



Securely Enabling Business

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# Mobile Security Trends

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## Agenda

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- Mobile Trends
- Enterprise Challenges
- Mobile Threats
- Mobile Awareness
- Mobile Security Technology
- Mobile Security Offerings
- Q&A

# Mobile Trends



## Mobile Trends

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- Fast paced & dynamic environment
- Bring Your Own Device (BYOD)
- Increased demand to internal resources
- Displacement of BlackBerry



## Mobile Trends

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### 2011 – Mobile Market



China

1,002 Million



India

919 Million



USA

332 Million

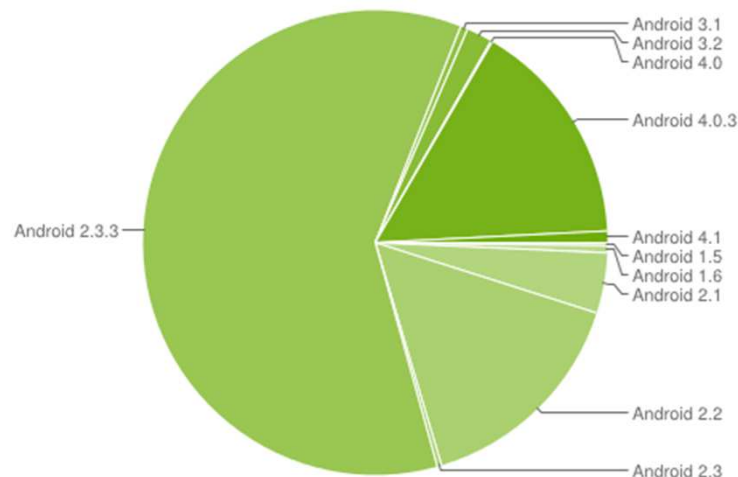
2016 = 8 Billion

# Mobile Trends



## Mobile Trends

- **Android** – Choose your flavor!
  - Open Architecture
  - Manufactures
  - C2DM
  - ASLR



**4.1.x – Jelly Bean**

• Distribution - .8%



**4.0.x – Ice Cream Sandwich**

• Distribution – 15.9%



**3.0.x - Honeycomb**

• Distribution – 2.3%



**2.3.x - Gingerbread**

• Distribution – 60.6%



**2.2 - Froyo**

• Distribution – 15.5%



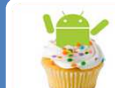
**2.0/2.1 - Éclair**

• Distribution – 15.5%



**1.6 Donut**

• Distribution - .5%



**1.5 - Cupcake**

• Distribution - .2%

## Mobile Trends

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- **Jelly Bean**
  - App Encryption
  - Smart App Update
  - Improved HTML5 Support
  - JavaScript Engine (8)





# Mobile Trends

## Android – Root

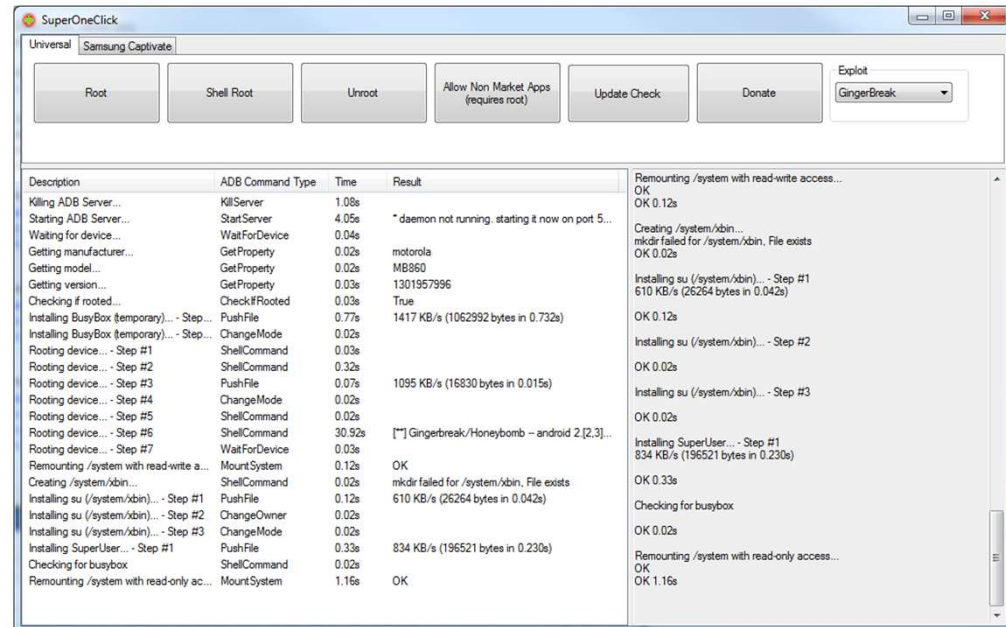
- Why Root?
  - Full OS control
  - Control manufacture ‘bloatware’
  - Free apps
  - Tethering



## Roots

- SuperOneClick
- Unlock Root

got root?



## Mobile Trends

### Apple iOS (6)

- Siri
  - Additional language support
  - Ask more
- Facebook
  - Integration within iOS
- Mail
  - Redesigned & new features
- Passbook
  - Boarding Passes
  - Movie Tickets
- Facetime
  - Over Cellular Networks



## Mobile Trends

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- iOS SDK Updates
  - Security
    - Protects Calendar, Reminders, Contacts & Photos
    - Enable/Disable per app



- iCloud



- **Key-value storage** for discrete values, such as preferences. Use key-value storage for small amounts of data: stocks or weather information, locations, bookmarks, settings and preferences, and simple game state.
- **Document storage** for user-visible file-based information. Use document storage for file-based user content: presentations, word-processing documents, diagrams or drawings, and complex game state.
- **Core Data storage** for structured data. iCloud Core Data storage is built on iCloud document storage. Use Core Data storage for server-based, multi-device database solutions for structured content.

## Mobile Trends

### Apple - Jailbreaks

- Goehot – Limer1n
- Pod2g & Dream Team
- Jailbreakme.com
- Redsn0w
- iOS 6 beta 4





# Enterprise Challenges

## 10 Steps to Security the Mobile Workforce

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1

Update your Security Policy

2

Mobile Security Awareness Training

3

Mobile Provisioning/Workflow Process

4

Strong Authentication for Mobile Device access

5

Centralize Security Policy Manage Process & Tools

6

Encryption

7

Endpoint Security Tools

8

Device lockdown and remote wipe capabilities

9

Access logging and file integrity monitoring with centralize log repository

10

Accessing Content/Internal Resources

## Enterprise Challenges & Risks

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Element	Description
<b>Authentication</b>	How often a password must be changed. How many invalid tries are allowed before the device is disabled. Strong authentication using two factor or certificates.
<b>Loss / Theft</b>	Lost or stolen device are remotely wiped and disabling of the device over a defined period of time.
<b>Device Support</b>	Define what devices are supported by the institution/organization i.e. Blackberry, Mac/PC's.
<b>Encryption</b>	Sensitive data must be encrypted or devices is encrypted with WDE.
<b>Backup / Restore</b>	If a device could be lost or stolen, there should be a defined procedure for backing up and restoring the data to another device.
<b>Storage Cards</b>	Storage cards are a convenient way to expand memory, but they're also portable and thus a security risk. Do you ban them? Or, encrypt them?
<b>Acceptable Use</b>	A good security policy needs to set limits on what users can install on their devices and what is acceptable use.
<b>Enforcement</b>	Consequences if there is violation of the policy.

## Enterprise Challenges

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- Requirements
- What devices to support?
- Security challenges
  - Policies
  - Accessing corporate content
  - Loss/theft
  - Providing access to internal resources
- Human Resources - Concerns



## Enterprise Challenges

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- What are organizations doing?
  - Corporate Liable vs. Personal Liable (BYOD)
  - Hybrid
  
- Why BYOD?
  - Costs
  - Executive adoption
  - Work/Life Balance
  - Productivity



## Enterprise Challenges

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- **Additional Concerns**
  - Data stored in the cloud
  - Differentiate personal and business data
  - DLP/Data Classification
  - Identity Access Management





# Mobile Risks & Threats

## Mobile Threats & Risks

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- Lost & theft of mobile devices
- Applications
- Encryption
- Malware
- Other Risks



## Mobile Threats & Risks

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### Las Vegas - estimated 5,000 cabs

- average of 2 phones per week
- 10,000 phones per week

### United Kingdom – London

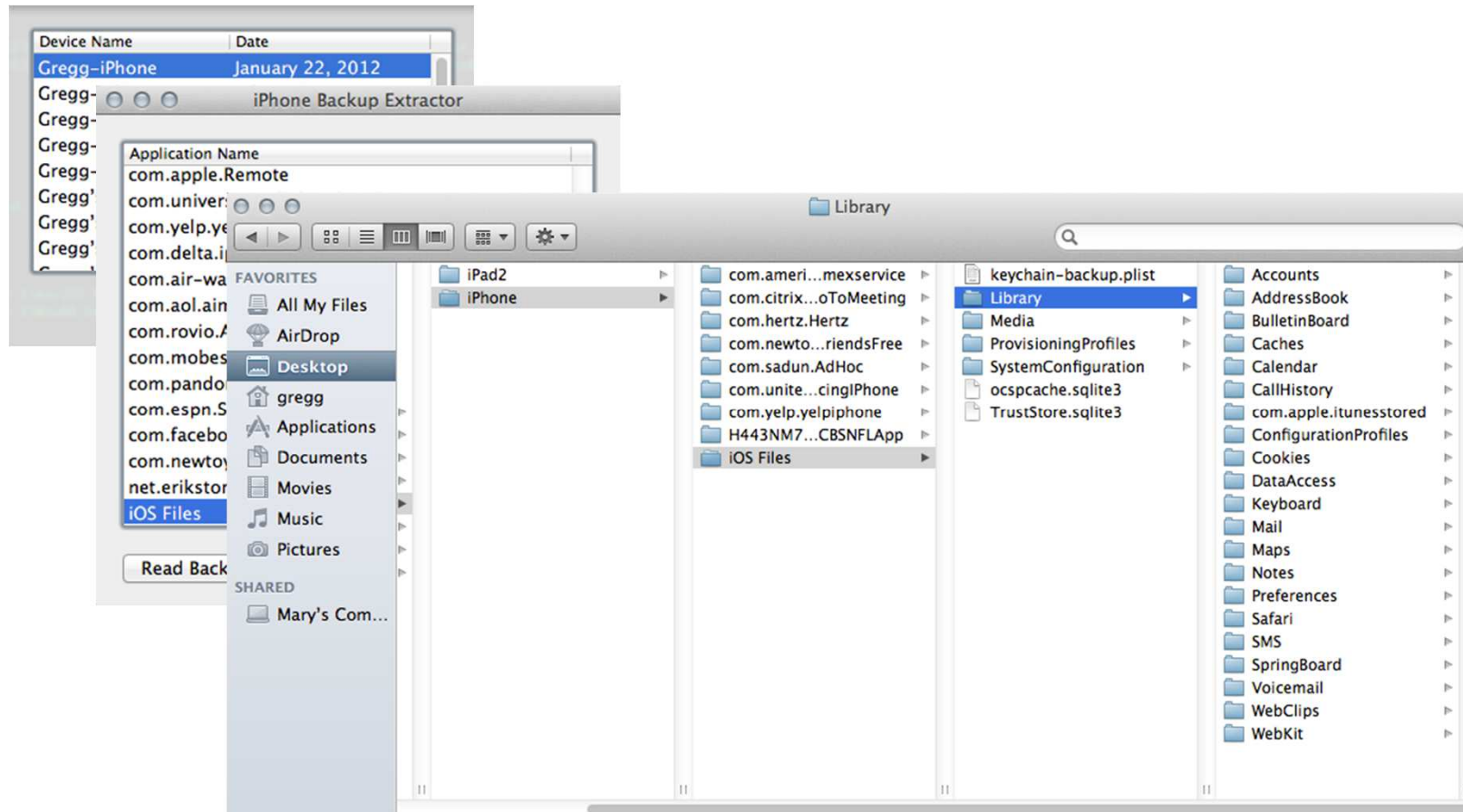
- Estimated 19,000 cabs (black cabs only)
- 10,000 phones per week



**Average 113 phones lost every minute**  
\$50 average price for lost/stolen device

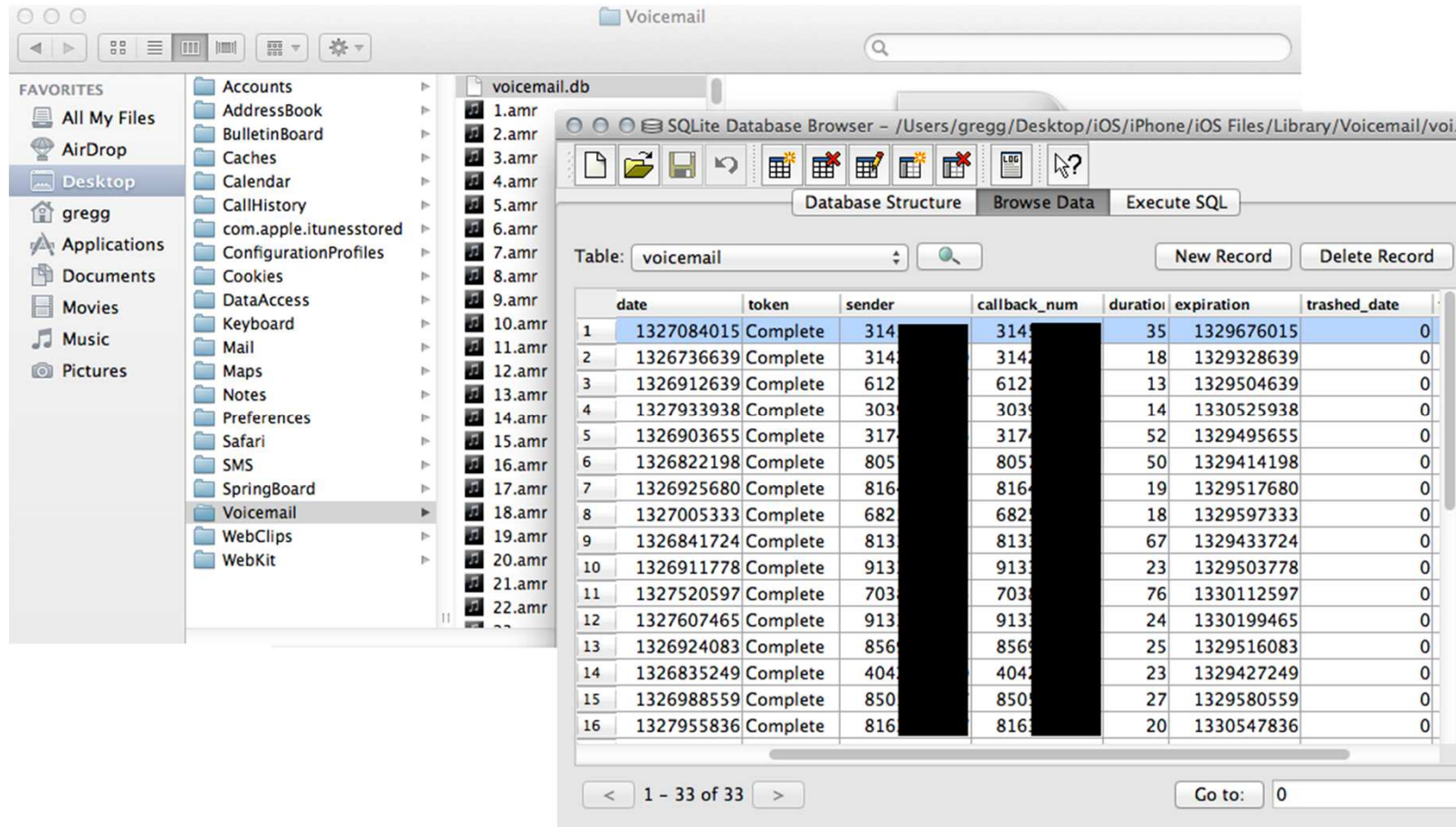
# Mobile Threats & Risks

## ■ Backups



# Mobile Threats & Risks

## ▪ voicemail.db



The screenshot shows a Mac OS X desktop environment. On the left, a file browser window displays the 'Voicemail' folder selected in the sidebar. The main pane shows a list of files from 1.amr to 22.amr. Overlaid on this is a 'SQLite Database Browser' window. The window title is '/Users/gregg/Desktop/iOS/iPhone/iOS Files/Library/Voicemail/voi...'. The 'Browse Data' tab is active, showing a table named 'voicemail'. The table has columns: date, token, sender, callback\_num, duration, expiration, and trashed\_date. The data is as follows:

	date	token	sender	callback_num	duration	expiration	trashed_date
1	1327084015	Complete	314	314	35	1329676015	0
2	1326736639	Complete	314	314	18	1329328639	0
3	1326912639	Complete	612	612	13	1329504639	0
4	1327933938	Complete	303	303	14	1330525938	0
5	1326903655	Complete	317	317	52	1329495655	0
6	1326822198	Complete	805	805	50	1329414198	0
7	1326925680	Complete	816	816	19	1329517680	0
8	1327005333	Complete	682	682	18	1329597333	0
9	1326841724	Complete	813	813	67	1329433724	0
10	1326911778	Complete	913	913	23	1329503778	0
11	1327520597	Complete	703	703	76	1330112597	0
12	1327607465	Complete	913	913	24	1330199465	0
13	1326924083	Complete	856	856	25	1329516083	0
14	1326835249	Complete	404	404	23	1329427249	0
15	1326988559	Complete	850	850	27	1329580559	0
16	1327955836	Complete	816	816	20	1330547836	0

At the bottom of the database browser window, it shows '1 - 33 of 33' records and a 'Go to:' field with the value '0'.

## Mobile Threats & Risks

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- sms.db

```
h_Is this for the int domain or ext
+ [REDACTED] 857N
h^Nice would be nice if they had that documented as a req
+ [REDACTED] 857N
+ [REDACTED] 857N
gJKeeps failing on dns and just setup a reverse Zone to see if that helps
+ [REDACTED] 857N
Yes from what I can tell ... Working on rebuild
+ [REDACTED] 857N
Nice. Are able to get it connected with 2 interfaces?
+ [REDACTED] 857N
Still fighting! :)
+ [REDACTED] 857N
How is it going?
+ [REDACTED] 857N
QpCalling
+ [REDACTED] 857N
P| [REDACTED] that we need 2 int do u know how to connect the esx a to the external sw?
+ [REDACTED] 857N
Pn Cool
+ [REDACTED] 857N
On the phone with [REDACTED] . We r rebuilding the [REDACTED]
+ [REDACTED] 857N
P/How is it going?
+ [REDACTED] 857N
;\You may want to setup an A record for [REDACTED] which will get rep to 11
+ [REDACTED] 857N
;\I did setup another DNS server on 11
+ [REDACTED] 857N
|Made changes to name etc
+ [REDACTED] 857N
hGot ldap working
```



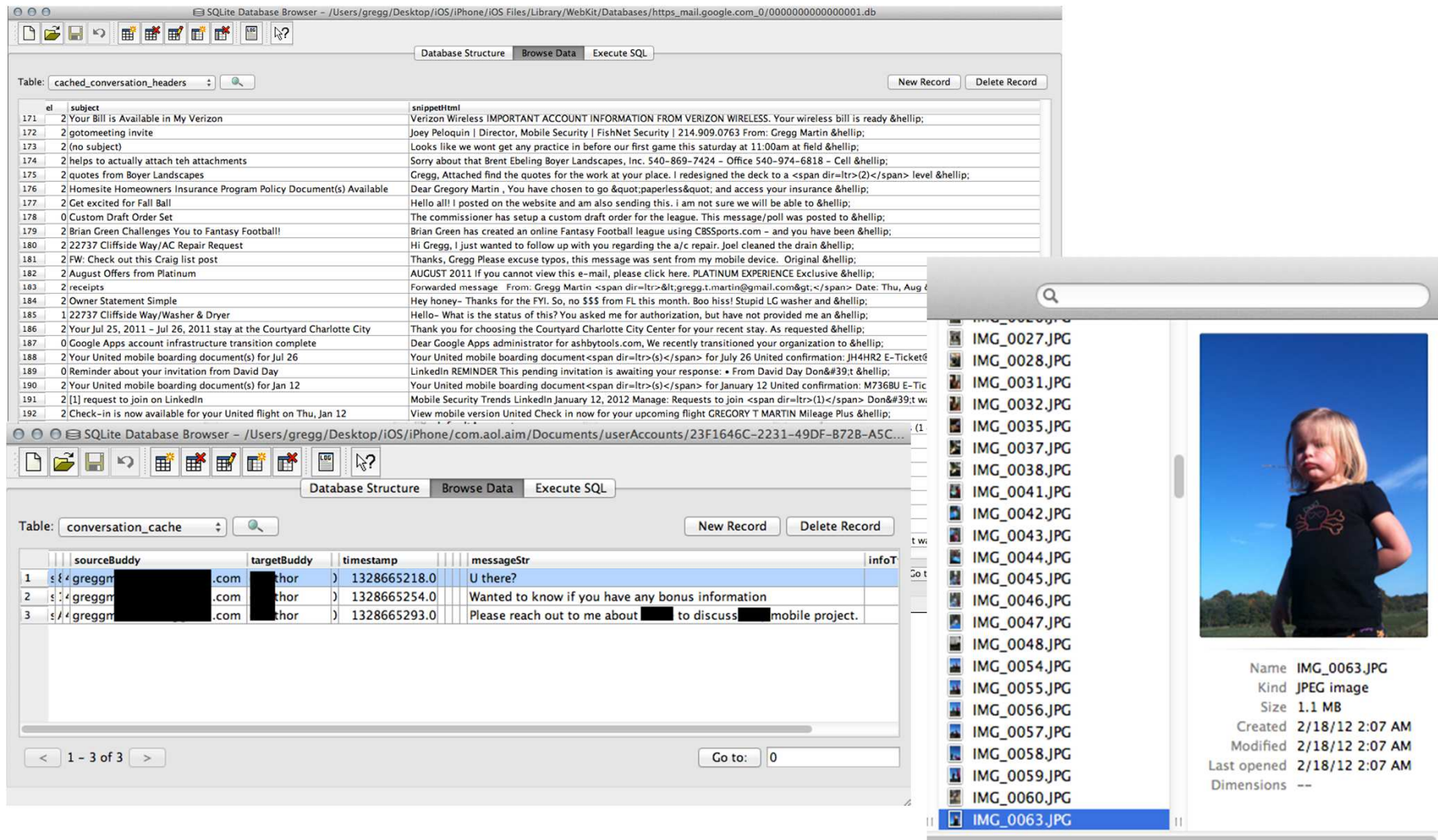
## Mobile Threats & Risks

### /user/library/keyboard/dynamic-text.dat

```
Gregg:Keyboard gregg$ strings dynamic-text.dat |more
DynamicDictionary-4
will
some      come
caps      Charlotte
ahead     Tuesday
start     letting
install   vent
join      heading
later     into
later     meeting
will      until
here      call
about     then
away      approve
farther   cannot
cool      remember
Christmas last
your      name
family    Stephen
getting   looking
ready     forward
call      great
received  year
your      year
laptop    would
your      like
          work
          setting
```

```
STRINGS(1)                                STRINGS(1)
NAME
strings - find the printable strings in a object, or other binary, file
SYNOPSIS
strings [ - ] [ -a ] [ -o ] [ -t format ] [ -number ] [ -n number ]
[ -- ] [file ...]
DESCRIPTION
Strings looks for ASCII strings in a binary file or standard input.
Strings is useful for identifying random object files and many other
things. A string is any sequence of 4 (the default) or more printing
characters ending with a newline or a null. Unless the - flag is
given, strings looks in all sections of the object files except the
(__TEXT,__text) section. If no files are specified standard input is
read.
The file arguments may be of the form libx.a(foo.o), to request infor-
mation about only that object file and not the entire library. (Typi-
cally this argument must be quoted, 'libx.a(foo.o)', to get it past
the shell.)
```

# Mobile Threats & Risks



SQLite Database Browser - /Users/gregg/Desktop/iOS/iPhone/iOS Files/Library/WebKit/Databases/https\_mail.google.com\_0/0000000000000001.db

Database Structure Browse Data Execute SQL

Table: cached\_conversation\_headers

id	subject	snippethtml
171	2 Your Bill is Available in My Verizon	Verizon Wireless IMPORTANT ACCOUNT INFORMATION FROM VERIZON WIRELESS. Your wireless bill is ready &hellip;
172	2 gotometing invite	Joey Peloquin   Director, Mobile Security   FishNet Security   214.909.0763 From: Gregg Martin &hellip;
173	2 (no subject)	Looks like we wont get any practice in before our first game this saturday at 11:00am at field &hellip;
174	2 helps to actually attach teh attachments	Sorry about that Brent Ebeling Boyer Landscapes, Inc. 540-869-7424 - Office 540-974-6818 - Cell &hellip;
175	2 quotes from Boyer Landscapes	Gregg, Attached find the quotes for the work at your place. I redesigned the deck to a <span dir=
176	2 Homesite Homeowners Insurance Program Policy Document(s) Available	Dear Gregory Martin , You have chosen to go &quot;paperless&quot; and access your insurance &hellip;
177	2 Get excited for Fall Ball	Hello all! I posted on the website and am also sending this. i am not sure we will be able to &hellip;
178	0 Custom Draft Order Set	The commissioner has setup a custom draft order for the league. This message/poll was posted to &hellip;
179	2 Brian Green Challenges You to Fantasy Football!	Brian Green has created an online Fantasy Football league using CBSsports.com - and you have been &hellip;
180	2 22737 Cliffside Way/AC Repair Request	Hi Gregg, I just wanted to follow up with you regarding the a/c repair. Joel cleaned the drain &hellip;
181	2 FW: Check out this Craig list post	Thanks, Gregg Please excuse typos, this message was sent from my mobile device. Original &hellip;
182	2 August Offers from Platinum	AUGUST 2011 If you cannot view this e-mail, please click here. PLATINUM EXPERIENCE Exclusive &hellip;
183	2 receipts	Forwarded message From: Gregg Martin <span dir=
184	2 Owner Statement Simple	Hey honey- Thanks for the FYI. So, no \$\$\$ from FL this month. Boo hiss! Stupid LG washer and &hellip;
185	1 22737 Cliffside Way/Washer & Dryer	Hello- What is the status of this? You asked me for authorization, but have not provided me an &hellip;
186	2 Your Jul 25, 2011 - Jul 26, 2011 stay at the Courtyard Charlotte City	Thank you for choosing the Courtyard Charlotte City Center for your recent stay. As requested &hellip;
187	0 Google Apps account infrastructure transition complete	Dear Google Apps administrator for ashbytools.com, We recently transitioned your organization to &hellip;
188	2 Your United mobile boarding document(s) for Jul 26	Your United mobile boarding document<span dir=
189	0 Reminder about your invitation from David Day	LinkedIn REMINDER This pending invitation is awaiting your response: • From David Day Don&#39;t &hellip;
190	2 Your United mobile boarding document(s) for Jan 12	Your United mobile boarding document<span dir=
191	2 [1] request to join on LinkedIn	Mobile Security Trends LinkedIn January 12, 2012 Manage: Requests to join <span dir=
192	2 Check-in is now available for your United flight on Thu, Jan 12	View mobile version United Check in now for your upcoming flight GREGORY T MARTIN Mileage Plus &hellip;

SQLite Database Browser - /Users/gregg/Desktop/iOS/iPhone/com.aol.aim/Documents/userAccounts/23F1646C-2231-49DF-B72B-A5C...

Database Structure Browse Data Execute SQL

Table: conversation\_cache

id	sourceBuddy	targetBuddy	timestamp	messageStr	infoT
1	greggn[REDACTED].com	[REDACTED]hor	1328665218.0	U there?	
2	greggn[REDACTED].com	[REDACTED]hor	1328665254.0	Wanted to know if you have any bonus information	
3	greggn[REDACTED].com	[REDACTED]hor	1328665293.0	Please reach out to me about [REDACTED] to discuss [REDACTED] mobile project.	

Image Gallery:

- IMG\_0027.JPG
- IMG\_0028.JPG
- IMG\_0031.JPG
- IMG\_0032.JPG
- IMG\_0035.JPG
- IMG\_0037.JPG
- IMG\_0038.JPG
- IMG\_0041.JPG
- IMG\_0042.JPG
- IMG\_0043.JPG
- IMG\_0044.JPG
- IMG\_0045.JPG
- IMG\_0046.JPG
- IMG\_0047.JPG
- IMG\_0048.JPG
- IMG\_0054.JPG
- IMG\_0055.JPG
- IMG\_0056.JPG
- IMG\_0057.JPG
- IMG\_0058.JPG
- IMG\_0059.JPG
- IMG\_0060.JPG
- IMG\_0063.JPG

Preview of IMG\_0063.JPG:

Name IMG\_0063.JPG  
Kind JPEG image  
Size 1.1 MB  
Created 2/18/12 2:07 AM  
Modified 2/18/12 2:07 AM  
Last opened 2/18/12 2:07 AM  
Dimensions --

# Mobile Threats & Risks

SQLite Database Browser - /home/gregg/android/apps/com.android.email/databases/EmailProvider.db

File Edit View Help

Database Structure Browse Data Execute SQL

Table: HostAuth

	id	protocol	address	port	flags	login	password	domain	accou
1	3	imap	imap.gmail.com	993	5	phishynet@gmail	[REDACTED]		0
2	4	smtp	smtp.gmail.com	465	5	phishynet@gmail	[REDACTED]		0
3	5	eas	ex.fishnetlabs.c	0	13	sharepointlab\g	[REDACTED]		0
4	6	eas	ex.fishnetlabs.c	0	13	sharepointlab\g	[REDACTED]		0

Database Structure Browse Data Execute SQL

Table: user

New Record Delete Record

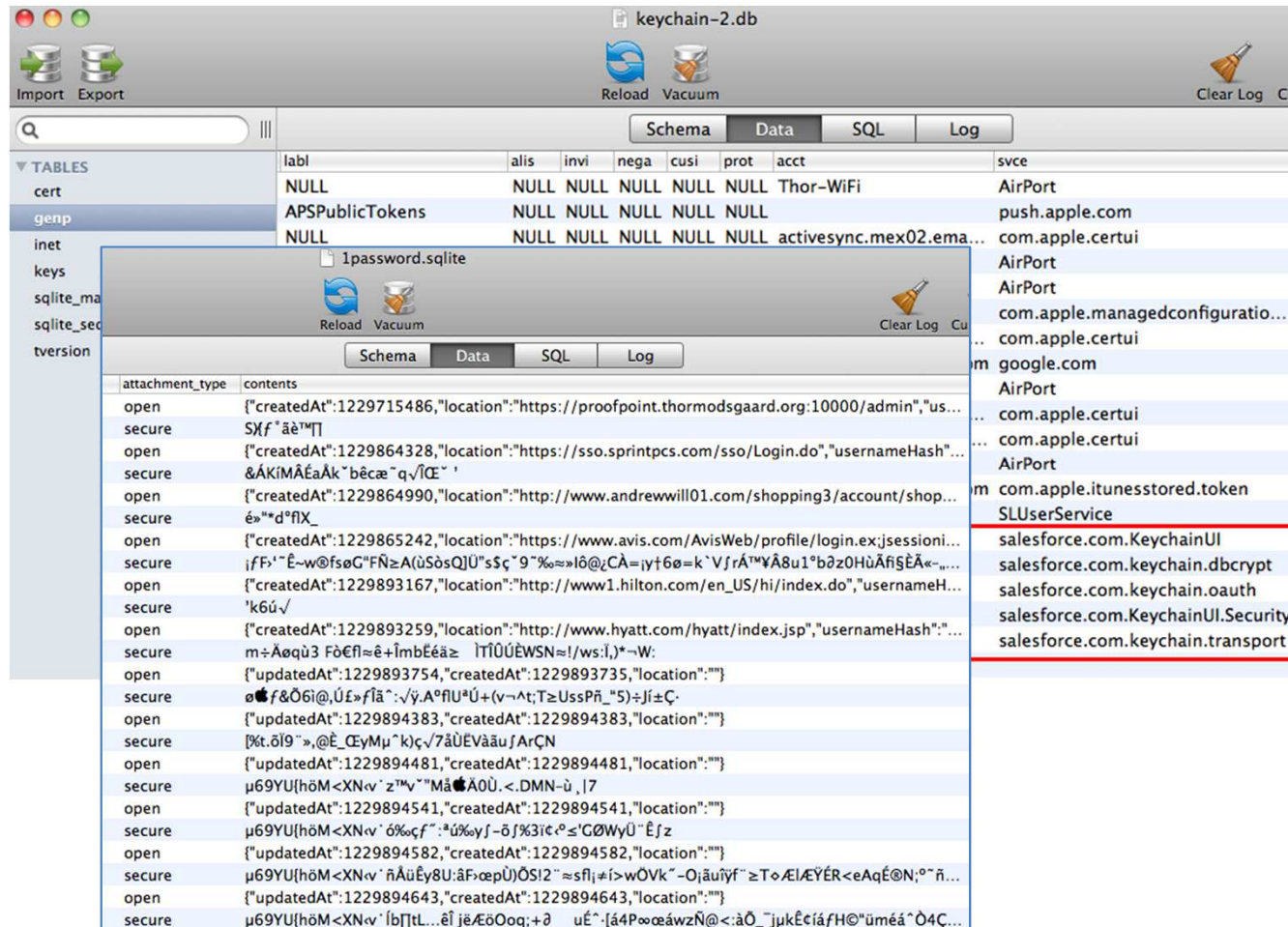
	onepass number	title	first name	last name	elite st	elite status	mileage	expiration date	is onepas	pin
1	[REDACTED]:8041	MR	GREGORY	MARTIN	1P	Prem Exec	121766	2012/01/09 23:	false	[REDACTED]

Database Structure Browse Data Execute SQL

Table: password

	id	host	username	password
1	10	httpsmobile [REDACTED]	513	[REDACTED]

# Mobile Threats & Risks



The screenshot shows a database viewer interface for a file named 'keychain-2.db'. The main window displays a table with columns: labl, alis, invi, nega, cusi, prot, acct, and svce. The 'genp' table is selected, showing entries for various services. A secondary window titled '1password.sqlite' is open, showing a table with columns 'attachment\_type' and 'contents'. This table contains a list of keychain entries, with several entries from 'salesforce.com' highlighted in a red box.

attachment_type	contents
open	{"createdAt":1229715486,"location":"https://proofpoint.thormodsgaard.org:10000/admin","us...
secure	SXf*ãè™¶
open	{"createdAt":1229864328,"location":"https://sso.sprintpcs.com/sso/Login.do","usernameHash"...
secure	&ÁKíMÁÊaÁk~bêcæ~q√ÍCE~'
open	{"createdAt":1229864990,"location":"http://www.andrewwill01.com/shopping3/account/shop...
secure	é»**d°fIX_
open	{"createdAt":1229865242,"location":"https://www.avis.com/AvisWeb/profile/login.exjsessionid=...
secure	ifF'~É~w@fsøG"FNzA(ùSòsQJÚ"s\$ç`9~%ø≈»lô@¿CÁ=iy†6ø=k`VfrÁ™YÁ8u1*bðz0HùÄfi§ÊÄ«~...
open	{"createdAt":1229893167,"location":"http://www1.hilton.com/en_US/hi/index.do","usernameH...
secure	'k6ú√
open	{"createdAt":1229893259,"location":"http://www.hyatt.com/hyatt/index.jsp","usernameHash": "...
secure	m÷Aøqù3 Fò€fl≈è+ImbÉéáè ÌTÏÜÉWSN≈!/ws:¡,)*~W:
open	{"updatedAt":1229893754,"createdAt":1229893735,"location":""}
secure	ø&f&Ö6i@,ÚÉ»flã~:√ÿ.A°flU°Ú+(v~^t;TzUssPñ_5)÷Jf±Ç.
open	{"updatedAt":1229894383,"createdAt":1229894383,"location":""}
secure	¶%t.òl9~»,@É_CeyMµ~k)ç√7âÜEVääu fArÇN
open	{"updatedAt":1229894481,"createdAt":1229894481,"location":""}
secure	µ69YU{høM<XN<v' z™v~"MäA0Ü.<.DMN-ù , 7
open	{"updatedAt":1229894541,"createdAt":1229894541,"location":""}
secure	µ69YU{høM<XN<v' ó%çf~:ªú%y f-ò f%3iç.º≤'GØWyÜ~É f z
open	{"updatedAt":1229894582,"createdAt":1229894582,"location":""}
secure	µ69YU{høM<XN<v' ñÄüËy8U:âF>øpÜ)ÖS!2~≈sfl¡#f>wÖVk~-O¡äüÿf~≥TøÆIÆYÉR<eAqÉ@N;º~ñ...
open	{"updatedAt":1229894643,"createdAt":1229894643,"location":""}
secure	µ69YU{høM<XN<v' ¡b¶tL...êÏ jê/EöOoq;+ð uÉ~.¡á4PøœáwzÑ@<:àÖ_~jmkÉciáfH@~üméá^Ö4Ç...

## Locating Data - iOS


Location	Description
/var/mobile/Library/AddressBook/AddressBook.sqlitedb	also AddressBookImages.sqlitedb
/var/mobile/Library/Caches/MapTiles/MapTiles.sqlitedb	previously displayed map tiles for Google Maps "binhex" encoding - covert to binary
/var/mobile/Library/Maps/History.plist	google maps lookup cache - check Directions.plist as well
/var/mobile/Library/Calendar/Calendar.sqlitedb	sqlclient / strings
/var/mobile/Library/Callhistory/call_history.db	sqlclient / strings / odd number (FLAGS) outgoing, even incoming
/var/mobile/Library/Mail/Envelope Index	
/var/mobile/Library/Notes/notes.sqlite	sqlclient / strings
/var/mobile/Library/SMS/sms.db	sqlclient / strings / FLAGS-low order bit set for sent (odd), off for received (even)
/var/mobile/Library/Voicemail/voicemail.db	voicemail database
/var/mobile/Library/Voicemail/	vm recordings
/var/mobile/Library/Cookies/Cookies.binarycookies	Safari cookies - use strings
/var/mobile/Library/Preferences	settings, config files for apps
/var/mobile/Library/Safari/Bookmarks.db	
/var/mobile/Library/Safari/History.plist	
/var/mobile/Library/Safari/SuspendState.plist	browser state when closed, crashed, etc.
/var/mobile/Library/Preferences/com.apple.mobilesafari.plist	
/var/mobile/Media/DCIM/100APPLE	photos taken with onboard camera
/var/mobile/Library/Logs	
/var/mobileDevice/ProvisioningProfiles	
/var/log	
/var/logs	
/var/preferences/SystemConfiguration/com.apple.network.identification.plist	
/var/preferences/SystemConfiguration/com.apple.wifi.plist	
/var/preferences/SystemConfiguration/preferences.plist	
/var/stash	ringtones, wallpaper, default apps, /bin dir
/var/wireless/Library/CallHistory	
/var/wireless/Library/logs	
/var/wireless/Library/Preferences	
/root/Library/Lockdown/data_ark.plist	apple id, owner info, firmware
/var/Keychains	download keychains databases

## Locating Data - Android

Location	Description
/data/data/<app name>	Application data
/data/data/com.android.providers.userdictionary	User dictionary, aka keyboard cache
/data/data/com.android.email	Email data – creds, messages, etc
/data/data/com.osp.app.signin	oAuth tokens, certs
/data/log	Error dumps
/data/misc/vpn	VPN profiles
/data/misc	Memory dumps
/data/system/sync	Sync accounts, sync targets (authorities)
/data/system/accounts.db	Account credentials, auth tokens, etc. (similar to KeyChain)
/data/wifi	Configured wifi networks – UID, PSK, etc
/dbdata/system/registered_services/packages.xml	Delegated permissions across device
/dbdata/databases/<app name>	Application database storage and preferences files
/dbdata/databases/com.android.providers.contacts	Accounts, contacts, calls
/dbdata/databases/com.android.providers.settings	Device settings
/dbdata/databases/com.android.providers.telephony	Mmsms details – sender/receiver, message, timestamp
/dbdata/databases/com.android.vending	Market downloads (account), carrier billing info
/dbdata/databases/com.google.android.gm	Gmail accounts, gmail data
/dbdata/databases/com.google.android.gsf	Google services settings, email disclosure
/dbdata/databases/com.sec.android.app.memo	Database of 'memo' entries
/dbdata/databases/com.sec.android.app.sns	Account information for social networking
/dbdata/databases/com.sec.android.provider.logsprovider	Log db
/dbdata/databases/com.sec.android.providers.drm	DRM details
/mnt/sdcard/data/browser	Browser cache tables and databases
/mnt/sdcard/data/crash	Crash logs
/mnt/sdcard/DCIM	Photos
/mnt/sdcard/Voodoo	Logs

## Mobile Threats & Risks

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- **Phishing**
  - Fraudulent imitation of a site to obtain credentials or cc
- **Clickjacking**
  - Malicious technique to trick users into clicking a malformed link
- **Likejacking**
  - Uses Facebook  like button
  
- **Prevention**
  - Don't click on links
  - Type the address
  - User Awareness Training



## Mobile Threats & Risks

### Android

- DroidDream
- Geinimi
- HongTouTou (aka ADRD)
- KungFu 2 & 3
- Zitmo

### iOS

- Ikee
- iPhone.A
- Dutch 5€ Ransom
- Code signing exploit

### Blackberry

- Zitmo

### Symbian

- Cabir.A

TOTAL MOBILE MALWARE SAMPLES ACROSS ALL OPERATING SYSTEMS

2010



2011



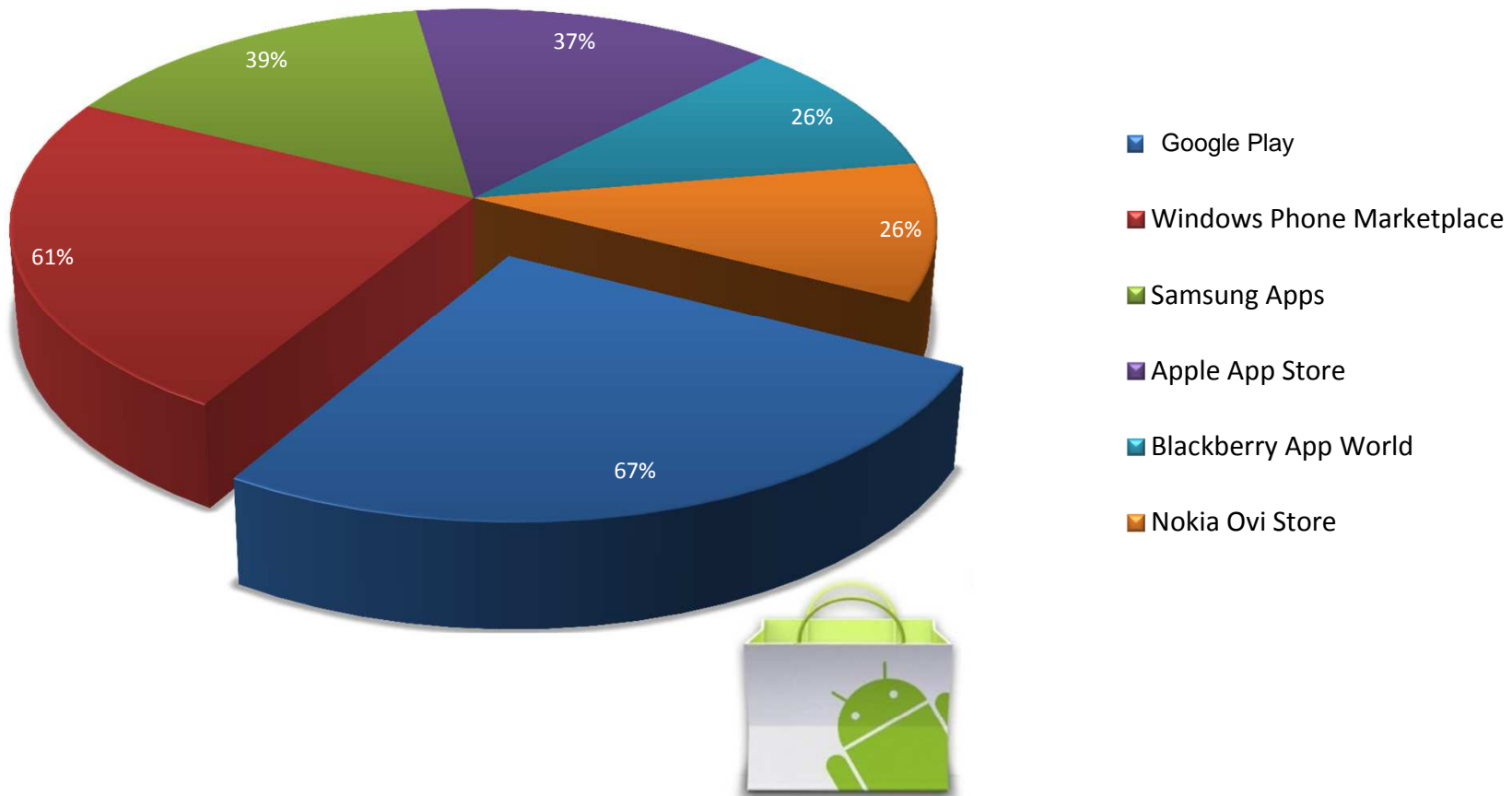




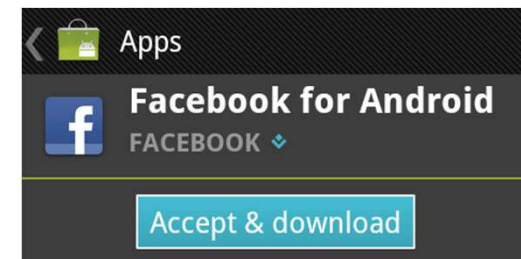
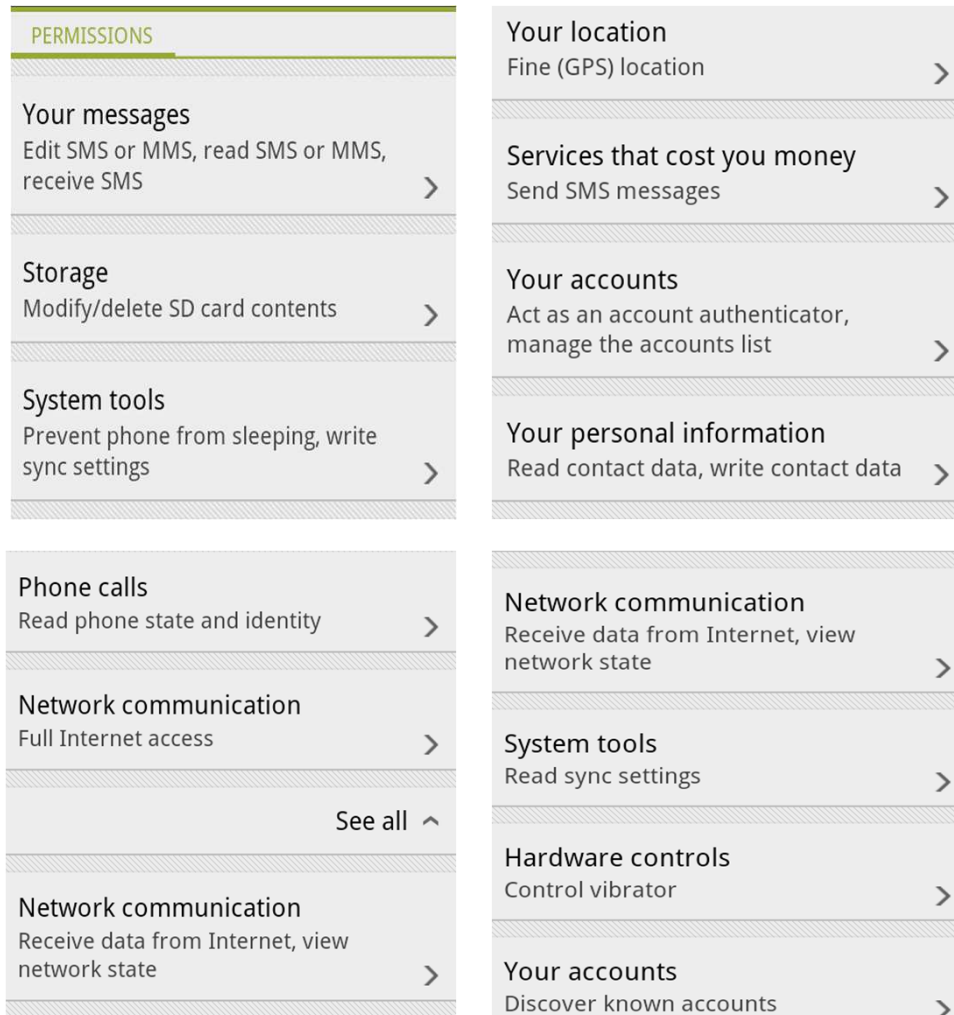
# Mobile Awareness

## Breakdown of Free Apps

### ■ What's the risk?



# Mobile Awareness



## Mobile Awareness

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- Mobile Security Awareness Training
- Educate users
  - Apps
  - Data
  - Passcodes

# Mobile Security Technology



## Mobile Solutions

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- Container Based
- Pure-Play Mobile Device Management (MDM)
- Mobile Application Management (MAM)
  - Not an Enterprise App Store
  - Next-Generation
- Mobile Content Management (MCM)



## Mobile Management

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- Container-based
  - Separation of personal & corporate data
  - Simple BYOD deployment
  - Personal Information Manager (PIM)
- Verticals
  - Healthcare
  - Financial



# Mobile Management

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- MDM
  - Device restrictions
  - Use of native applications
  - Simple architecture
  
- Verticals
  - Technology
  - Entertainment
  - Transportation



## Mobile Management

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- MAM
  - Personal and corporate application segmentation
  - Policy based application access
  - Application and data encrypted container
  - Wipe only corporate data and applications
  - IAM application access



## Mobile Management

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- MCM (Mobile Content Management)
  - Secure access to internal resources
    - Sharepoint
    - Network Drives
    - Document control
  - Strong Authentication



# Thank You

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