



# Network Mapping

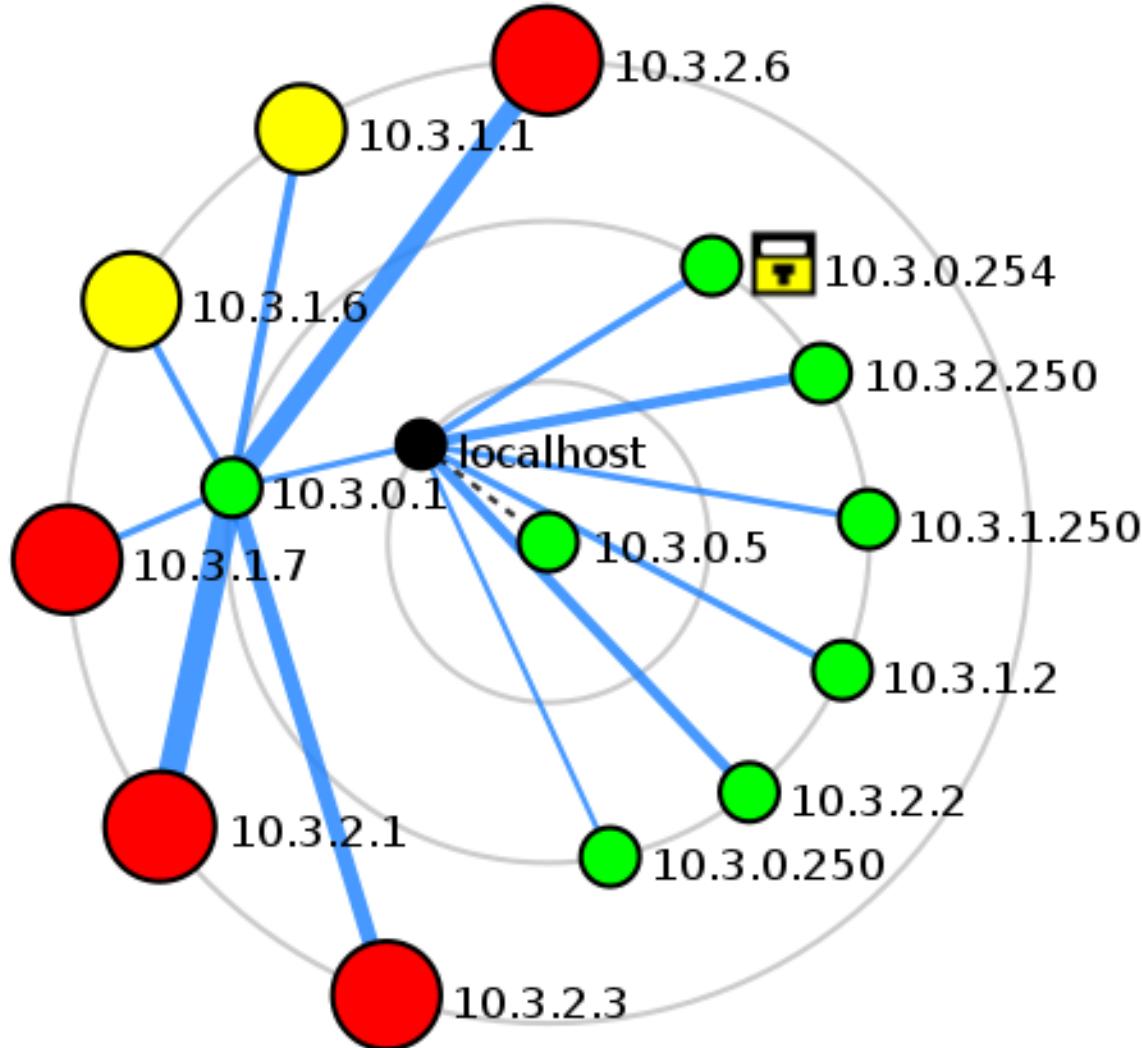
THREAT MANAGEMENT

# Network Mapping

- Network mapping tools used during active reconnaissance can approximate the network by using
  - Time to live (TTL)
  - Traceroute information
  - Other responses from the network devices
- Zenmap and nmap are useful for conducting network mapping



# Network Mapping (Zenmap)



# Network Mapping Challenges

- Firewalls and Layer 3 Switch ACLs can make it difficult to map a network fully
- Wireless networks are also a challenge
- Virtualized networks and infrastructure
- Cloud services

