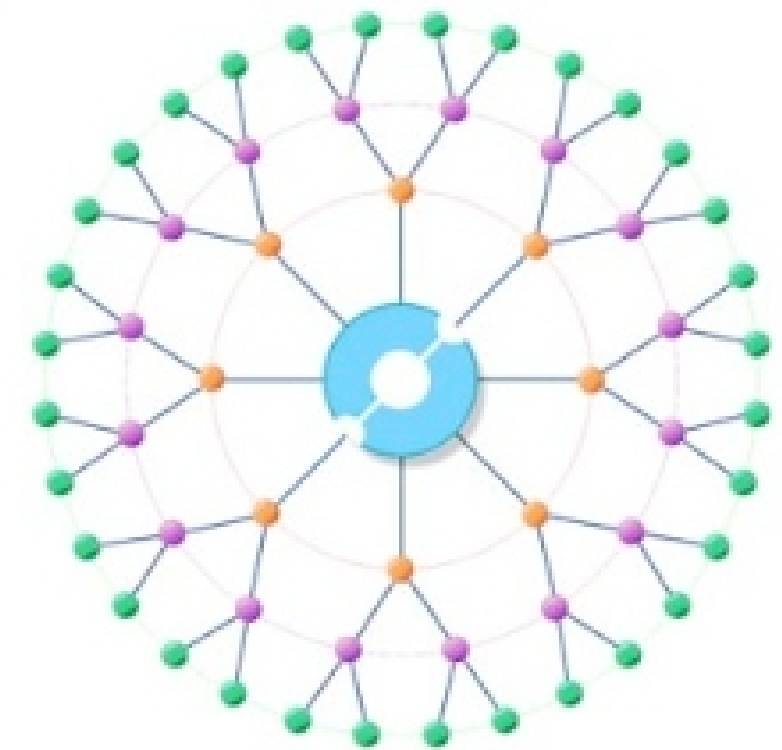


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**CSE443 - Introduction to  
Computer and Network  
Security**  
**Network Security**

Professor Kevin Butler  
Winter 2011

- Fundamentally about transmitting information between two devices
- Direct communication is now possible between any two devices anywhere (just about)
  - ▶ Lots of abstraction involved
  - ▶ Lots of network components
  - ▶ Standard protocols
  - ▶ Wired and wireless
  - ▶ Works in *protection* environment
- What about ensuring *security*?



# Network Security



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- Every machine is connected
  - ▶ What is trust model of the network?



- Not just limited to dogs as users