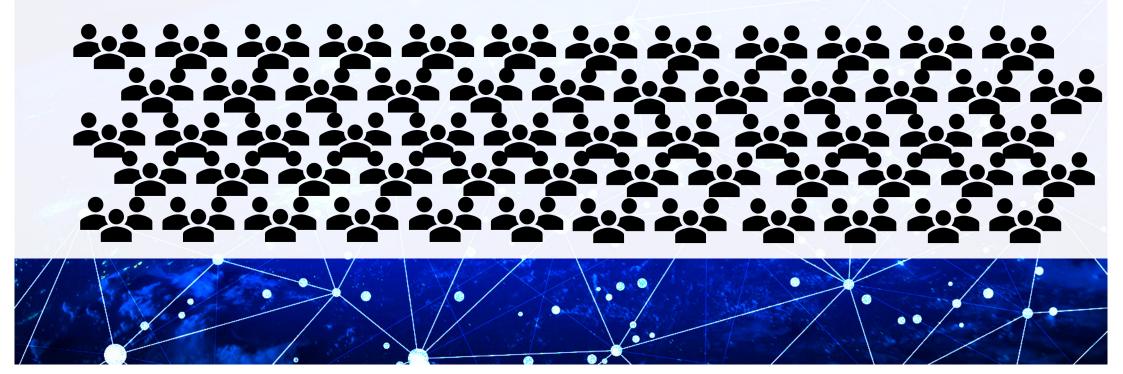
Mohammad Atieh

LinkedIn Data Breach

Linkedin Data Breach

- Date: June 2021
- Impact: 700 million users



Types of Data Affected

• User information for 90% of the users were stolen.



Hill, M. (2021) The 15 biggest data breaches of the 21st century. CSO Online.



Types of Data Affected

Email Addresses, Full names, Phone numbers

Physical addresses,

Geolocation records,

LinkedIn username and profile URL,

Personal and professional experience/background,

Genders,

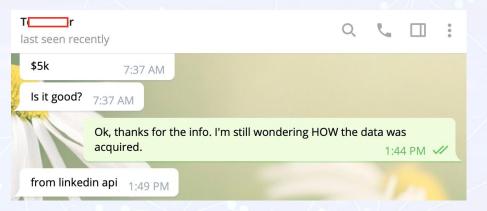
and other social media accounts and usernames

Hill, M. (2021) The 15 biggest data breaches of the 21st century. CSO Online.



What Happened?

 User information was obtained using data scraping from LinkedIn API and other sources and offered for sale for 500\$



National Council on Identity Theft Protection (2022) The LinkedIn Data Breaches: What to Do and Who Was Affected - IdentityTheft.org. Available from: https://identitytheft.org/data-breach/linkedin/ [Accessed 12 October 2022].



Who was responsible?

- TomLiner
- Classified as a "God" User" in the undermarket!

SELLING New Linkedin 2021 - 700Million records by	
Pages (2): 1 2 Next >	
	June 22, 2021 at 07:54 AM Hi I have 700 Mlilion 2021 Linkedin Records We can use MM/Escrow 2021
GOD User COD Posts 69 Threads 6 Joined Feb 2021 Reputation \$53 Image: Second sec	sample: https://ufile.io/ 1Million Sample
	1M records https://ufile.io/f/



Were any Escalation(s) Stopped - How?

 LinkedIn published as statement and a warning. in Pressroom

An update on report of scraped data

Published on Jun 29, 2021 | Categories: Product News

LinkedIn Corporate Communications

Our teams have investigated a set of alleged LinkedIn data that has been posted for sale. We want to be clear that this is not a data breach and no private LinkedIn member data was exposed. Our initial investigation has found that this data was scraped from LinkedIn and other various websites and includes the same data reported earlier this year in our April 2021 scraping update.

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Members trust LinkedIn with their data, and any misuse of our members' data, such as scraping, violates LinkedIn terms of service. When anyone tries to take member data and use it for purposes LinkedIn and our members haven't agreed to, we work to stop them and hold them accountable.

For additional information about our policies and how we protect member data from misuse: https://www.linkedin.com/help/linkedin/answer/56347/prohibited-software-and-extensions



Was the Business Continuity Plan instigated?

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• No

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in Pressroom

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Was the Business Continuity Plan instigated?



Edwin A. Brockner, FIP Assisting businesses with data privacy guidance and direction || CIPP/E/US, CIPM, CIPT, CDPSE, CRISC, CISA

- Per Article 4 of GDPR, a 'personal data breach' is a "breach of security leading to the accidental or unlawful destruction, loss, alteration, unauthorized disclosure of, or access to, personal data transmitted, stored or otherwise processed"
- The author stated that **it was not a data breach because private data was not disclosed**. Private data was protected with OAuth 2.0 for authorization and authentication. All they did is data scraping and aggregation.

Brockner, E. A. (2021) LinkedIn's June 2021 'Breach'. Available from: https://www.linkedin.com/pulse/linkedins-june-2021-breach-edwin-brockner-cipm [Accessed 12 October 2022].

General Data Protection Regulation (GDPR) (2022) General Data Protection Regulation (GDPR) – Final text neatly arranged. Available from: https://gdpr-info.eu/ [Accessed 12 Oct. 2022].



Was the ICO notified?

 It is a US company, and they posted an international statement in Pressroom

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Where the Users Notified?

• Yes, by email.

in.

April's Breach

Stu Sjouwerman (in

Hi Stu,

To make sure you continue having the best experience possible on LinkedIn, we're regularly monitoring our site and the Internet to keep your account information safe.

We've recently noticed a risk to your LinkedIn account coming from outside LinkedIn. Just to be safe, you'll need to reset your password the next time you log in.

Here's how:

LinkedIn Data Breach Email

1. Go to the LinkedIn website.

Next to the password field, click the "Forgot your password" link, and enter your email address.

- You'll get an email from LinkedIn asking you to click a link that will help you reset your password.
- Once you've reset your password, a confirmation email will be sent to the confirmed email addresses on your account.

Thanks for helping us keep your account safe, The LinkedIn Team

Sjouwerman, S. (2022) Scam Of The Week: LinkedIn Email Change Your Password. Available from: https://blog.knowbe4.com/scam-of-the-week-linkedin-emailchange-your-password [Accessed 12 October 2022].



What were the social, legal, and ethical implications of the decisions made?

- Riks of:
 - Identity theft
 - Phishing attempts
 - Social engineering attacks
 - Hacked accounts

Brockner, E. A. (2021) LinkedIn's June 2021 'Breach'. Available from: https://www.linkedin.com/pulse/linkedins-june-2021-breach-edwin-brockner-cipm [Accessed 12 October 2022].



What Mitigations Would've Put had you been the ISM of the Organization

- Before the incident:
 - Enforce 2FA
 - Nework traffic monitring
- After the incident:
 - Enforce 2FA
 - Send emails warning from possible phishing attacks after the incident



Thanks!

