

Shivanandan Kommuri

Honeypots are closely monitored network decoys serving several purposes. They are a highly flexible security tool with different applications for security. They don't fix a single problem. They can distract adversaries from more valuable machines on a network, they can provide early warning about new attack and exploitation trends and they allow in-depth examination of adversaries during and after exploitation of a honeypot. They also have multiple uses, such as prevention, detection, or information gathering.

Reason for choosing the topic:

Since I first got to know what honeypot is, I got fascinated by the idea. It is different from traditional security mechanisms. It is like being waiting to get attacked. The idea of building a computer to be hacked made me excited. Watching attackers breaking into a system and controlling the honeypot, we learn how these individuals work and operate.

I want to present this topic as a paper, as I may not be able to cover all thoughts and details of the topic in the given time frame.