Daily Assessment Report

|  |  |  |  |
| --- | --- | --- | --- |
| **Date:** | **20/06/20** | **Name:** | **Prajna** |
| **Course:** | **Ethical hacking** | **USN:** | **4AL16EC047** |
| **Topic:** | **1. Career and growth ladder in ethical hacking** | **Semester & Section:** | **8TH A** |
| **Github**  **Repository:** | **prajna\_salian** |  |  |

|  |
| --- |
| **Afternoon SESSION** |
| **Image of session** |

# Report – Report can be typed or hand written for up to two pages.

**1. Career and growth ladder in ethical hacking**

Ethical Hacking has been a lucrative career option for many, and not without good reason! It’s a challenging job that never gets boring, pays well and also brings a greater sense of achievement. In this “Ethical Hacking Career” article, we are going to go over the various factors to guideline your path to become an ethical hacker:-

Ethical Hacking Job Trends

Trends - Ethical Hacking Career- EdurekaSource: Google Trends

Growing at a rate that is outpacing all other areas of IT, cybersecurity has emerged as a high-growth- field of 2017, and possibly of the entire decade. During the 5 years between 2012 and 2017, listings for cybersecurity jobs increased by a whopping 75% according to the analysis made by the Bureau of Labor Statistics. This has led to a lot of unfilled positions so jobs are plenty and they pay well too.

How much money does an ethical hacker make?

Certified ethical hackers make an average annual income of $80,074, according to Payscale. The average starting salary for a certified ethical hacker is $95,000, according to EC-Council senior director Steven Graham. The founder of NoWiresSecurity, Eric Geier, estimates a more conservative $50,000 to

$100,000 per year in the first years of work depending on your employer, experience and education. Those with a few years of experience can pull $120,000 and upwards per year, particularly those who work as independent consultants.

Ethical Hacking Career: Job Profiles

After attaining the much coveted CEH v10, an ethical hacker can try for the following roles:

Information Security Analyst

Security Analyst

Certified Ethical Hacker (CEH) Ethical Hacker

Security Consultant, (Computing / Networking / Information Technology) Information Security Manager

### Understanding Ethical Hacking

Ethical hacking can be defined as a simple approach of defending the system and network security of an organization by exploiting its existing vulnerabilities and weaknesses and strengthening them with appropriate countermeasures. Unlike black hat hackers, ethical hackers offer their services only when they are lawfully and legitimately employed to do so. Ethical hackers follow the same methods and techniques of a malicious hacker for finding vulnerabilities, which will later be fixed. Unlike black hat hackers, ethical hackers offer their services only when they are lawfully and legitimately employed to do so.

## Reasons to Choose Ethical Hacking as Career

Ethical hackers always have a handful of roles and responsibilities to deal with. It does possess a great career scope. And, the salary package is another fascinating aspect of it. However, if you are still unsure of pursuing ethical hacking as a career, then the listed reasons will serve as food for thought.An ethical hacker not only safeguards the data and network of an organization but is also responsible for taking preventive measures to avoid a security breach via penetration testing or any other method.

### Skills Required to Start Your Career as an Ethical Hacker

An ethical hacker needs to have extensive knowledge of network security. You need to have a thorough understanding of how a network operates, various network security controls, protocols, topologies, intricate nature of network traffic, firewall configuration, vulnerability scanning of a network, and a lot more.Pursuing a career in ethical hacking demands an ever-evolving attitude. Plus, you need to have a sound technical knowledge of certain scripting or coding programming languages.

The below-listed skills are revealed by Joblift in their survey of 2018.

* 70% job vacancies look for candidates holding accredited certifications
* 25% of job vacancies are subjected to candidates with the knowledge of programming languages
* 22% of job vacancies are meant for those candidates who can security check

### 1. Practice and Self-Learning

The evolution of your knowledge is one of the most required steps that you need to take. You can do this by reading articles, watching videos, and interacting with experts.

### 2. Think Out of the Box

Innovation is the key to stand out from the crowd. You need not follow the same path as other ethical hackers do.

### 3. Look for More Information

All the information is just a click away. If you find some subject matter difficult or interesting, then try learning more about it. These days, the internet is the key to all your queries.