**TCP/IP Attack- Task 3**

Completed by Eric Adamian

VirtualBox IP addresses:

|  |  |  |  |
| --- | --- | --- | --- |
| Virtual machine: | ClientVM | ServerVM | AttackerVM |
| IP address: | 10.0.2.4 | 10.0.2.5 | 10.0.2.6 |

**Task 3: TCP RST Attacks on Video Streaming Applications**

Explanation: Using Netwox 78 tool to establish a disconnection between the victim (client or server VM) and the content server

**Step 1:** Run a generic video through victim VM and content server (client or server VM)

A screenshot of a computer

Description automatically generated

**Step 2:** Use Netwox 78 to disrupt the connection (attacker VM)

A screenshot of a computer

Description automatically generated

**Step 3:** Video will begin to buffer from disruption to TCP connection

A screenshot of a cell phone

Description automatically generated

**Observation:** victim VM unable to connect to content server through attacker VM; **disconnection attack for existing connection was successful**