When Facebook, Flickr and Twitter Are Your Estate, What’s Your Legacy?

Evan Carroll and John Romano

Foreword by Omar L. Gallaga, contributor to NPR’s All Tech Considered
Your Digital Afterlife:
When Facebook, Flickr and Twitter Are Your Estate, What's Your Legacy?
Evan Carroll and John Romano

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# CONTENTS

Foreword .............................................. xiv

1 Introducing the Digital Afterlife. .......................... 1
   Why Is This Happening? ................................... 2

## YOUR DIGITAL LIFE: DEATH, AND BEYOND

2 The Shift to Digital ...................................... 9
   News from the Front ........................................ 10
   Physical to Digital .......................................... 14
   The Benefits of Physical and Digital .................. 16
   What Do We Lose? What Do We Gain? ................. 17

3 A Well-Lived (Digital) Life ............................... 19
   Culture Shift ............................................... 23
   Our Growing Dependence on Digital Institutions ... 26
   Each Individual Makes a Culture ....................... 29

4 The Artifacts of Your Life ................................ 31
   Digital Creations .......................................... 32
   Digital Reflections ........................................ 34
   Digital Collection ........................................ 36
   How Much Do I Have? ..................................... 37
   Where Is It? ................................................ 39
   Who’s Responsible for It? ............................... 40
   So What? .................................................... 41

5 The Value of Digital Things ............................... 43
   Value ....................................................... 44
   New Forms of Expression ................................ 46
   Identity ..................................................... 48
Shared Experiences .......................................... 51
So, Why Does This Matter? ............................. 52

6  What You Leave Behind ................................. 53
Passing On Physical Objects ............................. 54
Passing On Digital Objects ............................... 55
Why We Pass Things On ................................ 58
Value Changes from Person to Person ............... 60

7  The Opportunity of Digital Legacy .................. 63
The Birth of the Digital Legacy .......................... 67
Immortal Issues ............................................ 69

8  Your Legacy at Risk ...................................... 73
Awareness .................................................... 75
Access ......................................................... 76
Ownership ................................................... 78
Preservation .................................................. 79
But Wait, There’s Hope .................................... 83

9  The Birth of an Industry ................................. 85
Digital Estate Planning ................................... 87
Posthumous Messaging .................................... 89
Online Memorials .......................................... 90
Other Services ............................................. 92
What’s Next? ................................................ 93

Securing Your Digital Legacy

10 Before You Begin ......................................... 99
Your Digital Executor and Heirs ....................... 100
Your Digital Assets ........................................ 101
Access Equals Control ................................... 101
Lack of Permanent Solutions ........................... 102
The Process ................................................. 102
How Do I Get Started? ................................... 104
## CONTENTS

<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>Computers and Devices</td>
<td>107</td>
</tr>
<tr>
<td></td>
<td>Awareness</td>
<td>112</td>
</tr>
<tr>
<td></td>
<td>Access</td>
<td>113</td>
</tr>
<tr>
<td></td>
<td>Wishes</td>
<td>115</td>
</tr>
<tr>
<td>12</td>
<td>Email</td>
<td>119</td>
</tr>
<tr>
<td></td>
<td>Awareness</td>
<td>122</td>
</tr>
<tr>
<td></td>
<td>Access</td>
<td>123</td>
</tr>
<tr>
<td></td>
<td>Wishes</td>
<td>127</td>
</tr>
<tr>
<td>13</td>
<td>Social Websites</td>
<td>133</td>
</tr>
<tr>
<td></td>
<td>Awareness</td>
<td>135</td>
</tr>
<tr>
<td></td>
<td>Access</td>
<td>137</td>
</tr>
<tr>
<td></td>
<td>Wishes</td>
<td>139</td>
</tr>
<tr>
<td>14</td>
<td>Finance and Commerce</td>
<td>149</td>
</tr>
<tr>
<td></td>
<td>Awareness</td>
<td>151</td>
</tr>
<tr>
<td></td>
<td>Access</td>
<td>154</td>
</tr>
<tr>
<td></td>
<td>Wishes</td>
<td>155</td>
</tr>
<tr>
<td>15</td>
<td>Create Your Plan</td>
<td>157</td>
</tr>
<tr>
<td></td>
<td>Digital Estate Services</td>
<td>159</td>
</tr>
<tr>
<td></td>
<td>Posthumous Email Services</td>
<td>160</td>
</tr>
<tr>
<td></td>
<td>Do-It-Yourself Methods</td>
<td>162</td>
</tr>
<tr>
<td></td>
<td>Issues</td>
<td>164</td>
</tr>
<tr>
<td></td>
<td>How Do I Decide?</td>
<td>166</td>
</tr>
<tr>
<td></td>
<td>Adding Legal Weight</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td>What's Next?</td>
<td>168</td>
</tr>
<tr>
<td></td>
<td>Epilogue: The Future of Digital Death</td>
<td>171</td>
</tr>
<tr>
<td></td>
<td>The Burden of the Past</td>
<td>172</td>
</tr>
<tr>
<td></td>
<td>The Creation of Standards</td>
<td>173</td>
</tr>
<tr>
<td></td>
<td>The Future of Cultural Research</td>
<td>174</td>
</tr>
<tr>
<td></td>
<td>Connected Cemeteries</td>
<td>174</td>
</tr>
<tr>
<td></td>
<td>Experiencing the Past</td>
<td>175</td>
</tr>
<tr>
<td></td>
<td>Some Parting Thoughts</td>
<td>176</td>
</tr>
</tbody>
</table>
FOREWORD

By Omar L. Gallaga

In March 2009, the authors of Your Digital Afterlife co-presented a “Core Conversation” at the South by Southwest (SXSW) Interactive Festival called “Who Will Check My Email After I Die?” Core Conversations are stripped-down panels with only one or two speakers and lots of audience participation. By all accounts, the discussion, which was also facilitated by entrepreneur Matt Ludwig, was a huge success. It generated enthusiastic chatter from several people I was following on Twitter, was the jumping-off point for several great blog entries on the subject of the digital afterlife, and was even mentioned on the NPR segment I contribute to, “All Tech Considered.”

I missed it.

You have to understand, SXSW Interactive lasts five days and, as a local tech reporter, I try to cover it like a huge, stretched-out, hard-working blanket. The Core Conversation was held at 5 p.m. on Tuesday, the last day of the festival, and by that point I was a threadbare, tattered sheet of a man. As I blogged away on my laptop and saw that the time was drawing near for the last slot of the last set of panels of the fest, I decided to stay put in the luxurious, very fun Blogger’s Lounge. A newspaper colleague of mine was already covering the panel and, I thought to myself, if the session were going to be that great, why would they stick it in that slot? It was, poetically, an actual death slot. I mean, come on. Come on.

Also, they were serving beer in the Blogger’s Lounge.

One year later, two discussions on death and digital data were held in that same regrettable SXSW Interactive death slot, but this time I made sure to attend. There’s nothing like living with deep regret for twelve months to encourage better decision making.

Omar L. Gallaga

Photo: Mark Matson, Austin American-Statesman
And speaking of regret...the book you hold in your hands (or are reading in electronic form) is a big ball of warnings and solutions to a set of problems that is looming large in every one of our lives. Death, inevitable, is coming for each of us, but what happens to all the data we consume and create is a question that has never been harder to answer.

Just as it’s hard to care about doing regular backups for your computer until data disaster strikes, nobody enjoys thinking about where all our emails, MP3s, Facebook profiles, and tweets will end up when we go to what the TV show *Lost* might call, “The Great Sideways.” (Retroactive spoiler there. Sorry.) One thing’s for sure: That data doesn’t just go away, as much as we’d like it to, when we are gone. And it isn’t all just freely available to family members who might seek to preserve your digital legacy.

Death, inconvenient, brings with it many thorny problems in regard to privacy, ownership, and your data’s value, in both sentimental and monetary measures. What exactly is a high-level World of Warcraft account worth to a deceased player’s family? Should the contents of emails belonging to a soldier killed in action be bequeathed to a spouse or parents? Are there things you can do to plan ahead or should you rely on the many companies that have sprung up to help you deal with digital death details?

Luckily, you don’t have to navigate the choppy legal waters or debate the moral questions around these issues; Evan Carroll and John Romano have done that for you. They offer in this book not only stories of grief-stricken people affected by these issues, but practical ways to protect your legacy and to deal with the terms of service for popular online services should you ever be in the terrible position of caretaking a loved one’s digital dynasty.

It’s good information you won’t want to miss the way I did the first time around.

Omar L. Gallaga is a technology culture reporter for the Austin American-Statesman, where he also writes on the blog Digital Savant. He’s a contributor to NPR’s “All Tech Considered” segments and has written for CNN.com, The Wall Street Journal, MSNBC.com, and Hispanic magazine. His own blog is at Terribly-Happy.com.
We all die. *The goal isn’t to live forever, the goal is to create something that will.*

—CHUCK PALAHNIUK
CHAPTER 4

THE ARTIFACTS OF YOUR LIFE
You may not realize it but you’re the exact cause of this cultural shift to digital things. You, along with millions of others, are creators and collectors, curating a rich collection of digital things around you.

It’s easy to assume that your digital things aren’t significant. After all, they take up virtually no physical space and you don’t see them everyday. But as you live an increasingly digital life, this collection grows. It’s more than just computer data, it’s a set of artifacts that has the potential to chronicle your life.

Throughout this chapter, envision yourself at the center of a digital universe of content. We’ll explore each part of it, how much you have, and where it’s stored.

Digital Creations

Within the universe of your digital things, you’re most closely connected to the things that you create. People have created things for centuries, that’s nothing new. Digital technology, however, has changed the way we create and the amount we create. You probably create new digital things everyday, but if asked to name all those things you probably couldn’t. That’s because we don’t think twice about many of them.
You’re creating new digital things, like photos, email, and videos.

If asked to think of the things you have created, you would probably list things you spent a lot of time and energy on. Maybe it’s a song or the perfectly shot photograph. These works of art are certainly things you created and are important parts of your digital content, but there’s much more than that to consider.

Do you think of your Facebook profile as your creation? How about your tweets (brief status updates posted on twitter.com)? These new means of expression are a part of the Internet called Web 2.0 or the Social Web. It includes websites that would not exist without the content that its users create. These sites actually encourage us to create content. Some reward us in some way for our contributions. Others rely on social pressure from our friends to participate.

Individually and cumulatively, the small things you create are an important part of your digital content. Small things like Facebook status updates, tweets, and blog comments should all be considered. You probably couldn’t name all of these individually, but they are connected back to you via an identifier like an email address or user name.

Of course, you need to consider the more significant digital things you create, like photos, emails, and videos too. Not to mention those things that you may have converted from analog by recording or scanning them.
Digital Reflections

In most cases, your content is not created in isolation. It’s connected to others within a content ecosystem.

You create something new when you reflect upon someone else’s content. And it happens in reverse when they reflect upon your content. Either way, these contributions add up to something greater than the sum of its parts.

Aggregates

Let’s say you create a blog where you post quotes, photos, and videos that you find interesting. The blog itself, as an aggregate, is a new expression even though the components were created by someone else. A friend of ours has created a blog at Tumblr (shown on page 35). The collection of entries on his tumblelog is uniquely shaped by his interests and expresses a new idea, one that’s greater than the ideas that each original object expresses individually. Even if you do not have a blog, you’re doing the same thing when you share a link on Facebook—perhaps to say you “like” this book. It’s another way of saying that you identify with the content in question.

Shared Interactions

Increasingly, social websites allow us to respond to the content of others, and vice versa. The most classic example is a comment on a blog. After reading the post, you can add your own ideas at the end. Often this starts a conversation between two or more people. Your comment is clearly marked as yours, but it has a relationship back to the author of the article or to other comments. In this case, your comment is a new creation that reflects on their post and your attitudes.

Regardless of who starts the conversation, these interactions add to your own content and to theirs at the same time. Internet-based communication has given us the first reliable opportunity to document and study these shared interactions. It’s helped us realize that you can learn a lot about a person from the way others respond to them. Fascinating stuff. Your participation is part of your collection. Your participation in these interactions is a creation of your own.
Ravingsane, a tumblelog curated by a friend of the authors (anonymous by request).
You should also know that these interactions are not generally as drawn-out a process as this analysis might suggest. It happens rapidly and almost without notice. Twitter is a great example. To many, Twitter is an information network. It’s how they remain connected to the happenings among their friends and around the world. Let’s say that you post a tweet that offers your opinion on a current event. Others who agree or disagree could decide to respond by expressing their view. Those who agree might retweet or post a copy of your message, sending your opinion out to their followers with their blessing. They are effectively aggregating your thoughts along with others into their profile. Or they might agree only in part and add their own new thoughts. Others might respond by creating new posts that disagree, but, in all cases, they have reflected on your original post.

New forms of communication continue to break down the separation between creation and reflection. These acts of communal content creation stretch our understanding of ownership. But regardless of who owns it, your contribution adds to your digital collection.

Digital Collection

It probably isn’t your mission in life to amass a collection of things, but you do so whether you realize it or not. We tend to think of collections as groups of things that have a specific theme. You may know people who collect physical things like coins, teddy bears, or decorative plates. In those collections one thing holds true: The collection has a theme. And the collector can easily tell you if a particular object does or does not belong in the collection.

While you may have many collections, all the things you own combined create a greater personal collection where the theme is you. You are the arbiter of what belongs or does not belong.

Increasingly, the things you gather for that collection are digital. This includes both things that you obtained and things that were sent to you. Songs you’ve downloaded on iTunes or email messages you’ve received are good examples. These things were created by someone else, but you now have a copy of them in your digital collection and your copy is exactly like theirs. That’s one of the most powerful ideas about digital files: Two can be exactly the same.
So, there you have it: The things you gather join your greater digital collection alongside the new things and reflections you’ve created. That sounds like a lot of content, and that’s exactly the case. And, you guessed it, it’s only going to grow.

**How Much Do I Have?**

You have a lot of data—much more than you realize. But to help you understand the magnitude, we’re going to put that statement into context. Let’s first break down how digital assets are measured: You can count how many items there are, and you can see how much computer disk space they take up—their file size.

**File Sizes**

The more content you have in a computer file, the larger it is. I’m sure you’ve experienced file-size limits when trying to email large files. There is a range of file sizes (see the list below), but it makes more sense to talk about size in context of things you create, like documents, photos, and videos.
Let’s say that you have an 8,000-page document. That’s roughly the length of this book 40 times over. That may seem like a lot, but in terms of file size it’s about 80 megabytes, without any images.

As a comparison, 80 megabytes is about the same file size as 40 5-megapixel photographs. You can fit roughly 325 of those on a CD.

Let’s make one more comparison. The iPhone 4 creates HD video (720p) that will consume 1.3 megabytes every second. This means that a minute of video is the equivalent of 40 5-megapixel photos.

### Units of File Storage

Here’s a handy list to show the increments of file storage. It all starts with a bit (b), which is the smallest piece of data, stored as either 0 or 1.

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<th>Unit</th>
<th>Value</th>
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<tr>
<td>Byte (B)</td>
<td>8 bits</td>
</tr>
<tr>
<td>Kilobyte (KB)</td>
<td>1,000 B</td>
</tr>
<tr>
<td>Megabyte (MB)</td>
<td>1,000 KB</td>
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<td>Zettabyte (ZB)</td>
<td>1,000 EB</td>
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Your Footprint

You’re probably thinking, what do these files sizes have to do with my digital collection? As we said above, it’s the unit of measure for computer file size. So let’s figure out the potential size of your digital collection.

In 2008 Google reported that it was processing 20 petabytes of user-generated content each day. Stephen Bulfer, CEO and founder of LifeCellar.com, estimates that we’ll each create 88 gigabytes in a lifetime.

As of this writing in 2010, there are 1.75 billion active Internet users worldwide. Based upon Google’s assertion, Bulfer calculates that each user generates 3.3 megabytes daily. With a 75-year average lifespan, that’s 88 gigabytes in a lifetime. That number contains only the things you create and share online—that estimate could still be low. Considering that the content we create grows more sophisticated daily and thus file sizes are soaring higher, we can only predict that the amount of content will continue to grow.

It’s difficult to quantify exactly how much data we’re talking about, but consider these facts: YouTube has reported that 24 hours of video are uploaded to their servers every minute. And the Radicati Group has projected that an average of 247 billion emails are sent per day. We could go on and on naming big numbers, but you get the idea—we’re creating a lot of data.

Where Is It?

Today your content probably exists all over the place. Most, if not all, of it is located either on a computer or storage device in your home or office or on a server somewhere that is connected to the Internet. In computing, we refer to storage on your computer or device as local storage and storage on Internet servers as cloud storage. Over the past several years, especially since the emergence of tools like Facebook, Flickr, and YouTube, more and more content is stored in the cloud. Let’s use your photos as an example.
Your content is transitioning from physical storage to local digital storage to cloud storage.

Until ten or fifteen years ago, a photograph was a physical product that was either developed at a lab or instant, like a Polaroid. If you wanted to store your photographs, you probably put them in a box or photo album in your home. When digital cameras emerged, suddenly we could have a digital photo instantly. The product was digital and had to be stored in a digital medium. Of course, you probably printed some digital photographs, but I bet you have many, many more stored on your computer than printed.

But we’re not just keeping these photos locally on our computers; we’re placing them on the Web for others to view. Websites like Flickr and Picasa specialize in helping us do just that. Now we even have smartphones that allow us to shoot and share a photo in seconds.

We’re pushing content into the cloud and in effect scattering our photos across numerous computers on the Internet. While this may be more difficult to manage, the ability to access them from anywhere and easily share them with others is quite desirable.

This shift to cloud storage is significant and one of the primary reasons we wrote this book. One of many issues with preserving your digital content is that much of it does not reside on a computer over which you have direct control. Increasingly individuals are relying on websites to store their content, and that can cause numerous problems if the service goes out of business or the password is lost. We’ll talk more about these challenges in Chapter 5, The Value of Digital Things, and in the second half of this book we will help you overcome them.

Who’s Responsible for It?
In short, you are solely responsible for your own digital content. As we said earlier, you’re at the center of it and it’s through your curation that it’s all connected. After you die, those connections may cease
to exist and your collection of content can drift apart. With physical things, that’s exactly how it happens. After an individual’s death, the surviving family comes to the residence, divides up the possessions, and takes them as their own. Suddenly the original collection no longer exists.

You have a chance to change that. One of the unique features of digital things is that two exact copies can exist or one copy can be accessed in multiple places at one time. Your digital content can remain connected to you, but still be in the care of your heirs. It’s a possibility that’s quite exciting.

**So What?**

At this point you’ve considered your digital content, where it might be, how much you have, and your responsibility for it. And your next question is probably, “Why do I care?” That’s a good question.

With many of our possessions in digital form and new assets continually being created, a significant and growing part of your estate is now digital. All of these digital things are more important than you might think. That’s exactly what we’re going to talk about next.
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INDEX

A
Account Incinerator (Entrustet), 139
Android, 124
Apple
digital legacy, position, 94
Mail (for Mac), 123, 127
Numbers, 104
applications, on demand via Internet, 188
ArchiveFacebook, 182
archiving
computers/devices, 110–111
stating wishes, 116
digital assets, 79, 92–93
email, 125, 127
social websites, 142–143
tools, 181
AssetLock, 183
AT&T, terms of service, 121

B
backing up digital assets. See archiving
Backupify archiving tool, 181
BackupMyTweets, 182
banking. See financial and commerce accounts
Bcelebrated
online memorial services, 90–91, 183
posthumous email services, 183
Berners-Lee, Tim, 86
Beyer, Gerry, 186
Bina48 robot, 176
BlackBerry, 124
BlogBackup archiving tool, 181
Blogger, 135
blogosphere, 74
blogs
archiving content, 181
executors, instructions for, 139–144
using
daily digital creations, 33
digital reflections, 34–36
websites/applications, 135
Utterz/Utterli’s failure, 28

Boomer generation
cell phone and texting, 26
definition, 25
digital assets, fate of, 57
Internet behaviors, 26
bradlands.com, 74
Brightkite, 135
Buffer, Stephen, 39

C
Cadenhead, Rogers, 57
carbonite.com backup service, 111
Carnegie Mellon University, 175
cell phones. See computers/devices
cemeteries with digital headstones, 174–175
Cerf, Vinton, 80
China, online memorials, 91
Chrome for Mac or Windows
checking for forgotten accounts, 180
digital estate management, 124
ClaimID, 70–71, 76
Clinton, Bill, 20
cloud, 188
cloud computing, 188
cloud storage, 109
versus local data storage, 39–40, 111
Clusterfook.com, 141
Comcast, terms of service, 121
computers/devices, 16–17, 23. See also digital assets/collections
behaviors by generations, 26
desktop and laptop, 23
digital estate planning
adult content, 112
asset access, 113–115
asset backups, 110–111
asset inventory, 104, 108, 112
backups, 39–40, 79, 92–93, 110–111
DRM (Digital Rights Management), 110, 188
executors, awareness of assets, 112
executors, instructions for, 116–117
heirs, designating, 115–116
legal position, 110
master key to all digital assets, 109
work computers, 110
files
on devices, 108
local versus cloud storage, 39–40, 111
outdated media and formats, 80–82
sizes, 37–38, 80
culture shift
connectedness, 24–25
dependence on digital institutions, 26–28
generational differences, 25–26
Internet as source of cultural research, 174
physical to digital assets, 2, 14–17
value of, 29
technological tools, 23–24
digital assets/collections, 36–37. See also
computers/devices; email/email accounts;
physical assets/collections
burdens of the past, 172–173
creating assets
cost of, 18
individual responsibility, 40–41
as creative outlets, 18
digital footprint, 39
fate of, 57–58
heirs, passing on assets to, 55–58
reasons why, 58–60
value changes from person to person,
60–61
issues after death (See digital estate planning)
lack of legal frameworks/policies, 88, 110
lifelogging, 47
and physical assets
benefits/drawbacks, 16–18
shift from physical, 2, 14–17
shift from physical, value of, 29
policies for afterlife, 173–174
unaddressed challenges, 4
reflections of individuals, 3
representations based on individual’s online
content, 176
stability of companies, 28
value of, 44–46, 52
emotionally, 59–60
to families, 59
financially, 58–59
historically, 59
from person to person, 60–61
The Digital Beyond blog, 186
digital collections. See digital assets/collections
digital estate planning, 183–184, 186. See also
digital afterlife services
basics, 87–88
computers/devices
adult content, 112
asset access, 113–115
asset backups, 110–111
asset inventory, 104, 108, 112
backups, 39–40, 79, 92–93, 110–111
DRM (Digital Rights Management), 110, 188
executors, awareness of assets, 112
executors, instructions for, 116–117
heirs, designating, 115–116
legal position, 110
master key to all digital assets, 109
work computers, 110
decision-making criteria
for digital estate services, 166–167
with do-it-yourself methods, 167–168
with posthumous email services, 167
digital executors, designating, 158
with digital estate services, 160
with do-it-yourself methods, 163–164
with posthumous email services, 162
early services, 86–87
e-mail/email accounts, 89–90, 101, 120–121
asset access, 123–127
asset inventory, 104, 123, 131
executors, awareness of assets, 122–123
executors, instructions for, 127–130
heirs, designating, 130
terms of service, 121
financial and commerce accounts, 150–151
asset access, 154
asset inventory, 104, 153–154, 156
executors, awareness of assets, 151–153
executors, instructions for, 155
heirs, designating, 155–156
future of, 168–169
heirs, designating, 158, 165
inventory and instructions, storing, 158
with digital estate services, 159
with do-it-yourself methods, 162–163
with posthumous email services, 161
issues
age/ability of individuals, 165–166
heirs, number of, 165
security, 164–165
trigger reliability, 166
updatability, 165
legal frameworks/policies, lack of, 88, 102
social websites, 135
asset access, 137–138
asset archiving, 142–143, 181
asset inventory, 104, 136, 138, 147
executors, awareness of assets, 135–136
executors, instructions for, 139–144
heirs, designating, 139
online memorials, 142, 145
terms of service, 144–147
triggers for plan execution, 158
with digital estate services, 160
with do-it-yourself methods, 163
with posthumous email services, 162
Digital Estate Planning blog, 186
digital executors, 100–101
awareness
of computers/devices, 112
of e-mail/email accounts, 122
of financial and commerce accounts, 151–153
of social websites, 135–136
criteria for selecting, 164, 188
designating, 158
with digital estate services, 160
with do-it-yourself methods, 163–164
with posthumous email services, 162
legal executors, 168
triggers, 103, 158, 190
with digital estate services, 160
with do-it-yourself methods, 163
with posthumous email services, 162
digital legacy, 3–4. See also legacy
active or passive collection, 69–70
birth of, 67–69
emotional economics, 71–72
experiencing individual’s past, 175–176
position of major players, 94
posthumous identity issues, 69–71
record-breaking growth, 176–177
risks
of extinction, 4
of handling contrary to personal wishes, 75–76
digital lifestyle
culture shift, 23–26
lifestream, 189
technology
available 24-hours daily, 22–23
transforming daily experiences, 3
digital photo frames, 15
digital estate planning services, 87, 139, 160, 183
DNS (Domain Name System), 138, 188
domain name registration, 138, 188
Dosch, Nathan, 186
Downloader archiving tool, 182
DRM (Digital Rights Management), 110, 188

Ebay accounts, 150
eBay, 56
Ellsworth, John, 13, 78, 120–121
Ellsworth, Justin, 11
communication, Vietnam era versus Iraq era, 13–14
e-mails from Iraq, 12–13, 46, 76, 78, 88, 120
e-mail/email accounts. See also digital assets/
collections
daily digital creations, 33
digital estate planning, 89–90, 101, 120–121
asset access, 123–127
asset inventory, 104, 123, 131
executors, awareness of assets, 122–123
executors, instructions for, 127–130
heirs, designating, 130
terms of service, 121
forgotten accounts, checking for, 180
John Ellsworth’s legal battle, 13, 78, 120–121
Justin Ellsworth’s communication, 12–13, 46, 76, 78, 88, 120
master key to all digital assets, 152
messages sent daily, 39
photo/video sharing, 15, 135
posthumous email services, 129
basics, 89–90, 160–161
digital executors, 162
inventory storage, 161
list, 183–184
triggers, 162
Entrustet
blog, 186
digital estate planning services, 87, 139, 160, 183
Estate++, 183
The Estate Vault, 184
executors. See digital executors; heirs
Executor’s Resource, 183

F
Facebook
archiving accounts, 143
1000Memories, 181
ArchiveFacebook, 182
SocialSafe, 182
connections/messages, 135
digital reflections, 34
faceting communications with lists, 49–50
as master keys for authentication, 137
membership/daily postings, 33, 134
memorial profiles, 142
burdens of past, 172
photo sharing/storage, 15, 135
privacy policy backlash, 27
terms of service, 145
Thefacebook, 86
value of content, 44
video sharing/storage, 135
Facebook Places, 47
FinalThoughts.com, 86
financial and commerce accounts, 21–22
digital estate planning, 150–151
asset access, 154
asset inventory, 104, 153–154, 156
executors, awareness of assets, 151–153
executors, instructions for, 155
heirs, designating, 155–156
Firefox for Windows or Mac
checking for forgotten accounts, 180
digital estate management, 124
Flickr
archiving tools
  Downloadr, 182
  Flickr Backup, 182
  FlickrEdit, 182
photo sharing/storage, 15, 40, 135
  stability of, 28
terms of service, 144
video sharing, 135
Flickr Backup, 182
FlickrEdit, 182
forced heirship, 54, 188
forgotten accounts, checking for
e-mail accounts, 181
Web browsers, 180
Foursquare, 47, 135
France, forced heirship, 188

G
Gen X generation
cell phone and texting, 26
definition, 25
digital assets, fate of, 57
Internet behaviors, 26
Gnolia.com, 28
Goffman, Erving, 48–49
GoneTooSoon, 185
Google
  Cerf, Vinton, 80
  Chrome for Mac or Windows
    checking for forgotten accounts, 180
digital estate management, 124
daily content processed daily, 39
digital legacy, position, 94
Gmail, terms of service, 121, 145
Picasa
  face recognition feature, 18
  photo sharing/storage, 40, 135
Google Docs, 22
digital asset inventory, 104
Gowalla, 47, 135
Graham, Brad, 74–76, 139–140
Great Pyramid of Giza, 64
GreatGoodbye, 89, 162, 184

H
Harpold, Leslie, 56–57, 74
harpold.com, 56
Haughey, Matt, 75
heirs, 188
designating, 158, 165
  for computers/devices, 115–116
  for e-mail/e-mail accounts, 130
  for financial and commerce accounts, 155–156
  for social websites, 139, 144–147
forced heirship, 54, 188
passing on assets
digital, 55–58 (See also digital estate planning)
physical, 54–55
reasons why, 58–60
value changes from person to person, 60–61
Hewett, Wilber
  identity preservation, 65–66
  value of photos, 44–45

I
Identity Ecosystem Framework, 69
identity projection
  into cyberspace, 48–49
  faceted identities, 49–50
  shared experiences, 51
idrive.com backup service, 111
ifidie.org, 162, 184
IMAP (Internet Message Access Protocol), 188
Internet
  behaviors by generations, 26
  burdens of past, 172–173
cultural research source, 174
need for digital afterlife policies, 173–174
stability of companies, 28
users worldwide, 39
versus Web, 23
Internet Archive, 173
Internet Explorer for Windows
  checking for forgotten accounts, 180
digital estate management, 124
iOS, 124
iPhone/iPhone 4, 21
  DatalInherit app, 159
  HD video size, 38
iPods, 17
Islamic countries, forced heirship, 188
ISP (Internet Service Provider), 189
terms of service, 121

J
Japan, forced heirship, 188
JPEG format standard, 80

K
Kelly, Lisa, 141
Khufu’s Great Pyramid of Giza, 64
Krim, Michael, 86

L
laptop computers. See computers/devices
legacy. See also digital legacy
  leaving for future generations, 64–67
Legacy Locker
  blog, 186
digital estate planning services, 160, 184
  origin, 86–87
  posthumous email services, 184
Legacy.com, 185
LifeCellar.com, 39
lifelogging, 47
Lifestrand, 185
lifestream, 47, 189
  projecting identity, c
    into cyberspace, 48–49
    faceted identities, 49–50
LinkedIn
  archiving functionality, 182
  connections/messages, 135
  professional networking, 49
LiveJournal, 135
local data storage versus cloud storage, 39–40
Louisiana (USA), forced heirship, 188

M
Ma.gnolia.com, 28
McAlear, Adele, 186
Memorial Gardens, 185
Memorial Matters, 185
memorials/services, online
  basics, 90–91
  social websites, 142, 145
  websites, 185
MentoMori
digital estate planning services, 184
posthumous email services, 184
metadata, 189
Microsoft
digital assets, virtualizing, 82
digital legacy, position, 94
Excel for digital asset inventory, 104
Live, 121
Mail, 123
Outlook, 127
Millennial generation
cell phone and texting, 26
definition, 25
digital assets, fate of, 57
Internet behaviors, 26
Mint.com, 151–152
MIT’s Media Lab, Sociable Media Group, 70
mobile devices. See computers/devices
Mozilla
  Firefox for Windows or Mac, 124
  Thunderbird, 123
mozy.com backup service, 111
MP3 players. See computers/devices
music
   DRM (Digital Rights Management), 110, 188
   iPods versus shelves of CDs, 17
   radios, 21
   record players, 21
   TV, 21
music players. See computers/devices
My Digital Afterlife
   digital estate planning services, 184
   posthumous email services, 184
My Web Will, 184
My Wonderful Life, 90, 184
MySpace, 135

N
The National Archives of the United Kingdom, 82
nontransferability clauses/assets, 76, 79, 189
   email accounts, 121
   social websites, 137
      Yahoo, case of Justin Ellsworth, 13, 78
notifier, 189
NSTIC (National Strategy for Trusted Identities in Cyberspace), 69, 189

O
1000Memories
   archiving social websites, 181
   blog, 186
   online memorial services, 185
Online Legacy/Permasite, 185
online memorials/services
   basics, 90–91
   social websites, 142, 145
   websites, 185
OpenID Foundation, 69
   ClaimID, 70–71, 76
Orkut, 135
Osmun, Ruth, 20–21

P
passwords/user names
   computers/devices, 113–115
   email accounts, 125–126, 160–161
financial and commerce accounts, 154
listing in wills, 158
password vaults, 159
social websites, 137–138
PayPal accounts, 150–154
People To Remember, 185
personalRosettaStone.com, 174–175
Personas project, 70
Pharaoh Khufu's Great Pyramid of Giza, 64
PhotoBucket, 135
photographs/photography
   costs, digital versus physical, 18
   digital legacy, emotional economics, 71–72
   face recognition features, 18
   JPEG format standard, 80
   old media, 80–82
   photo sharing/storage sites, 40, 135
      daily digital creations, 33
      stability of, 28
   shift from physical to digital, 14–16
   value of physical versus digital assets, 44–46
physical assets/collections. See also digital assets/collections
   and digital assets
      benefits/drawbacks, 16–18
      shift from physical, 2, 14–16
      shift from physical, value of, 29
   outdated media, 80–82
   passing on to heirs, 54–55
      reasons why, 58–60
      value changes from person to person, 60–61
   storage needs, 16–17
   value of
      emotionally, 59–60
      to families, 59
      financially, 58–59
      historically, 59
      from person to person, 60–61
Picasa (Google)
   face recognition feature, 18
   photo sharing/storage, 40, 135
POP3 (Post Office Protocol), 126, 189
posthumous email services, 129
  basics, 89–90, 160–161
criteria for selecting, 167
digital executors, 162
inventory storage, 161
list, 183–184
triggers, 162
power of attorney, 189
*The Presentation of Self in Everyday Life*, 48

Q
Qin Shi Huang’s tomb, 64–65
Qingming Festival (China), 91

R
Radicati Group, 39
Ravingsane tumblelog, 35
reading list, digital afterlife services, 186
Remembered Forever, 185
Remembered Voices, 185
RememberedWell, 185
resources, digital afterlife services, 183–186
right of survivorship, 189
Road Runner, terms of service, 121

S
Safari
  checking for forgotten accounts, 180
digital estate management, 124
Second Life 3D virtual community, 140
service agreements. See terms of service
Silent generation
  cell phone and texting, 26
definition, 25
  Internet behaviors, 26
slideshows, 15
Slightly Morbid, 184
smartphones, 23
Smith, Paul, 70–71
SMS (Short Message Service), 190
smug.com, 56
Snapfish, 28, 135
Sociable Media Group, MIT’s Media Lab, 70
social bookmarking, 28
Social Web, 33, 190
social websites, 190. See also digital assets/
collections
  behaviors by generations, 26
daily digital creations, 33
digital estate planning, 135
  asset access, 137–138
  asset archiving, 142–143, 181
  asset inventory, 104, 136, 138, 147
  executors, awareness of assets, 135–136
  executors, instructions for, 139–144
  heirs, designating, 139
  online memorials, 142, 145
terms of service, 144–147
Web 2.0, 33, 190
SocialSafe archiving tool, 182
Socialware Sync archiving tool, 181
sosoonlinebackup.com backup service, 111
sugarsync.com backup service, 111
SwissDNABank.com, 92–93
SympathyTree, 185
Synthetic Interview, 175

tables. See computers/devices
TCP/IP (Transmission Control Protocol/Internet
Protocol), 80, 190
technology
  advancements at record-breaking pace, 176
  behaviors by different generations, 26
  changes in last century, 20–22
culture shift, 23–26
  with individuals 24-hours daily, 21–22
Terasem Movement Foundation, 176
termination, 190
terms of service, 190
death issues, 76
e-mail/e-mail accounts, 121
nontransferability clauses/assets, 189
social websites, 144–147
Yahoo, case of Justin Ellsworth, 13, 121
terracotta army, 64–65
texting, behaviors by generations, 26
Thunderbird (Mozilla), 123
Toeman, Jeremy, 86
Tomb Sweeping Day (China), 91
transferability, 190
TrendWatching.com, data “myning,” 70, 188
Tributes.com, 185
triggers for estate plan execution, 103, 158, 190
  with digital estate services, 160
  with do-it-yourself methods, 163
  with posthumous email services, 162
Tumblr blog, 34–35, 135
Tweetake archiving tool, 182
TweetBackup archiving tool, 182
tweets, 33, 190
Tweetscan archiving tool, 182
Twitter, 135
  archiving tools
    BackupMyTweets, 182
    Tweetake, 182
    TweetBackup, 182
    Tweetscan, 182
Graham, Brad, 139–140
as master keys for authentication, 137
terms of service, 146
tweets, 33, 190
TypePad, 135

U
URLs (Uniform Resource Locators), 190
user names/passwords
  computers/devices, 113–115
  email accounts, 125–126, 160–161
  financial and commerce accounts, 154
  listing in wills, 158
  password vaults, 159
  social websites, 137–138
Utterz/Utterli, 28

V
Verizon, terms of service, 121
videos
  daily digital creations, 33
  old media, 80–82
posting online
  behaviors by generations, 26
  websites, 135
Vimeo, 135
virtual sweeping (China), 91
VitaLock, 184

W
Web
  versus Internet, 23
  origin, 86
  stability of companies, 28
Web 2.0, 33, 190
Web browsers, forgotten accounts, 180
Web hosting, 190
Wi-Fi usage, behaviors by generations, 26
Wills, Trusts & Estates Professor Blog, 186
Wilson, Grant
  communication, Vietnam era versus Iraq era, 13–14
  letters from Vietnam, 10–11, 46
WordPress, 135

X
Xsen.de
  digital estate planning services, 184
  posthumous email services, 184

Y
Yahoo
  digital legacy, position, 94
  nontransferability clause, 13, 78
terms of service, 146
  Flickr, 144
  Mail, 121
Yelp security hole, 27
YouTube
  terms of service, 146–147
  video sharing, 135
  video uploaded every minute, 39