

## **CYBER SECURITY BULLETIN**

### **Cyber Security Bulletin Number: 011**

According to a McAfee blog (<http://blogs.mcafee.com/consumer/family-safety/7-types-of-hacker-motivations>) there are seven types of hackers and these are the following:

**White Hat Hackers:** These are the good guys, computer security experts who specialize in penetration testing and other methodologies to ensure that a company's information systems are secure.

**Black Hat Hackers:** These are the bad guys, who are typically referred to as just plain hackers. The term is often used specifically for hackers who break into networks or computers, or create computer viruses. Black hat hackers continue to technologically outpace white hats. They often manage to find the path of least resistance, whether due to human error or laziness, or with a new type of attack. Black hats' motivation is generally to get paid.

**Script Kiddies:** This is a derogatory term for black hat hackers who use borrowed programs to attack networks and deface websites in an attempt to make names for them.

**Hacktivists:** Some hacker activists are motivated by politics or religion, while others may wish to expose wrongdoing, or exact revenge, or simply harass their target for their own entertainment.

**State Sponsored Hackers:** Governments around the globe realize that it serves their military objectives to be well positioned online. The saying used to be, "He who controls the seas controls the world," and then it was, "He who controls the air controls the world." Now it's all about controlling cyberspace. State sponsored hackers have limitless time and funding to target civilians, corporations, and governments.

**Spy Hackers:** Corporations hire hackers to infiltrate the competition and steal trade secrets. They may hack in from the outside or gain employment in order to act as a mole. Spy hackers may use similar tactics as hacktivists, but their only agenda is to serve their client's goals and get paid.

**Cyber Terrorists:** These hackers, generally motivated by religious or political beliefs, attempt to create fear and chaos by disrupting critical infrastructures. Cyber Terrorists ultimate motivation is to spread fear, terror and commit murder.

In the Philippine Army Network, the most dangerous hacker is a script kiddie. These script kiddies can actually cause damage to our Information Systems or aid other hackers, whether state sponsored hackers, hacktivist or cyber terrorists. Script kiddies are dangerous for the reason that they do not fully understand the concepts of the programs they are executing.

Malicious programs capable of breaching computers and networks can be easily downloaded from the internet. These programs include denial of service kits, vulnerability scanner/injector kit and sometimes legitimate security auditing tools.

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Many of these programs are injected with codes by hackers to serve their purpose. The moment these programs are executed by these script kiddies, these programs not only reports to the one who executed the program but also reports to its command and control center, thus causing a breach of security to the Philippine Army Network. In addition, penetration testing and vulnerability scanning can disrupt network activity or even worse, it can damage systems if not properly employed.



The PA Network is a production network and the PA Information Systems run through it. In no instance should it be subjected for vulnerability scanning and penetration testing unless authorized by proper authority and should only be done by system administrators and technicians.

The Philippine Army can block hackers from the internet, but it cannot block script kiddies (“those would be hackers”) inside the Philippine Army Network. So before using penetration/scanner kits and acting like a hacker, be aware of the threat you pose to our Information Systems and the users of the PA Network. Moreover, the Army will not cloak you from RA 10175 (Cyber Crime Law) in case you violate its provisions.

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