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Security Products

HUMAN-CENTRED SECURITY

Bottom Line

Security software is usable if the people who are expected to use it:

1. Are reliably made aware of the **security tasks** they [need to perform](https://powcoder.com)
2. Are able to [figure out how to](#) successfully perform those tasks
3. Don't make **dangerous errors**
4. Are sufficiently **comfortable** with the interface to continue using it

What do End-Users need to use?

- A. Virus Protection Software
- B. Spyware Protection
- C. Securing Home Network
- D. Sharing legal, Assignment Project Exam Help but indecent images.
- E. Configure social networking account <https://powcoder.com>
- F. Authenticating themselves on systems
- G. Encrypting their data Add WeChat powcoder
- H. Sharing information with physical strangers
- I. Backing up data/data on the cloud
- J. Adding PINs to things like phones & voicemail
- K. Spotting phishing Messages
- L. Software updates

Activity

- Teams consider an area.
 - Produce an overview of the area
 - Answer the four points
 - Produce presentation
 - Upload to Moodle
 - Break
 - Present
 - Consider common themes

What do End-Users need to use?

A. Virus Protection Software

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K. Spotting phishing Messages

L. Software updates

1. Auburn
2. Avocado
3. Azure
4. Burgundy
5. Denim
6. Lime
7. Mint
8. Periwinkle
9. Pistachio
10. Raspberry
11. Ruby
12. Sapphire

Bottom Line

Security software is usable if the people who are expected to use it:

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Virus Protection

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Software

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quote:

IT security expert Avira conducted a consumer security survey of its computer users worldwide in November which showed that more than 60 percent of respondents have tried multiple anti-virus products over the course of a year. **In addition, 25 percent of the users admitted to turning off their anti-virus protection because they thought those programs were slowing down their computers.**

Here are the top findings from Avira's November security survey:

- 62.84% – Have tried multiple security products in a one-year span on the same computer.
- 25.15% – Turned off the anti-virus software because I had the feeling it was slowing down my computer.
- 12.01% – Thought about not using the Internet because of safety reasons.

- **25 percent of the users admitted to turning off their anti-virus protection because they thought those programs were slowing down their computers**

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Thread: [Which antivirus software, now I am really confused](#)

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August 28th, 2008 01:33 PM

#1

 Msbsgblue ◊
Virtual Resident<https://powcoder.com>Join Date: Nov 2003
Location: Missouri
Posts: 868 [Which antivirus software, now I am really confused](#)

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O.K. last week we put in DSL an they ask if we wanted to use Windows Live One Care so I let them install it. Then some here told me it was useless so I decided to go back to AVG free. Of course, I then had to install Version 8 instead of 7.5 I had before. I don't like Version 8, I have problems getting the updates to come in and for some reason it throws up the install page now and then.

WHAT is the best FREE antiviris to use? If it is AVG free how doI get Version 7.5 back?

I am so confused now as to what to do.

[Reply With Quote](#)

29 FEB
2012

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by admin

I am so confused as to which antivirus software I should get.



Kaspersky Internet security 2012 1 user 1pc 1year \$16.99 | AntiVirus Software Store

\$16.99

I am so confused as to which antivirus software I should get. Right now I am debating about symantec and AVG. I really do not care about the price as long as it is under \$100. With my computer I plan on watching shows online (not hulu) and I want to make sure that I don't get any viruses while watching the shows. One of my computers got completely infected from watching five minutes of an anime episode. So please tell me what to get. I do believe Kaspersky was voted number one in 2009-2010 by some computer site, cant remember.

Spyware

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Protection

Software

80% US home PCs have spyware: study

By Sam Varghese
October 26, 2004

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A survey of 329 dial-up and broadband adult computer users by the US National Cyber Security Alliance and America Online has found that 80 percent of home computers were infected with spyware or adware of some kind.

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The NCSA is a non-profit, public-private partnership which aims to create awareness and promote education of cyber security.

While over three-quarters of those surveyed thought they were safe from online threats, two-thirds did not run current anti-virus software on their PCs.

One in five was infected either by a virus or a worm and 88 percent were not even aware their PCs were infected.

Of the broadband users covered in the survey, nearly half had no firewall configured on their PCs.

Spyware Protection

Confusion Abounds

Confusion about the purpose and necessity of security programs may be part of the problem. A majority of users say they did not understand what a firewall is or how it works, and 58 percent of those interviewed couldn't explain the difference between a firewall and antivirus software, the company says.

Users surveyed also were confused or unaware of the symptoms of infections by spyware and other malicious code. For example, 63 percent of those with pop-up blocking software said they still receive pop-up messages. Around 40 percent of those surveyed reported their Web browser's home page or search results being changed without their permission, all classic symptoms of spyware or virus infection.

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While those sobering numbers appear to suggest that security software makers aren't reaching technically unsophisticated users, an NCSA representative says that user "complacency" was the biggest problem.

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"A lot of people believe it's not going to happen to them," says Ken Watson, president of the NCSA. "It's like thinking that you're never going to get in a car wreck either, or get sick--they have the same attitude towards computer security. Computer security is a shared responsibility."

Computer software makers are doing their part to make software products more secure, he says, citing the recent security improvements in Microsoft's Windows XP Service Pack 2 release.

The NCSA is backed by the U.S. Department of Homeland Security and leading security software makers including Microsoft, RSA Security, Symantec, and McAfee. The group published a list of 10 cybersecurity tips on its Web site and is hoping that news of the survey prompts more users to visit the site and follow its guidance on protecting Internet-connected machines, Watson says.

Home Network

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Configuration

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 Alert

Wi-Fi security befuddles clueless home users

Have you tried turning it off and on again?

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By [John Leyden and John Oates](#) · Get more from this author

Posted in [Wireless](#), 16th March 2011 16:37 GMT

<https://powcoder.com>

Two out of five UK home users don't have a clue about how to change the security settings of their home wireless network.

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The 21st century equivalent of a failure in understanding how to program home video recorders was exposed in a survey commissioned by privacy watchdogs at the Information Commissioners Office (ICO).

The online survey of around 2,000 British adults, carried out by YouGov earlier this month, also found that 16 per cent of users were unable to say whether or not they were running security on their home Wi-Fi network.

The commissioner's office then advised the public to make sure they had switched on passwords to protect their home Wi-Fi networks.

[WiFi Configuration](#)

Google guilty of "significant breach" of Data Protection Act: ICO

◀ Networking News

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Steve Evans

N Published 03 November 2010

But firm will not be fined for collecting sensitive info

The Information Commissioner's Office (ICO) has ruled that Google committed a "significant breach of the Data Protection Act" when its Street View cars collected personal information while mapping the UK's streets.

Google admitted during the summer that it had mistakenly collected data from unsecured Wi-Fi networks, without consent. The ICO investigated at the time but was satisfied that no "significant" personal data had been gathered. However Google recently admitted that its audit of the collected data revealed entire emails and passwords had also been collected.

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"The Commissioner has concluded that there was a significant breach of the Data Protection Act when Google Street View cars collected personal data as part of their Wi-Fi mapping exercise in the UK," an ICO statement said. "He has instructed Google UK to sign an undertaking in which the company commits to take action to ensure that breaches of this kind cannot happen again. An audit of Google UK's Data Protection practices will also be undertaken."

Many had called for Google to be fined, but the commission has decided against that course of action. "The Commissioner has rejected calls for a monetary penalty to be imposed but is well placed to take further regulatory action if the undertaking is not fully complied with."

The ICO has ordered Google to delete the data it collected in the UK as soon as it is legally cleared to do so.

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Sharing legal, but indecent images.

Sexting scare: 6 sexting myths busted

As a UK police force warn teens that sexting can be a criminal offence, Radhika Sanghani lists the six essential facts that all young people need to know about sending naked selfies



If you're under 18, sexting is illegal Photo: ALAMY

Sharing indecent images

- “The law doesn’t distinguish between an indecent image of you and an indecent image of someone else.”
- “It’s an offence to send grossly offensive communications to someone else. It’s conceivable that [a naked sext] could offend. If you send someone a picture of a penis, that might be taken offensively.”
<https://powcoder.com>
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- “When you create a photo, as the creator you automatically become the owner of the copyright. Anyone who’s taking a risqué picture and sending it to their partner, they’ll own the copyright.”

Configuring Social

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Networking

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Service



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i Check your Facebook settings. You may be surprised. Photograph: Dado Ruvic/Reuters

Quietly, over the last year, [Facebook](#) has killed the concept of a private account.

The site has always had a love-hate relationship with privacy: it's long offered some of the most granular controls of any social network for choosing who sees what content, letting users make posts visible on a sliding scale from

<https://www.theguardian.com/technology/2016/jun/29/facebook-privacy-secret-profile-exposed>

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Authentication

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Authenticating

- People are poor at password management

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- One time https://powcoder.com
passwords
easy to use (if you can see properly)



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Encrypting
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Self-Encrypting Hard Drives Face Perception Challenge

IT professionals see benefits, but questions linger over the cost, manageability, and speed of self-encrypting hard drives, says a Ponemon Institute survey.

By [Mathew J. Schwartz](#) InformationWeek

May 09, 2011 05:18 PM

One-third of security professionals who handle encryption don't understand self-encrypting hard disk drives. In particular, they're unsure whether the drives are better or worse than software-based encryption for preventing tampering, managing encryption, or handling authentication keys.

Those findings come from a recent survey of 511 IT practitioners who are at least familiar with self-encrypting drives, conducted by Ponemon Institute, and sponsored by the Trusted Computing Group (TCG), which promotes hardware-based, vendor-neutral security specifications.

More Security Insights

White Papers

- How Encrypting Content in Transit and at Rest Reduces Liabilities and Costs for any Organization
- Protecting Enterprise Data with Proofpoint Encryption

Today, when [full disk encryption](#) is used on a PC, software-based approaches are the norm, with 85% of survey respondents saying that's their primary approach. According to the survey, however, 70% of IT professionals also think that self-encrypting drives would help their organization to protect data, but many worry about the related hardware cost. Perhaps counter-intuitively, 37% of respondents also said that they "would pay a premium" for related data security improvements, according to the study.

As that range of responses and awareness levels suggests,

Encrypting Hard Drives

USB Safeguard password-protects your stick



By Mark Wilson | Published 2 weeks ago

3 Comments

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Data security is of the utmost importance, but it is usually the less secured manner by which drives are transmitted over the Internet that we are primarily concerned with. It's likely that you have at least one USB drive that you use to move files from one computer to another, perhaps transporting files between home and office. If you were to lose the drive, there is not only the irritation of not having access to the files you need, there is also the concern that whomever finds the drive will be able to view your private data -- this is something that [USB Safeguard](#) can help with.

As you've probably guessed from the name and the scenario we have set up, this is a program that can be used to protect the files you have chosen to store on a USB drive. This is a tiny portable app, weighing in at less than 100KB, but it is none the less powerful. While there is a paid version of the app available that can be used to protect drives of up to 16TB in size, there is also a free version that can be used on drives up to 2GB.

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USB Safeguard (D:)



USB Flash drive unlocked!

Please enter a password to lock the usb flash drive.

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Type password:

<https://powcoder.com>

Confirm password:

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Show the typed password



Exit

Lock

Free version. [Get latest version at www.usbsafeguard.com](http://www.usbsafeguard.com)

Stupid Security Tricks: Key Management



It's smart to encrypt USB memory devices, but it's stupid to attach the encryption key to the device. Health bosses today admitted the memory stick was encrypted, but the password had been attached to the device when it went missing. I'm sure they were so proud that they chose a secure encryption algorithm.

Apology after prisoners' health info goes missing

Sp

Published on Friday 9 January 2009 17:11

Health bosses have apologised after a memory stick containing patient information was lost at Preston Prison.

An urgent investigation was launched after the USB data stick – with the password attached to it on a memo note – went missing on Tuesday, December 9.

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The stick may have contained information of up to 6,360 patients. However, in some cases, individual patients had more than one entry.

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All patients are, or have been, a prisoner at HMP Preston, on Ribbleton Lane.

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Health bosses today admitted the memory stick was encrypted, but the password had been attached to the device when it went missing.

A thorough search has been undertaken by Primary Care Trust staff as well as HMP Preston's dedicated search team, but the data stick has still not been found.

Workers from NHS Central Lancashire involved in the incident have been suspended while the investigation takes place.

It is believed a member of NHS Central Lancashire staff had uploaded the information using the memory stick then returned to the administration office and lost the device somewhere on route.

Health chiefs have apologised for the breach and have taken urgent action to prevent it happening again.

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What is this?

A thorough search never turned up the data stick which held medical details relating to over 6,000 patients who were or had been incarcerated at the prison. It later emerged that the data stick had indeed been encrypted but the password had been attached to the device on a piece of paper.

2010 - FYi04

Keep it safe

19 February 2010

A lost USB stick could mean more trouble than you imagine

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IN OCTOBER 2009 a laptop containing the patient records of 33,000 diabetics is stolen from an unlocked retinal screening vehicle in Southampton. Earlier in July thieves take a laptop computer from an Audiology Department in Maidstone with sensitive personal data of 38 patients. This happens just a month after Ashford and St Peter's Hospitals NHS Trust reports that digital files providing full diagnosis and treatment records of cancer patients on three USB memory sticks have been either lost or stolen. The data is unprotected and saved in Word format so easily accessible by anyone with access to a computer.

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It seems there has been a flood of such stories over the last few years - and many more can be found on the 'Enforcement' page of the Information Commissioner's Office website (www.ico.gov.uk). The ICO is the independent government authority set up to "uphold information rights in the public interest" and part of its remit is the enforcement of the Data Protection Act. This is the legislation that governs the protection of personal data in the UK and part of the ICO remit is to investigate and take action against unwarranted breaches of patient confidentiality.

The increasing digitalisation of patient data has meant that large-scale breaches are becoming all too common. In the last two years NHS organisations were responsible for 30 per cent of the security breaches reported to the ICO, with most of these resulting from burglaries and theft. The majority of ICO enforcement actions are directed at Trusts and other

Sharing
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information with
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physical strangers

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Cyberstalking 'now more common' than face-to-face stalking

First study of its kind shows complete strangers target victims, of whom nearly 40% are men



i Up to 5 million people experience stalking each year according to a 2006 crime survey, but there are no official statistics on the percentage cyberstalked. Photograph: AP

Cyberstalking is now more common than physical harassment, according to new figures due to be released next week, with many victims finding themselves

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Backups
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CNET UK › Crave › Mobile Phones

O2 apologises for screwup, admits 'multiple backups' failed

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By Rich Trenholm on 13 July 2012, 12:04pm

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5

To see if there's any r where you are, take a look below.

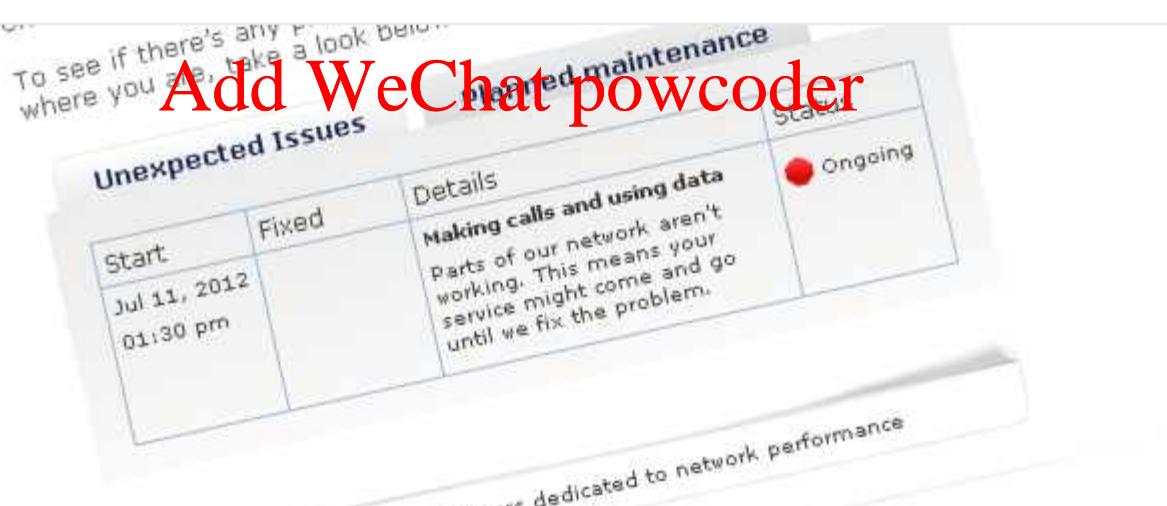
Unexpected Issues

Start	Fixed	Details
Jul 11, 2012 01:30 PM		Making calls and using data Parts of our network aren't working. This means your service might come and go until we fix the problem.

Planned maintenance

Start	Ongoing

... dedicated to network performance



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Chief executive [Ronan Dunne](#) appeared on the BBC to apologise for the network failure, which O2 reckons affected up to one third of the network's customers -- potentially as many as 7 million people.

Dunne admits that "multiple layers of redundancy" failed due to an "exceptional situation". The system that registers each handset to the network developed a fault early on Wednesday afternoon, and an increasing number of phones then lost connection over the next few hours.

Voice service was restored by first thing the next day, but 3G data connections were still affected throughout Thursday morning. O2 finally confirmed that it had restored full service for both 2G and 3G at around 1.30pm on Thursday, suggesting the disruption had lasted a full day.

Now the service is back, O2 promises a "root-and-branch review" of the network infrastructure.

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The company hasn't said anything about [compensation](#), and it probably won't. We spoke to solicitor Sophia King of Thomas Eggar LLP, who points out, "O2 states in its own Pay Monthly Terms and Conditions that 'the service [it provides] isn't fault free'. Like the majority of contracts O2 has what is known as a 'force majeure' clause, which states that where things go wrong and those events are outside O2's reasonable control, O2 will not be liable for any loss suffered.

"So, whilst the disruption will have caused problems for both private and business customers, it is unlikely that anyone will successfully be able to bring a claim against O2."

Data backup no big deal to many, until...

Survey finds just 57% of those who store personal info on computer back it up; loss can be devastating and costly.

By [Amanda Cantrell](#), CNNMoney.com staff writer

June 7, 2006: 11:20 AM EDT

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NEW YORK (CNNMoney.com) - When Darragh Marmorstein's computer crashed, the freelance wardrobe stylist had to shell out \$1,500 - more than the cost of many new computers - to recover her data, which included numerous family photos as well as her professional portfolio.

But she estimates that the cost was much higher when factoring in all the lost opportunities for work she missed because she couldn't send potential clients her files electronically.

The problem was that she hadn't backed up the data.

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"I collect tons of photos of my work in order to get other jobs. Everything I had was lost," said Marmorstein. "I had lots of personal family photos that I thought, if I never saw them again, I'd be devastated. Ultimately I recovered it, and I learned a really hard lesson this way."

Of the nine in ten computer users who store personal information on their computers - such as family photos, personal contacts and resumes - about 24 percent report that they have lost personal information in the past month, generally because of system crashes, according to a survey of more than 2,400 users commissioned by software maker [Symantec](#) ([up \\$0.36 to \\$15.73, Research](#)) and conducted by Harris Interactive.

But of those who store personal data on their machines, only 57 percent back up their data. Among users who don't back up their data, just over a third said it hadn't occurred to them to do so, while another 31 percent said it simply wasn't important to them.

Marmorstein said she hadn't thought about the importance of backing up her data until it was too late. Only then did she realize how devastating it would be to lose all her work as well as her family photographs, she said.

"Your heart and soul, your brain - it's all on your computer, and when you lose your hard drive, it's terrible," she said. "I figured, 'This stuff doesn't happen.' Now I tell all my friends that aren't really computer savvy that what they really need to get (is) that external (software backup) program."



Technology

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Backing Up

<http://www.pcadvisor.co.uk/news/laptop/3286081/46-of-brits-dont-back-up-their-mobile-or-laptop/>

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32,992 News Articles

46% of Brits don't back up their mobile or laptop

However, 40% admit they're worried about data loss

By [Caron-Jane Skinner](#) | PC Advisor | 15 June 2011

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Just over half (46 percent) of Brits have a back-up of their laptop or [mobile phone](#) says Absolute Software.

Research by the [data protection](#) firm revealed that despite 40 percent admitted to having lost a device or having had it stolen and 40 percent claiming they're worried about losing personal data, 46 percent still don't back-up their devices.

Furthermore, over a third (36 percent) admitted they'd lost data and personal information, however four percent said they were unaware if they'd lost any data. Although, 97 percent say they try and protect their devices and data with passwords.

"Now more than ever, digital devices such as [mobile](#) phones and laptops are our lifelines. We use them daily for engaging with friends and colleagues, paying bills, checking our bank balances, online dating – the list is endless," said Dave Everitt, general manager, EMEA at Absolute Software.

Encrypt your data before the cloud

News Jennifer Scott, October 20, 2011



The only way to keep data cloud is to encrypt it before go, claims PKWare execu

To keep your data safe in the cloud [encrypt](#) it on-premise before it goes elsewhere.

This was the sentiment of Todd McLees, executive vice president of cloud security service at [PKWare](#) – the firm famed for inventing the zip file.

Presenting today at IP Expo in London, he claimed it was the bulk of cloud storage vendors that could lead to numerous problems via replication and especially regulation.

[Dropbox](#) deduplicates all the data uploaded to its service, overwriting replicate files and then allows its users to access the one copy it stores, said McLees.

"This is no big deal when it is a music file," he said, "but what about a file? That sends shivers down the spine of everybody worried about compliance."

"Having unrelated tenants on the same file; that will fail every test."

By encrypting before entering the cloud, it prevents this security issue. It leads to an increase in the volume of data a company puts out there, with a per GB pricing structure, this could mean big bills.

"When you encrypt, you can't compress [and] you can't dedupe," he said. "Now you are talking about an inability to take full advantage and maximize savings available in cloud storage."

McLees' answer? "Reducing the amount of data yourself is the best way to do this."

Ponemon Institute Survey on Cloud Data Security Exposes Gulf between IT Security and Compliance Officers

Vormetric Sponsored Research Finds Two Groups at Odds over Service Provider Controls, Top Security Measures and Roles/Responsibilities



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A Berkshire Hathaway Company

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SAN JOSE, Calif., Nov 01, 2011 (BUSINESS WIRE) -- Vormetric, Inc., the leader in enterprise systems encryption and key management, today announced the results from an independent research report conducted by the Ponemon Institute on how organizations manage data security risks in cloud computing environments. The survey of 1,000 IT security practitioners and enterprise compliance officers revealed that less than half of all respondents believe their organizations have adequate technologies to secure their cloud infrastructures. Meanwhile, the two groups sharply disagreed on whether the cloud is as secure as on-premise datacenters, who is responsible for cloud data security, and what security measures should be used.

According to the report entitled "Data Security in the Cloud Survey of U.S. IT Operations, IT Security and Compliance Practitioners", only one third of IT security practitioners believe cloud infrastructure (IaaS) environments are as secure as on-premise datacenters, while half of compliance officers think IaaS is as secure. Regarding cloud security roles, most (21 percent) compliance officers said they are responsible for defining security requirements, but the majority (22 percent) of IT respondents think this responsibility belongs to business unit leaders. When asked about the most important cloud security measure, IT practitioners cited the use of encryption to make data unreadable by cloud service providers, yet compliance officers said encryption should be used to enforce separation of duties to prevent IT staff from performing their jobs.

Using the Cloud

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Mobile Devices
https://powcoder.com
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<http://www.bitdefender.com/security/users-confused-about-smartphone-security.html>

13 Jun 2011

Users confused about Smartphone security

Confusion reigns when it comes to Smartphone security, a new Bullguard survey reveals.

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Though 88 percent of respondents said they "don't completely trust the internet," more than a quarter of them (26 percent) were not sure whether it's safer to access the Web via Smartphone than computer. And though only 11 percent of respondents said they thought it was safer to go online on a Smartphone than a computer, 55 percent did not know that a phone could be attacked by a virus.

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Smartphones are just as susceptible to attacks as any computer, Bullguard mobile security expert Claus Villumsen said in a company press release about the survey. He pointed out that 88 percent of users said they do not keep sensitive data on their phone, but passwords and login information might be automatically stored when they access bank accounts or social networking sites.

Even popular gaming applications can pose security threats. Days after Google removed dozens of apps from its Android Marketplace due to malware, and just four days before the Bullguard survey was released, a professor at North Carolina State University discovered spyware that could trick users of the popular game Angry Birds into compromising their phones.

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Tech Center: Insider Threat

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Assignment Project Exam Help No Passwords, PINs For Most Smartphone And Tablet Users

Most smartphones, tablets are personal devices being used at work, survey says

Sep 29, 2011 | 04:36 PM | [1 Comments](#)

By **Kelly Jackson Higgins**
Dark Reading

Fat-fingering a password or PIN is an all-too-frequent frustration to mobile users today, and more than half of smartphone users don't bother with authentication on those devices.

In a new survey published today by Confident Tech, which focuses on image-based authentication, some 44 percent of smartphone and tablet users say they don't lock down their devices.

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Confident's survey also found that many users are basically lax or unaware of the security risks of having these unprotected devices at work. Around 30 percent of those who don't password-protect their smartphone or tablet aren't concerned about the security risk, and 97 percent have email running on their smartphones or tablets; 50 percent of them operate banking, financial or stock trading apps on; 77 percent, social networking apps like Facebook or LinkedIn; and 35 percent, online shopping or auction accounts.

Voicemail Pins

CBCnews

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Should News of the World's editor resign over voicemail hacking? <https://powcoder.com>

July 10, 2011 2:28 PM | [15](#)

By [Community Team](#)

By CBC News

UPDATED: Sun., July 10

On the day the last issue of the News of the World is published, News Corp Chief Executive Rupert Murdoch is seen leaving his London home with his arm around Rebekah Brooks. He tells a Reuters reporter than Brooks is first priority.

UPDATED: Thurs., July 7

News of the World will cease publication Sunday, News International CEO James



News Corporation CEO Rupert Murdoch with Rebekah Brooks, Chief Executive of News International, in London. Murdoch says Brooks is his number one priority. (Olivia Harris/Reuters)

Protecting Voicemail

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Falling for Phishing

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Survey: Millions of users open spam emails, click on links

By Dancho Danchev | March 25, 2010, 1:10pm PDT

Summary: A newly released report from the Messaging Anti-Abuse Working Group (MAAWG), summarizing the results of the group's second year survey of email security practices, offers an interesting insight into the various interactions end users tend to have with spam emails.



How many users access spam emails, click on the links found within, and open attachments? Why do they do it? Who are they holding responsible for the spread of malware and spam in general, in between conveniently excluding themselves?

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A newly released [survey](#) from the [Messaging Anti-Abuse Working Group \(MAAWG\)](#), summarizing the results of the group's second year survey of email security practices, offers an interesting insight into the various interactions end users tend to have with spam emails.

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Key findings of the survey:

- Nearly half of those who have accessed spam (46%) have done so intentionally – to unsubscribe, out of curiosity, or out of interest in the products or services being offered
- Four in ten (43%) say that they have opened an email that they suspected was spam
- Among those who have opened a suspicious email, over half (57%) say they have done so because they weren't sure it was spam and one third (33%) say they have done so by accident
- Canadian users are those most likely to avoid posting their in the U.S., Canada and Germany are most likely to set up : to avoid receiving spam
- Many users do not typically flag or report spam or frauduler

<http://www.zdnet.com/blog/security/survey-millions-of-users-open-spam-emails-click-on-links/5889>

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Software Updates

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Home > Software

NEWS

Quarter of users see no benefit in updating software

<https://powcoder.com>

Adobe, Microsoft, Symantec push 'International Technology Upgrade Week'

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By Gregg Keizer

Senior Reporter, Computerworld | JUL 23, 2012 2:20 PM PT

<https://www.computerworld.com/article/2504261/enterprise-applications/quarter-of-users-see-no-benefit-in-updating-software.html>

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Encrypting Email

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Encrypting Email Survey

[http://simson.net/ref/2004/smim
e-survey.html](http://simson.net/ref/2004/smime-survey.html)

- I don't ever send email that is digitally-signed because I don't know how (44.8%)
- I'm sorry, but I don't understand what you mean by "digitally-signed. (24.1%)
- I would like to manually control how each email message is saved (sealed, unsealed, or unsealed and re-encrypted.) – 50%

They are the 11 percent (or less) who really get security

By George V. Hulme, CSO

November 01, 2011 11:20 AM ET

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The risks and threats enterprises face are growing more ~~complex~~ by the day. There's a [greater number of regulations](#) and [breach notification laws](#) in response to those threats.

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With that increased risk environment, one would hope enterprises are becoming more strategic in how they deal with the challenges. But that's sadly not the case, according to this year's annual [Global Information Security Survey](#), conducted by CSO and CIO magazines in partnership with PricewaterhouseCoopers. More than 19,000 business and technology executives from around the world took the survey, and 43 percent of them believe their organizations are IT security leaders.

According to the survey, only 11 percent consider increasing the focus on data protection a "Top Priority." The same, or lower number of respondents prioritized governance and compliance (10 percent) and security investments based on risk (8 percent).

Related Content

- Standardizing the desktop: Strategies for success
- They are the 11 percent (or less) who really get security
- 'Advanced persistent threat' concerns boosting security budgets

© This is What You Need to Know About Android Phones

The same respondents, according to the survey, are increasing their investments in defensive technologies like firewalls, intrusion detection, anti-malware and a host of other technologies.

Understanding Security

Insecure Behaviour

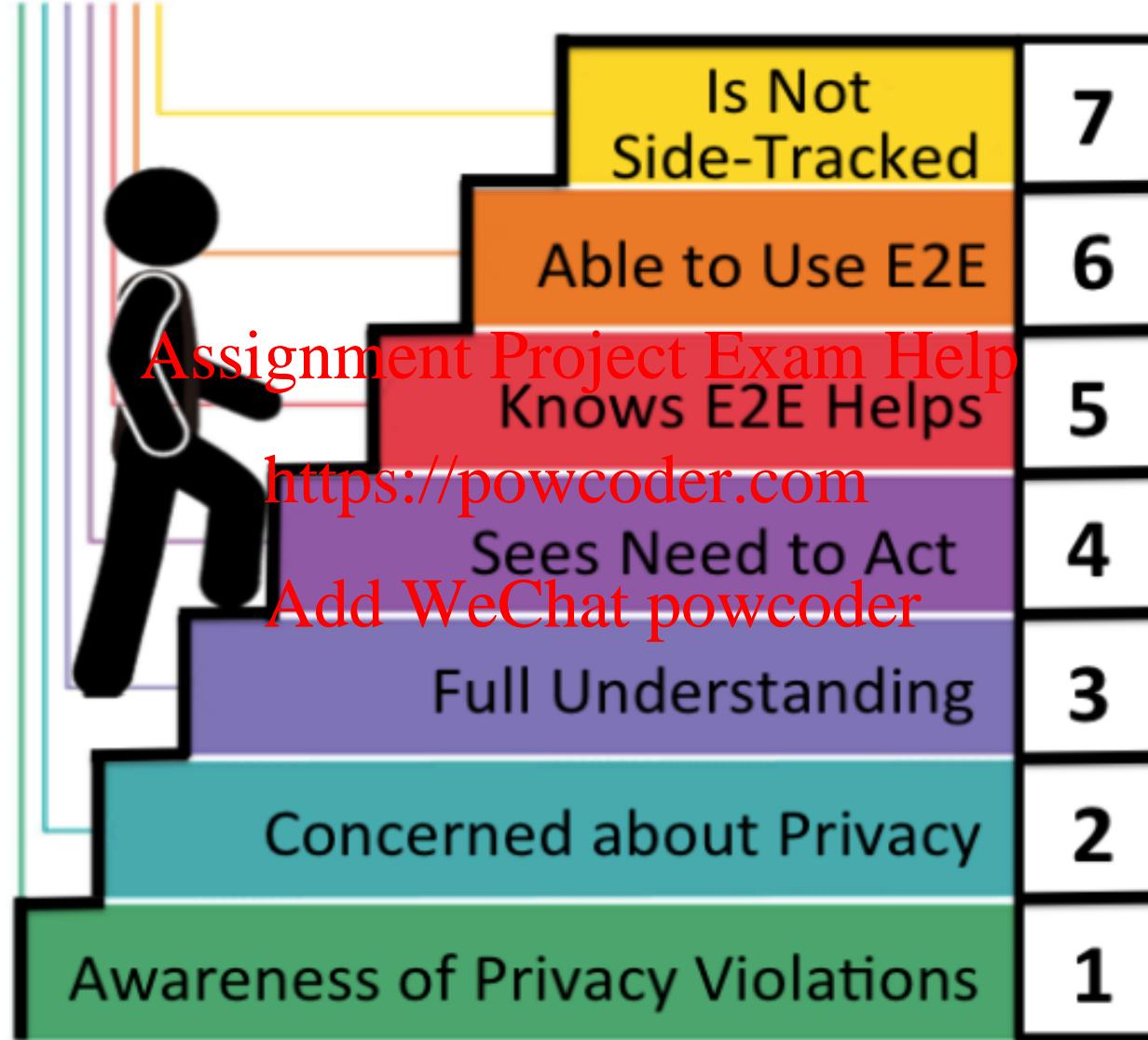
- 12255 laptops lost per week at US airports
- 19% whole disk encryption
- 19% file encryption
- 45% password login
- People don't use encryption because it is hard to use

Common Wisdom

Security software is usable if the people who are expected to use it:

1. Are reliably made aware of the **security tasks** they [need to perform](https://powcoder.com)
2. Are able to [figure out how to](#) successfully perform those tasks
3. Don't make dangerous errors
4. Are sufficiently **comfortable** with the interface to continue using it

Steps to using E2E



Common Wisdom

Security software needs to be usable if
the people who are expected to use it

People also need to see the need to use it

They need the time and wherewithal
(support) to ~~Add WeChat~~ powcoder

Just making it usable won't work!

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UNSEEN EXAMPLE

Example

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Bottom Line

Security software is usable if the people who are expected to use it:

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COMMON THEMES AND CHALLENGES

Challenges

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Challenges

- people are often perceived as the weakest link in the security process.
- often think of users are lazy, stupid or that they do not care.
- assumption simply because someone is able to perform a task, they are motivated to do so.
- many users will weigh up the costs and benefits of the security task.
- users looks for benefits in their everyday lives - authentication is always a secondary task
- in larger groups / organisations / circles - trust is an important component - but in many organisations we may perceive individuals are untrustworthy components
- research indicates that good people, sometimes do not comply with the rules of policies.