
FOUNDATIONS IN IT SECURITY: FAILINGS IN SECURITY – EXAMPLES

COMPUTER SYSTEMS SECURITY

JAN 2015 – BROKEN AUTHENTICATION

THE INDEPENDENT



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Life > Gadgets and Tech > News

Moonpig security flaw could have exposed personal data of millions of users for over a year



moonpig.com

Paul Price says he made company aware of the problem in August 2013, but the company didn't fix it

- 3 million users details leaked
 - Including partial CC Numbers
- Unpatched for over a year



moonpig.com

APRIL 2011 – SECURITY MIS-CONFIGURATION



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Sony fined £250,000 after millions of UK gamers' details compromised

Date **24 January 2013**

Type **News**

The entertainment company Sony Computer Entertainment Europe Limited has received [a monetary penalty of £250,000](#) from the Information Commissioner's Office (ICO) following a serious breach of the Data Protection Act.

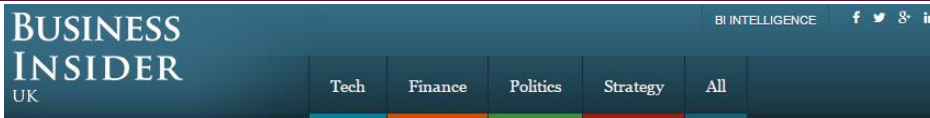
The penalty comes after the Sony PlayStation Network Platform was hacked in April 2011, compromising the personal information of millions of customers, including their names, addresses, email addresses, dates of birth and account passwords. Customers' payment card details were also at risk.

An ICO investigation found that the attack could have been prevented if the software had been up-to-date, while technical developments also meant passwords were not secure.

- 77 million accounts compromised
 - Personally identifiable info & passwords
- 3 days offline
- Class action law suits



DEC 2014 – BROKEN ACCESS CONTROL



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More: [Sony Pictures](#) [Hackers](#) [Identity Theft](#) [Sylvester Stallone](#) ▼

HACKED: Sylvester Stallone's Social Security Number



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DEC. 4, 2014, 11:46 PM | 257



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The fallout from the Sony Pictures hack just keeps getting worse.

In addition to salary data for Sony execs and accounting managers at Deloitte, the hack included more than 47,000 Social Security Numbers reports the Wall Street Journal.

Some of the numbers belong to celebrities like Sylvester Stallone and Judd Apatow, but most of the numbers belong to current and former Sony employees.



- Personal details of 47000 leaked
 - Including Rambo 😊
 - Confidential emails
- 100TB+ of data
 - Major IP leak
 - Data Loss
- Estimated \$15m cost
- Exec resignations
- State sponsored?



NOV 2007 – SENSITIVE DATA EXPOSURE?

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NEWS

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Page last updated at 19:51 GMT, Tuesday, 20 November 2007

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UK's families put on fraud alert

Two computer discs holding the personal details of all families in the UK with a child under 16 have gone missing.

The Child Benefit data on them includes name, address, date of birth, National Insurance number and, where relevant, bank details of 25 million people.

Chancellor Alistair Darling said there was no evidence the data had gone to criminals - but urged people to monitor bank accounts "for unusual activity".



The chancellor urged people to monitor their bank accounts

Watch Alistair Darling

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Video and Audio

- 25m personal details potentially leaked
- Large volumes of confidential data un-encrypted
- Huge political embarrassment

AND SO MANY OTHERS...



Bitcoin Tokyo tech

How a bug in

The bitcoin exchange fell
guarantee its downfall



Kolin Burges, a self-styled cryptocurrency trader and former software engineer from London, holds up a placard to protest against Mt. Gox outside the company's Tokyo headquarters. Photograph: Toru Hanai/REUTERS

RISK ASSESSMENT / SECURITY & HACKTIVISM

AWS console breach leads to demise of service with “proven” backup plan

Code Spaces closes shop after attack

by Dan Goodin - Jun 18, 2014 10:12pm BST

The Register
Biting the hand that feeds IT

DATA CENTRE SOFTWARE NETWORKS SECURITY BUSINESS HARDWARE SCIENCE BOOTNOTES

Dropbox security fubar infuriates customers

Code update calamity compounded by closed mouth

21 Jun 2011 at 11:30, Paul Kunert

125 32 41

Storage and file-sharing vendor Dropbox made a huge cock-up during last weekend's upgrade leaving all of its user accounts unlocked.

Encryption is not performed by the cloud provider's client, meaning that all customer information was there for the taking on Sunday between 1.54pm and 5.46pm. Dropbox issued no official comment until yesterday, causing anger among users.

Founder and CTO Arash Ferdowsi [confirmed](#) a code update allowed a bug to enter the system to affect its authentication mechanism meaning users did not need passwords to log onto each other's accounts.

WHO ARE WE DEFENDING AGAINST – “AGENTS”

- Hackers
- Malware authors
- Organised Criminals
- Activists / Media
- Competitors
- Foreign Intelligence
- Domestic Intelligence
- Malicious Users
- Malicious Employees
- Nature & Environment
- **Ourselves**
 - Accidents
 - Carelessness
 - Bugs