hour.

We’ll help with online payments, shopping carts, how applications talk to each other and even logistics of getting the goods to your customer. You’ll get reports of how well things are going.

Get them doing more interesting things than running servers and annoying business users. For starters they can clean up their office space, write some documentation, or file something.
radiation detectors found minute traces of contamination on sailors and equipment.

Nature has helped to minimize airborne exposure since the quake, as winds from the northwest have blown many emissions from the plant out to sea. But is expected to change through Wednesday, bringing more of the material to the southwest and over.

"People are watching who lives in Kawasaki. "And people have greater about the nuclear power plant incident."

CNN's Junko Ogura, Cat contributed to this report.
Connect anyone
Access any thing
From anywhere
On any device
At any time
Thanks

Stephen Gillies
max@3rdbasenetworks.net.au
0409 245 888
On wikileaks and Amazon Web Services

Amazon's statement on the matter is as follows: "our terms of service state that 'you represent and warrant that you own or otherwise control all of the rights to the content... that use of the content you supply does not violate this policy and will not cause injury to any person or entity.'

It’s clear that WikiLeaks doesn’t own or otherwise control all the rights to this classified content. Further, it is not credible that the extraordinary volume of 250,000 classified documents that WikiLeaks is publishing could have been carefully redacted in such a way as to ensure that they weren’t putting innocent people in jeopardy."

(wikipedia)
Self Publishing

CreateSpace, a member of the Amazon group of companies, provides one of the easiest, fastest and most economical ways to self-publish and make your content available to millions of potential customers on Amazon.com and other channels. Media formats supported through CreateSpace include books, DVDs, CDs, video downloads and Amazon MP3s.

With the CreateSpace manufacturing-on-demand model, your products will be produced as customers order, so you don't have to make an up-front investment in inventory. Plus, CreateSpace takes care of the customer service and order fulfillment on your online retail orders, so you can focus on promoting your titles.

**Why Choose CreateSpace for Self Publishing?**

- No membership or title set-up fees.
- Flexible royalty model puts you in control.
- A growing community of passionate authors, filmmakers and musicians sharing resources and tips for success.
- A non-exclusive agreement keeps your future publishing and distribution options open.
- Free CreateSpace ISBN or UPC if you don't yet have one.

**Get Started**

Getting started is quick and easy. Simply follow these steps and you'll be on your way to self-publishing success!

1. Visit [CreateSpace.com](http://createspace.com) to sign up for your free account.
2. Submit your content.
3. Select your sales channels and start selling!

Self-publish and distribute your books, video and music on-demand through CreateSpace - get started now