

The Rise of Ethical Hacking, a Favourite Activity That Will Last Until the End of the Internet

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Abstract

The field of "Ethical Hacking" is no longer taken seriously as a potential profession. It's an absolute must for the smooth running of any business. In this paper, I provide the results of my research on the function of the ethical hacker in the security of confidential business data. And how there is a general lack of supply due to increasing demand. We focus on teaching students the essentials of Ethical Hacking, even those that are often skipped over in other courses..

Index Terms – Ethical Hacking, Hacker, Cybercrime, Cyber security

INTRODUCTION

The origins of the phrase "ethical hacking" may be traced all the way back to the ARPAnet and the Home Brew Club, respectively.

The abbreviation ARPAnet, which stands for the Advanced Research Projects Agency Network, is credited with creating the Internet, while the term HACK was coined by the Home Brew Rail club. They modified and improved upon existing rail models using hack.

For example, Albert Einstein was a hacker because he was a creative and innovative thinker who contributed to his profession. However, due to widespread media use, the term "pizza boy" has come to be synonymous with "high school guy."

Hacker. The term "hacker" is no longer taken seriously. Indeed, the media may often be to fault.

Sometimes, however, change occurs from such indisputable proof that the old adage no longer holds true; this is the case with the term "Ethical Hacking" and the person who practices it. If you trace the history of a term back to its Internet Age or Hacker Age origins, you'll see that things change depending on what we see and how we interpret it.

Now that every firm does business online, it's crucial that they protect their customers' personal information from their rivals. With this fundamental idea in place, Ethical Hacking was born.

Ethical Hacking is nothing but practicing Hacking and even becoming certified for the same. Cybercrime rates throughout the globe are a major contributor to this upward trend.

Cyber Crime Stats	
2008	12000
2009	15000
2010	13000
2011	21000
2012	29000
2013	32000
2014	33000

The proliferation of cybercrime has made it very evident that we need an expert to manage our business's data security. To satisfy this ravenous need, the Ethical Hacker Industry developed.

We are fortunate to have Gregory. D.Evans with us today, since he is both a well-known hacker and a security specialist who can help us out.

I'm wondering, Gregory, what you consider Ethical Hacking to be and who an Ethical Hacker is.

"Those who regard hacking to be a crime came up with the term 'Ethical Hacking.'" Thus, it is permissible to refer to such people as hackers. Generally speaking, what you said is right; hackers are people who do research in a certain field.

To what do you attribute the recent substantial increase in demand for Ethical Hackers?

There isn't much of a point in running a company without computers these days (laughs). Additionally, in today's businesses, it is crucial to maintain detailed records of all financial transactions. With an estimated 6 out of 10 organizations being online, the need for Ethical Hackers is clearly on the rise.

When will the number of qualified applicants meet the number of open positions?

When there is more demand than available products, prices increase. There is an increasing demand for this service since every company values the security of its data highly. I've also seen an increase in demand for independent consultants over the last several years.

Greg, what do you consider to be the most critical problem confronting the community at this time?

(Laughter.) Humans. When it comes to keeping information secure, human beings are always the weakest link. No matter how well a company manages its data or how sturdy its firewalls are, its weakest link is always its human resource department. Because they are so preoccupied with doing their tasks that they can't see the forest for the trees. So, even the best hackers couldn't prevent the data theft. This means that even the most basic training in safety measures is required for everyone.

Conclusion

To the Honorable Mr. Gregory, Thank you for reading this and your consideration. Our discussion was quite interesting to me. The future holds an ever-increasing need for Ethical Hackers and related training programs. Simply because all corporate models are migrating online at the same time.

The fact that ethical hackers can do little to stop attacks on their networks presents an additional challenge. The contributions of every employee should be treated equally since all data in a system is critical. Future efforts should therefore emphasize on how firms can secure their most precious asset, their data, from being stolen by insiders. Even as time passes and the IT industry expands, the number of schools offering courses in ethical hacking will remain insufficient to fulfill demand. To wrap things up, therefore, ethical hackers are the bright men who, in certain situations, play the role of public face. They, too, confront various obstacles, much like the human resources department of any company. So they add some flair by saying things like, "Human Resource is the weakest link in every business," which is a summary of their take on the issue. All companies, not just those with an IT division, need to implement security measures across the board. This would place more emphasis on all of the fundamentals that might cause a data breach. I'm crossing my fingers that the supply can eventually match the demand.

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