Week 3 Assignment 2: Active Versus Passive Scanning

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There are two methods of scanning techniques, active scanning and passive scanning. Each type serves a different purpose. Passive scanning is used to monitor systems for patterns and system mapping. Passive scanning is relatively more difficult to detect because of its unobtrusive nature. Comparing passive scanning to a physical activity would be like the survailence prepwork that a crew would perform prior to a bank heist. Sitting off in a distance to watch the patterns of the bank workers, guards, and customers. Collecting the data that will narrow the risk the crew takes when it is go time for the heist. Active scanning on the other hand is extremely intrusive. Active scanning is used to inject data to expose open ports and vulnerabilities.

**References**

Ciampa, M. (2019). [*Security awareness: Applying practical security in your world*](https://ashford.instructure.com/courses/87741/modules/items/4439938)(5th ed.). Cengage Learning.