

Report on Ethical Considerations of Port Scanning

Introduction

Port scanning is a technique used for discovering open ports on a computer. It is a valuable tool for assessing a network's security, but requires some considerations

Considerations

- Consent:

one of the primary considerations of port scanning is obtaining proper authorization before scanning a network or system. Unauthorized port scanning may violate laws and regulations related to computer security and privacy.

we are scanning only our own pc and vms. team members have given each other permission to do so.

- Intent:

the motive behind port scanning is critical. While it can bolster security by uncovering vulnerabilities, malicious intent can lead to unauthorized access and cyber threats.

we are scanning only to learn more about how port scanning works, without malicious intent

- Harm Mitigation: Aggressive scans can disrupt services or trigger security alerts.

we are only scanning our own machines, so this isn't a consideration in this case.