



Ethical Hacking- A Trend That Will Continue Till the Sign off Date of Internet

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Abstract

Ethical Hacking is no more a Profession anymore. It is the basic need of every Organizational core performance. In this research paper my research is focused on how the Job of Ethical Hacker prevents the confidential data of the company. And how there is an excess demand with less supply associated in the Industry. We also focus on the things Ethical Hacking should consist of that are never included in the modules while teaching it to the students .

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

INTRODUCTION

Ethical Hacking is the term that traces back to ARPAnet as in basic and Home Brew Club as in a Detail view of it.

ARPAnet acronym for Advance Research Project agency network gave a start to Internet and Home Brew Rail club founded the word HACK. They used hack for new tweaks and modifications in rail models that they developed.

Hacking still means doing something Creative or inventing something in a field like Albert Einstein was a Hacker. But the way Media has used it; we call every pizza eating boy or high school boy as

Hacker. The word hacker has lost its credibility. And no doubt media is to blame sometimes.

But sometimes the evolvment comes from so concrete evidences that no longer it stays a foolish thing to say and so is the usage of the word “Ethical Hacking” or “ Ethical Hacker” . When you follow the word from the age of Internet or from the time where the word “Hack” came into existence you will find that things evolve on the basis of what is shown and how we perceive it.

Now coming to the point with every company bringing its business online it was important to secure its data from its competitors too. So with this simple concept the concept of Ethical Hacking came into place.

Ethical Hacking is nothing but practicing Hacking and even being certified for the same. The reason this trend continues to rise is because of the cybercrime rates in all parts of the world .

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



So with the rate Cyber Crime is increasing it was very obvious that we needed people who could monitor and secure the data of the company. Hence the never ending demand chain of Ethical Hackers was invented.

So we have Gregory. D .Evans a world known Hacker and a security consultant who will be answering our questions and sharing his vast experience with us .

So Gregory what is Ethical Hacking according to you or who is a Ethical Hacker ?

“Ethical Hacking is a term that was invented by people who thought hacking is illegal or is a crime”. So it’s still right to call people as Hackers. Because as you said hackers are indeed people who do research in a specific field and that is the apt definition in most of the cases.

How do you think the role of a Ethical Hacker and to be very specific the demand of a Ethical has increased in the past years?

Now a company that does not have a Computer based daily transactions are just not considered a company(Laughs) . And it is also necessary for every company to systematically record every transaction and those days of manual ledger recording are long gone. So with every 6 out of 10 business joining the network it was very necessary that people were trained to protect the information in the network and this led to increase in role of Ethical Hackers.

Does the supply to this role will ever meet its demand?

When demand is higher than the supply than the prices goes high. And the demand is ever increasing because any company would like to secure its data as much as possible. So for the same reason I see that these days the role of Freelancers Consultants has increased.

Gregory what is the biggest challenge for the community?

Humans(Laughs) . See the humans are the weakest links of any organization from security point of view. Because no matter how much you control or have firewalls in your data; Human resource is the weakest link of any organization. Because all they are concerned about is doing their job effectively without even thinking of the impact that their activities could cause to the company. So even the best of the hackers could not prevent the data from being stolen. So training is to be given to all the people on a basic level so that they understand the basic security measures.

Conclusion

Well thanks for the interview Mr. Gregory it was pleasure talking to you. And now we see that the role of a Ethical Hacker and the institutes teaching Ethical Hacking will increase in coming years. Just because of the simple fact that all the business models are coming online.

There are also challenges faced by every Ethical Hackers in an organization that they don’t have control on what other people do with their systems. Because every piece of information in a system is important so every employee and his activity are equally important. So in future focus should be on how any organization can prevent its data theft from or through its most important asset – Humans.

Supply will never meet the Demand because there are not enough institutes that teach Ethical Hacking but as the time and IT sector grows so will the number.

So in short summarizing everything Ethical Hackers are those smart guys who act as front face sometimes because of their operations. And they



also face many challenges like human resource in any organization.

So giving it a little personalized touch and summarizing their off on the problem that “Human Resource is the weakest link in any organization” .There should be measures taken by every company for every department not just IT department within an organization. This would emphasize more on each and every basic thing that could lead to data intrusion or leak.

Hope so the supply also meets the demand in future.

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