

**ANALYSIS AND DESIGN OF MICROTIC NETWORK SECURITY
USING PORT SCANNER DETECTION**

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ABSTRACT

When a device is connected to the internet then the first thing to note is about network security. There are many types of threats on public networks such as information/identity theft, data loss & manipulation, disruption of service. From so many network crimes the most feared is port scanning. Port scanning is the initial activity of a network technology crime to obtain target data and information before carrying out an attack or infiltration. This final project is made with the intention to analyze and design a network security system by utilizing the port scanner detection found on a proxy router. This research will produce a study and solutions that can be applied to network security to prevent scanning threats to our devices. When testing the research will try to scan the network to obtain router information, and then by implementing a port scanner detection we can block the scanning attacks that were carried out earlier.

Keywords: Microtic, Port Scanner Detection, Scanning, Network Security.