Week 3: Connectivity, losses, latency, and geolocation

1. Introduction - Ping
2. Connectivity
3. Losses
4. **Latency**
   A. Introduction
   B. Components
   C. Clocks
   D. **Tools**
5. Geolocation
6. Conclusion

Latency - Tools

- **Ping**
- tcptrace
- OWAMP

Latency - Tools

- Ping
- **tcptrace**
- OWAMP

http://www.tcptrace.org/

measure near the sender

Latency - Tools

- Ping
- tcptrace
- **OWAMP**

http://software.internet2.edu/owamp/

OWAMP RFC 4656
owampd + owping