

M@st3r(!ng) Pa55w0rdz

06/07/2013
Sebastian Raschka

The Epic Twitter Hack



A screenshot of a Twitter profile page. The background image is a yellow-tinted photograph of people on a beach. The profile picture is a small, heavily distorted version of a person's face, appearing as a blob-like shape. The username is "Maybe Mat Honan" and the handle is "@mat". The bio reads: "Senior writer with Wired. Longshot magazine co-founder. Alabama native. Internet is whatever we made it to be." Below the bio, it says "Senior writer with ~~Wired~~. Longshot magazine co-founder." and provides a link "<http://about.me/mathonan>". At the bottom, there are three stats: "30,333 TWEETS", "641 FOLLOWING", and "26,199 FOLLOWERS". On the far right is a "Follow" button with the Twitter bird icon.

| | | |
|------------------|------------------|---------------------|
| 30,333 TWEETS | 641 FOLLOWING | 26,199 FOLLOWERS |
|------------------|------------------|---------------------|

<http://about.me/mathonan>

<http://www.wired.com/gadgetlab/2012/08/apple-amazon-mat-honan-hacking>

I) Got Personal Website



A Twitter profile card for the user 'mat'. The profile picture shows a person sitting on a beach. The name 'Maybe Mat Honan' is displayed above the handle '@mat'. The bio reads: 'Senior writer with Wired. Longshot magazine co-founder. Alabama native. Internet is whatever we made it to be.' Below the bio, it says 'Senior writer with ~~Wired. Longshot magazine~~ co-founder.' and provides the URL '<http://about.me/mathonan>'. At the bottom, there are statistics: 30,333 tweets, 641 following, and 26,199 followers, along with a 'Follow' button.

30,333 TWEETS 641 FOLLOWING 26,199 FOLLOWERS

Follow

2) Got Gmail Address

about.me

Sign up to claim your name! Log In

Mat Honan

I Give Good Internet

Hi!

I make magazines and websites.

I'm a senior writer for Wired.com, a former senior reporter for Gizmodo, and media innovator. I co-founded the 2010 Knight-Batten award-winning [Longshot magazine](#), and my [2009 WIRED cover story](#) as a human node in a location-aware world was awarded the Best Innovation Journalism Story of the Year from Stanford University. Online, I've created many of your favorite single serving sites, including [Barack Obama is your New Bicycle](#), [Joe Barton Would Like to Apologize](#), [Should I be Worried About Swine Flu](#), and dozens more. (No, seriously, dozens.) You may also have seen my work in 7x7, The Awl, The Bold Italic, Budget Travel, Gizmodo, Macworld, Mother Jones, The National Journal, The New York Sun, O The Oprah Magazine, Popular Science, Runner's World, Salon, The San Francisco Bay Guardian, The SF Weekly, Time, WIRED, WIRED UK, or Women's Health, among other places.

I live by the ocean in San Francisco with my wife and daughter. [Holla](#).

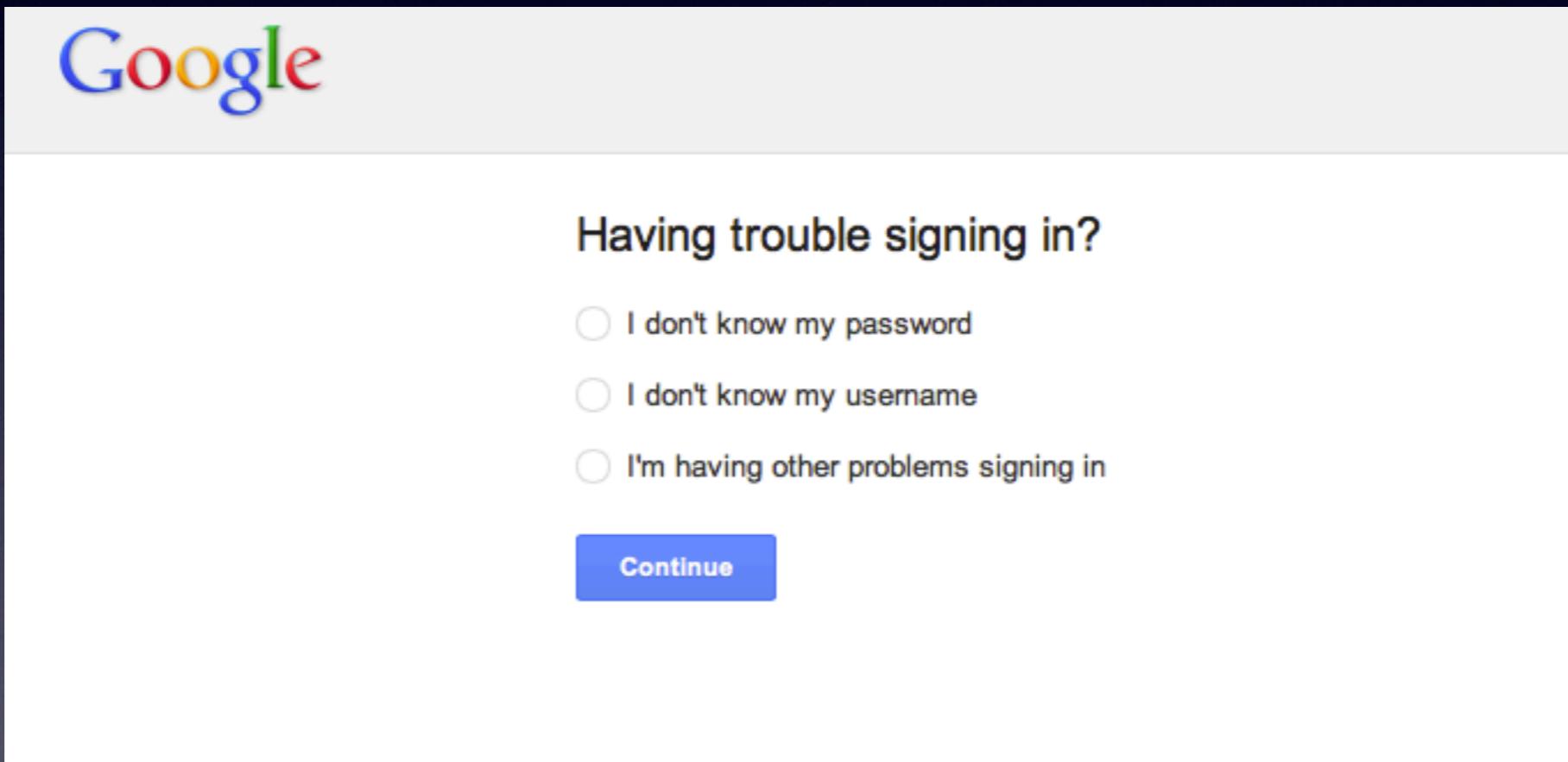
[Twitter](#) [Facebook](#) [Tumblr](#) [LinkedIn](#) [Foursquare](#) Follow

[honan.net](#)
[emptyage.com](#)



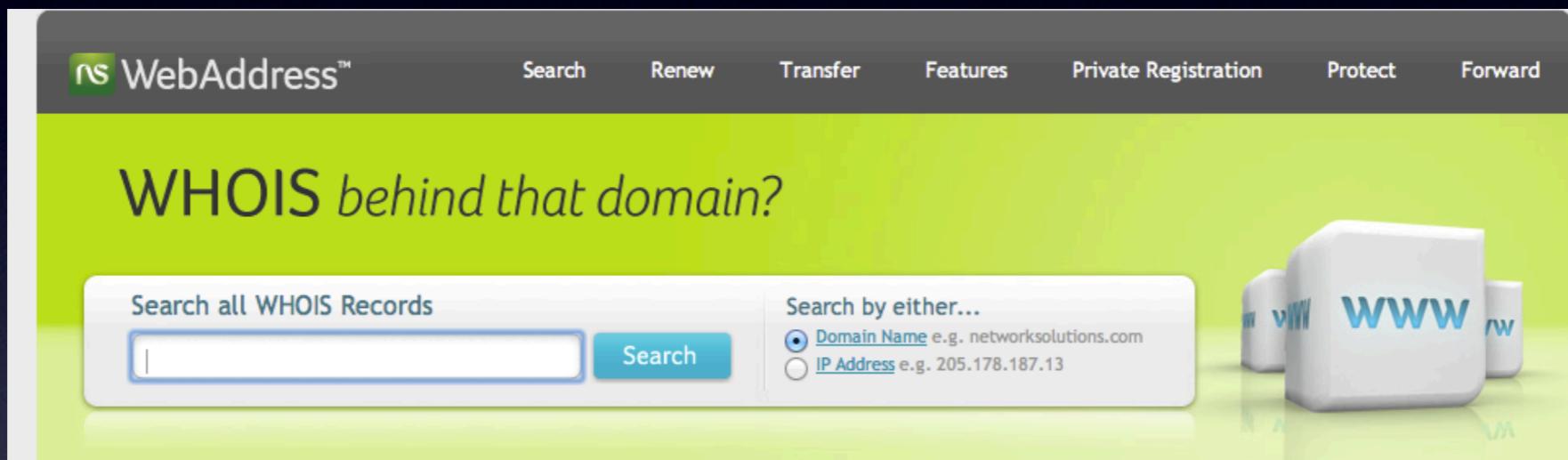
me Would you like your own about.me page? [Claim your free page!](#)

3) Got Apple Username



m•••n@me.com

4) Got Billing Address



4) Got Billing Address

The screenshot shows a web browser displaying the **WebAddress™** website. The top navigation bar includes links for **Search**, **Renew**, **Transfer**, **Features**, **Private Registration**, **Protect**, and **Forward**. A main heading asks **WHOIS behind that domain?**. Below this are search fields for "Search all WHOIS Records" and "Search by either... Domain Name" or "IP Address". To the right, there's a graphic of three white cubes with blue "WWW" text on them.

Registration Service Provided By: Namecheap.com
Contact: support@namecheap.com
Visit: <http://namecheap.com>
Registered through: eNom, Inc.

Domain name: SEASTIANRASCHKA.COM

Registrant Contact:
WhoisGuard
WhoisGuard Protected ()

Fax:
11400 W. Olympic Blvd. Suite 200
Los Angeles, CA 90064
US

5) Got Last 4 Credit Card Digits

amazon Prime

Sebastian's Amazon.com | Today's Deals | Gift Cards | Sell | Help

Shop by Department ▾

Search All ▾ Go

Help > Customer Service

Customer Service

 Where's my stuff?

See, track, or change a recent order.

Contact a Seller

Problems with Sellers

Returning Orders from Sellers

Your Orders

Returns are easy!

If an item arrived damaged, defective, or not as expected, you can easily return it.

Also see: [Return Policy](#)

Return Center

 **amazon kindle Support**

[Kindle Support Home Page](#)

Troubleshooting:
[Kindle](#) | [Kindle DX](#)

[Kindle Community](#)

Manage Your Kindle

5) Got Complete Access

The screenshot shows the AppleCare page on the official Apple website. At the top, there's a navigation bar with links for Store, Mac, iPod, iPhone, iPad, iTunes, Support, and a search icon. Below the navigation, the word "AppleCare" is prominently displayed. To the right of the title, there are links for "Mac and Apple Display", "iPod and Apple TV", "iPhone", "iPad", and a blue "Buy Now" button. On the left side of the main content area, there's a large image of a white AppleCare Protection Plan box. The box features the Apple logo and the text "AppleCare Protection Plan". To the right of the box, a large heading reads: "Service and support from the people who know your Apple products best." Below this heading, a paragraph explains that all Apple hardware comes with a one-year limited warranty and up to 90 days of complimentary telephone technical support, and encourages purchasing the AppleCare Protection Plan or AppleCare+. Further down, another paragraph emphasizes that Apple products are integrated systems and that AppleCare provides one-stop service from experts. At the bottom of the page, there are links for "Already purchased an AppleCare product? Register a new agreement | Check registration status" and "Contact Apple Support ▾".

AppleCare

Mac and Apple Display iPod and Apple TV iPhone iPad Buy Now

Service and support from the people who know your Apple products best.

All Apple hardware comes with a one-year limited warranty and up to 90 days of complimentary telephone technical support. To extend your coverage further, purchase the AppleCare Protection Plan or AppleCare+.

Because Apple makes the hardware, the operating system, and many applications, Apple products are truly integrated systems. And only AppleCare products give you one-stop service and support from Apple experts, so most issues can be resolved in a single call.

- ✓ One stop for technical support
- ✓ Apple hardware coverage
- ✓ Software support included

Already purchased an AppleCare product? [Register a new agreement](#) | [Check registration status](#)

Contact Apple Support ▾

Blessing in Disguise



<http://www.wired.com/gadgetlab/2012/08/apple-amazon-mat-honan-hacking/>

Cracking “Joe92”

Cracking “Joe92”

52 Letters

Cracking “Joe92”

52 Letters + 10 Digits

Cracking “Joe92”

[52 Letters + 10 Digits]⁵

Cracking “Joe92”

[52 Letters + 10 Digits]⁵

= 6.26

8.2 billion password guesses per sec



http://www.bhphotovideo.com/c/product/845784-REG/Diamond_7970PE53G_RADEON_HD7970_PCIE_3G.html

Hashes

Hashes

password1

Hashes

password1

Password

Hashes

password1 → 7c6a180b36896a0a8c02787eeafb0e4c

Password → dc647eb65e6711e155375218212b3964

Hashes

password1 → 7c6a180b36896a0a8c02787eeafb0e4c

Password → dc647eb65e6711e155375218212b3964

Reverse

Hashes

password1 → 7c6a180b36896a0a8c02787eeafb0e4c

Password → dc647eb65e6711e155375218212b3964



Reverse

8 million leaked passwords connected to LinkedIn, dating website (updated)

An unknown hacker posted the lists online and asked for help in cracking them.

by Dan Goodin - June 6 2012, 1:05pm EDT

BLACK HAT THE WEB 134

0d2d32ea81418189eca21d1ff27fc65adb88fcd6:sm
873a5f2d901d579680fc5a5bd040ab241ac5d4a0:sa
0dde6e765f94b007f2ebcd3b8fe3fcc84c7744bc:tut
e1abf2ee6113dae0b0d2ec8e8c6331b2a2308c18:st
33f059739de4286fcdd65482dc840069b62f94f9:th
dd0ea828e93ab88988691037e442c9e0d1baa6d1:sa
82ccd756877b247c989380d758c4a02bd7cccd2f:kn
2688b21ce3822ed3c923d8eb5e3454f7e4b7b2b5:al
d9ba61eef61ed406551cd9b37dee351d2d31866f:al
7f4d8f4a4128faf2f0b35b3f39a9e940310463c6:ro
1bd32f0d7301f3494050f2452faefde13b319e04:Na
e644c8ea288aead799f04e01bd01b739437052b9:es
6b6dc44810694d4cd41283b5c300a47656688462:nf
7e379328f307b5b33ff8364e453a54f9b2b9f101:thisisnotsecure
872d6b8e5de06c62ecd24d1bc6f0f6a6e35950e2:1loveMYson

A partial list of the 6.5 million passwords leaked by someone identified as dwdm. The list contains strong passwords that were unique to LinkedIn, leading to speculation that's where the passwords originated.

 Dan Goodin, Ars Technica

<http://arstechnica.com/security/2012/06/8-million-leaked-passwords-connected-to-linkedin/>

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BLACK HAT THE WEB 134

0d2d32ea81418189eca21d1ff27fc65adb88fcd6:sm
873a5f2d901d579680fc5a5bd040ab241ac5d4a0:sa
0dde6e765f94b007f2ebcd3b8fe3fcc84c7744bc:tut
e1abf2ee6113dae0b0d2ec8e8c6331b2a2308c18:st
33f059739de4286fcdd65482dc840069b62f94f9:th
dd0ea828e93ab88988691037e442c9e0d1baa6d1:sa
82ccd756877b247c989380d758c4a02bd7cccd2f:kn
2688b21ce3822ed3c923d8eb5e3454f7e4b7b2b5:al
d9ba61eef61ed406551cd9b37dee351d2d31866f:al
7f4d8f4a4128faf2f0b35b3f39a9e940310463c6:ro
1bd32f0d7301f3494050f2452faefde13b319e04:Na
e644c8ea288aead799f04e01bd01b739437052b9:es
6b6dc44810694d4cd41283b5c300a47656688462:nf
7e379328f307b5b33ff8364e453a54f9b2b9f101:thisisnotsecure
872d6b8e5de06c62ecd24d1bc6f0f6a6e35950e2:1loveMYson

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<http://arstechnica.com/security/2012/06/8-million-leaked-passwords-connected-to-linkedin/>

6 days later ... 90 % cracked

How I became a password cracker

Cracking passwords is officially a "script kiddie" activity now.

by Nate Anderson - Mar 24 2013, 8:55pm EDT

HACKING

234



<http://arstechnica.com/security/2013/03/how-i-became-a-password-cracker/>

How I became a password cracker

Cracking passwords is officially a "script kiddie" activity now.

by Nate Anderson - Mar 24 2013, 8:55pm EDT

HACKING

234

“At the beginning of a sunny Monday morning earlier this month, I had never cracked a password.

By the end of the day, I had cracked 8,000”

- *Nate Anderson (Editor at Ars)*

<http://arstechnica.com/security/2013/03/how-i-became-a-password-cracker/>

What do you do?

What do you do?

The screenshot shows the homepage of the LastPass website. The header features the LastPass logo and navigation links for English, Sign in to LastPass, DOWNLOAD, FEATURES, WHY LASTPASS?, SUPPORT, ABOUT US (which is highlighted in yellow), and ENTERPRISE. Below the header, there are four testimonial snippets: "Effective, secure, and easy" from CNet, "Protects your online assets" from Forbes, "Secure, yet dummy-proof" from Lifehacker, and "Robust security, works everywhere" from Mashable. The main headline reads "The **Last** Password You'll Have to Remember!". A large "FREE Download LastPass" button is prominently displayed. Below the button, a call-to-action for "Get LastPass Premium!" is shown, stating "\$12 per year - that's \$1 a month!". At the bottom, a row of icons indicates compatibility with various platforms: Windows, Mac, Linux, multiple web browsers, mobile devices (webOS, iPhone, Symbian, Android, BlackBerry), and operating systems (Windows, Mac OS X).

What do you do?

The screenshot shows the LastPass website homepage with a dark orange gradient background. At the top, there's a navigation bar with links for DOWNLOAD, FEATURES, WHY LASTPASS?, SUPPORT, ABOUT US (which is highlighted in yellow), and ENTERPRISE. Below the navigation, there are four testimonial snippets: "Effective, secure, and easy" from CNet, "Protects your online assets" from Forbes, "Secure, yet dummy-proof" from Lifehacker, and "Robust security, works everywhere" from Mashable. The main headline reads "The **Last** Password You'll Have to Remember!". Below it, a subtext states "LastPass is a password manager that makes web browsing easier and more secure." To the right, there's a large yellow button with the text "FREE Download LastPass". Further down, another button says "Get LastPass Premium! (\$12 per year - that's \$1 a month!)". At the bottom of the page, there's a row of icons representing various platforms: Windows, Mac, Linux, Internet Explorer, Firefox, Google Chrome, Opera, webOS, iPhone, Symbian, Android, Windows Phone, and BlackBerry.

<https://lastpass.com>

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<https://lastpass.com>

VolkswagenSummerYellow!Tulip

What do you do?

The screenshot shows the LastPass homepage with a red-to-orange gradient background. At the top, there's a navigation bar with links for DOWNLOAD, FEATURES, WHY LASTPASS?, SUPPORT, ABOUT US (which is highlighted in yellow), and ENTERPRISE. Below the navigation, there are four testimonial snippets: 'Effective, secure, and easy' from CNet, 'Protects your online assets' from Forbes, 'Secure, yet dummy-proof' from Lifehacker, and 'Robust security, works everywhere' from Mashable. The main headline reads 'The **Last** Password You'll Have to Remember!'. Below it, a subtext says 'LastPass is a password manager that makes web browsing easier and more secure.' There are download links for 'FREE Download LastPass' and 'Get LastPass Premium!' (\$12 per year - that's \$1 a month!). At the bottom, there's a row of icons representing various platforms: Windows, Mac, Linux, Internet Explorer, Firefox, Chrome, Opera, webOS, iPhone, Symbian, Android, Windows, and BlackBerry.

<https://lastpass.com>

VolkswagenSummerYellow!Tulip

BE RANDOM!

Other Tips

Other Tips

Secret Account Email Address

Other Tips

Secret Account Email Address

...And lie to the security
questions!

2-Factor Authentication

2-Factor Authentication

Google Search Accounts Help 

< Accounts Help home 2-step verification

2-step verification Overview **About 2-step verification**

About 2-step verification

How you sign in with 2-step verification Set up 2-step verification Passwords and codes used with 2-step verification Common issues with 2-step verification

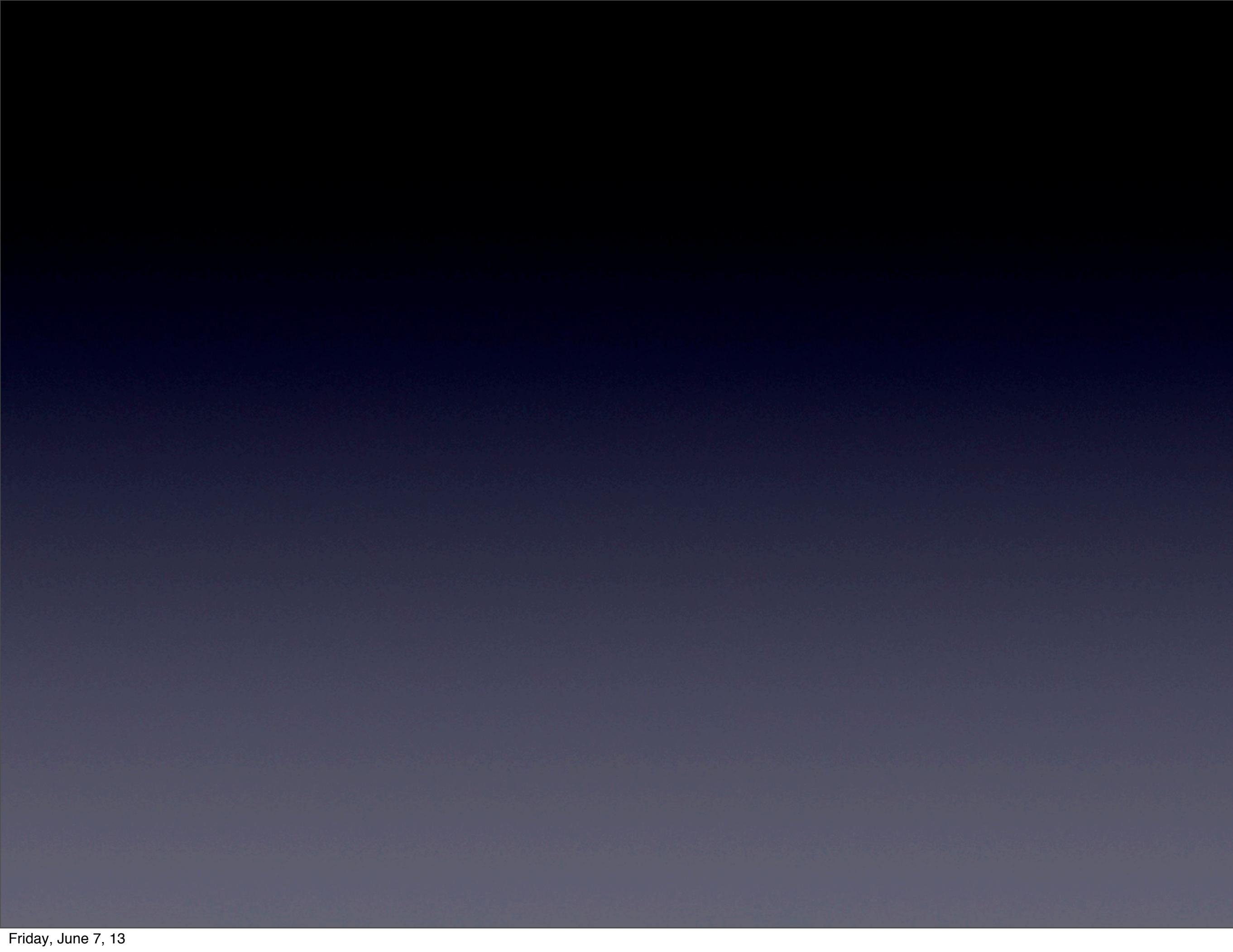
2-step verification

Help keep the bad guys out of your account by using both your password *and* your phone.

Get Started



Friday, June 7, 13



Thanks!