Networking Concepts for CompTIA Network+ (N10-007)

INTRODUCTION TO NETWORKING

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NETWORK ENGINEER
@bagurdes

Module Goals

What is networking?

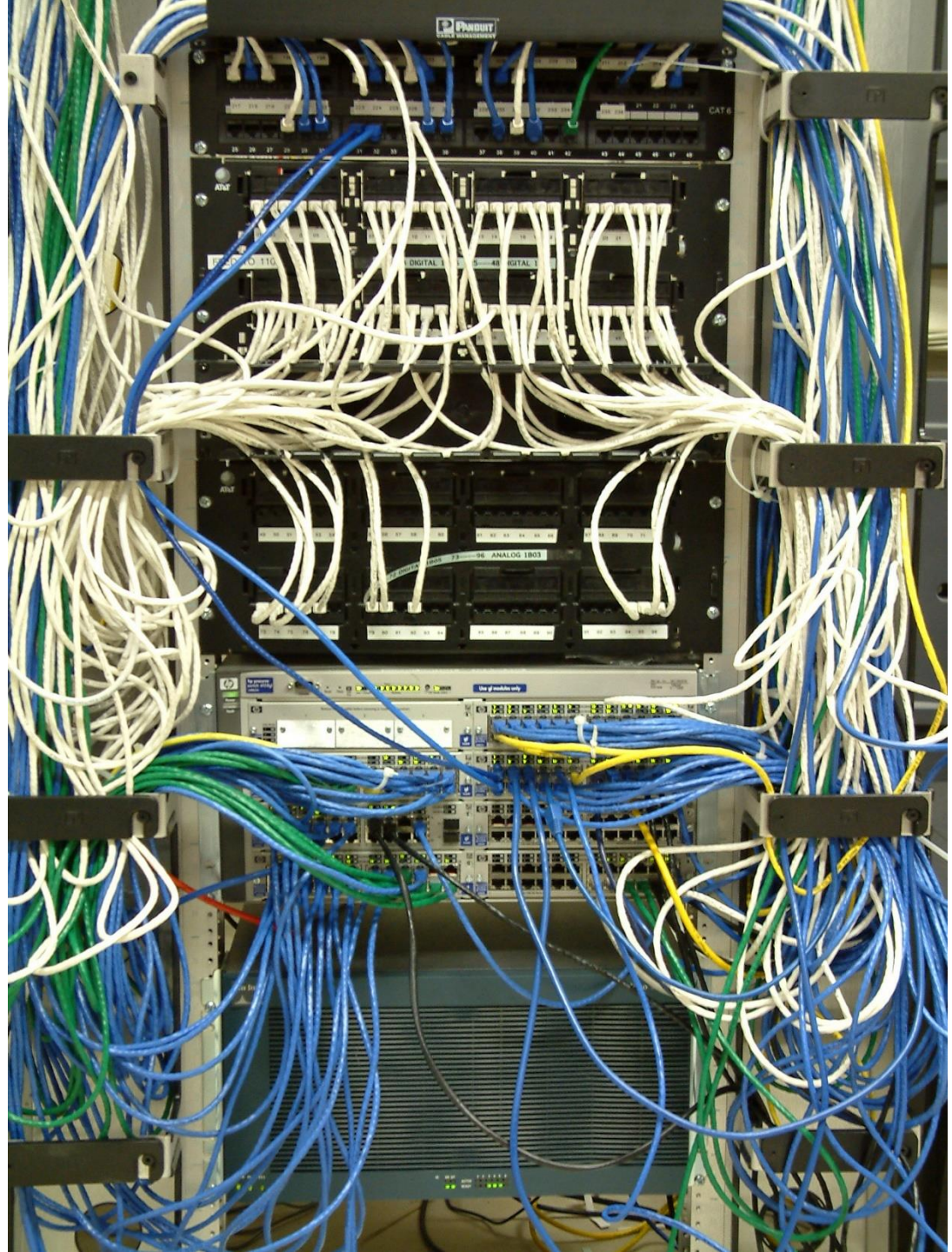
Understanding networking concepts

Modeling network communication

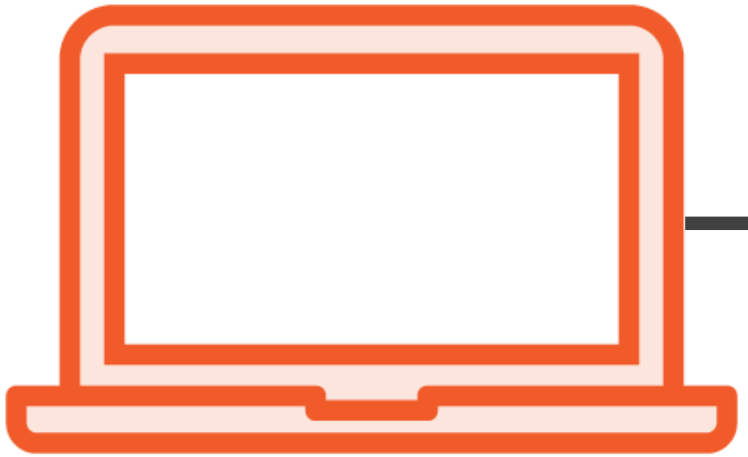
CompTIA Network+ Exam Objectives

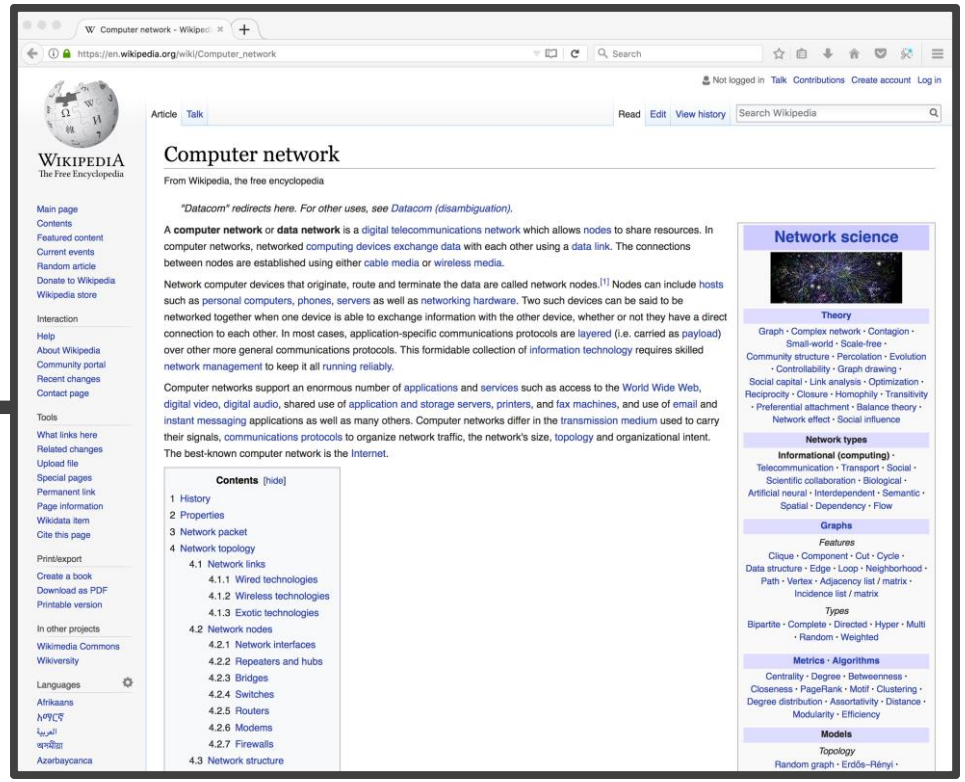
What is Data Networking?

What is Data Networking?


PANDUIT
CAT 6
ANALOG 1803

What is Data Networking?





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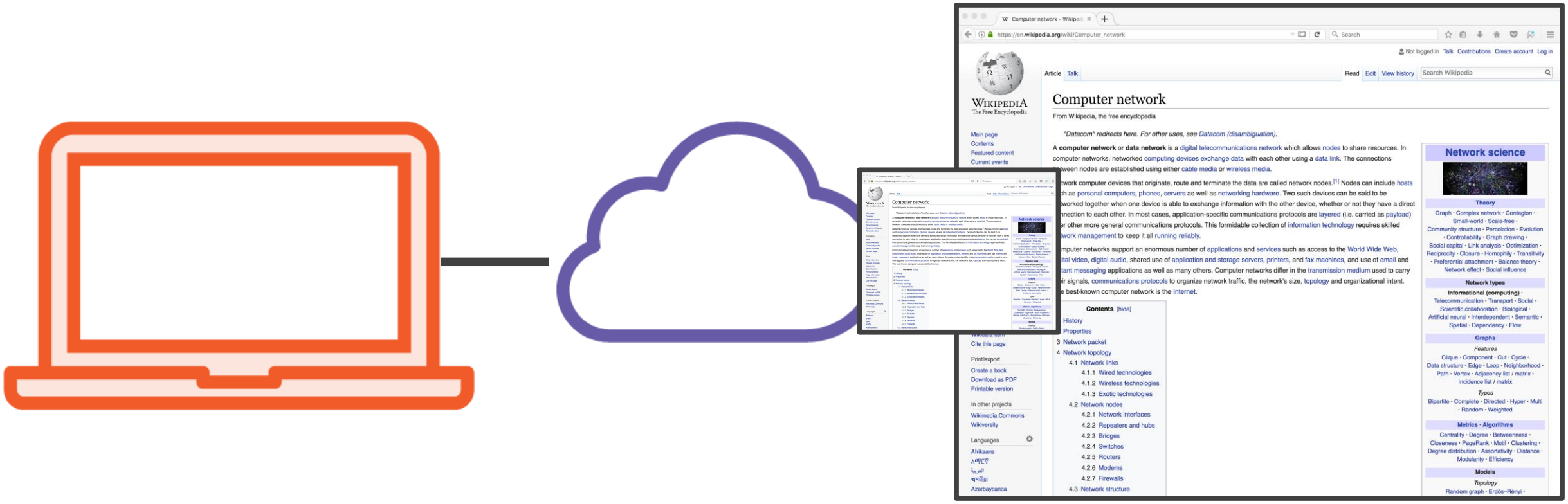

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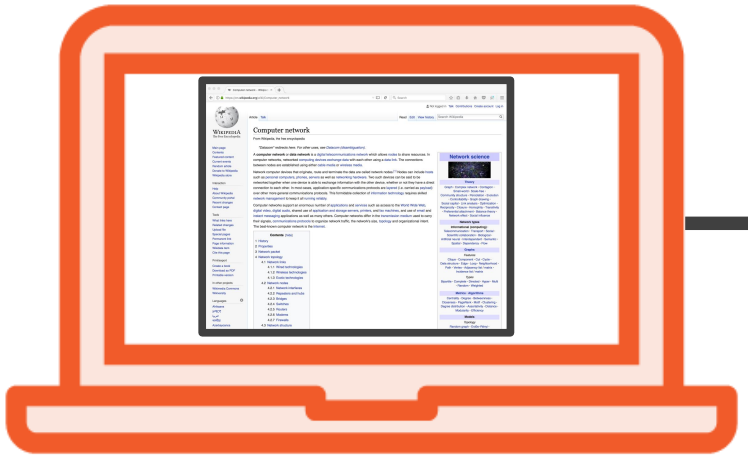
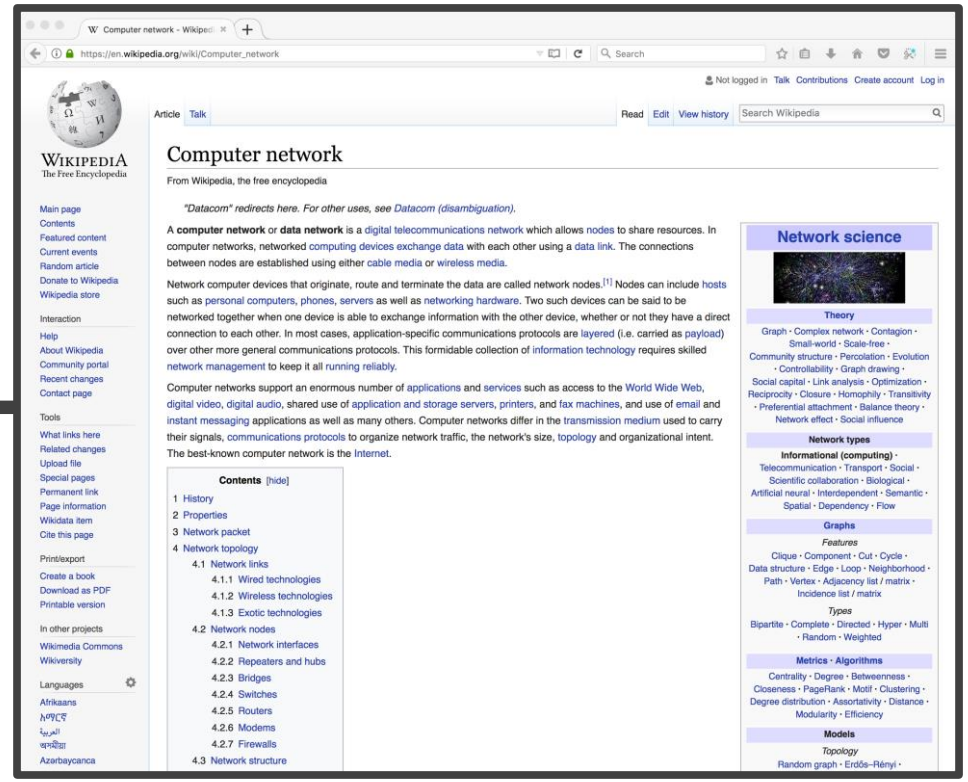
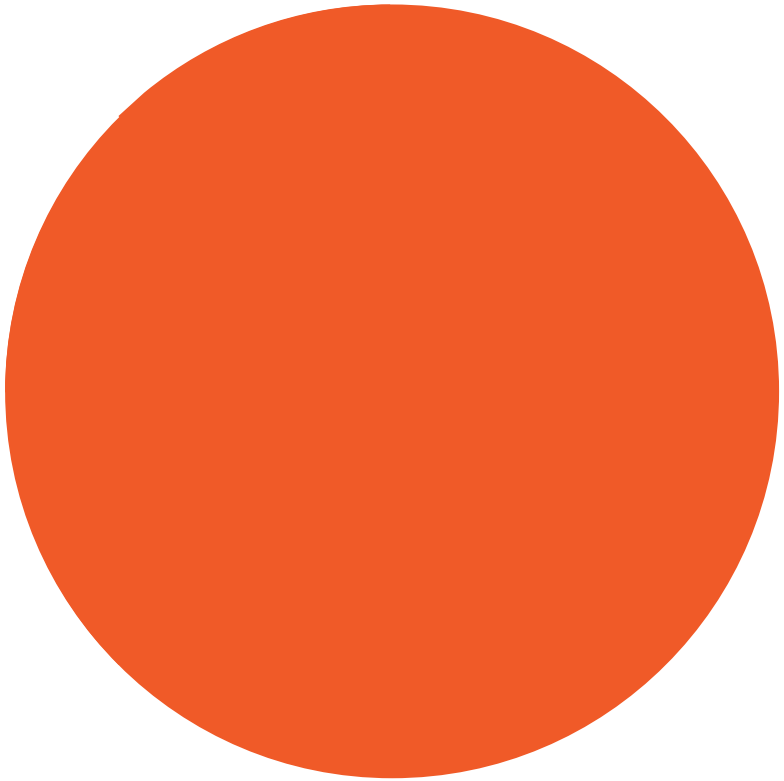


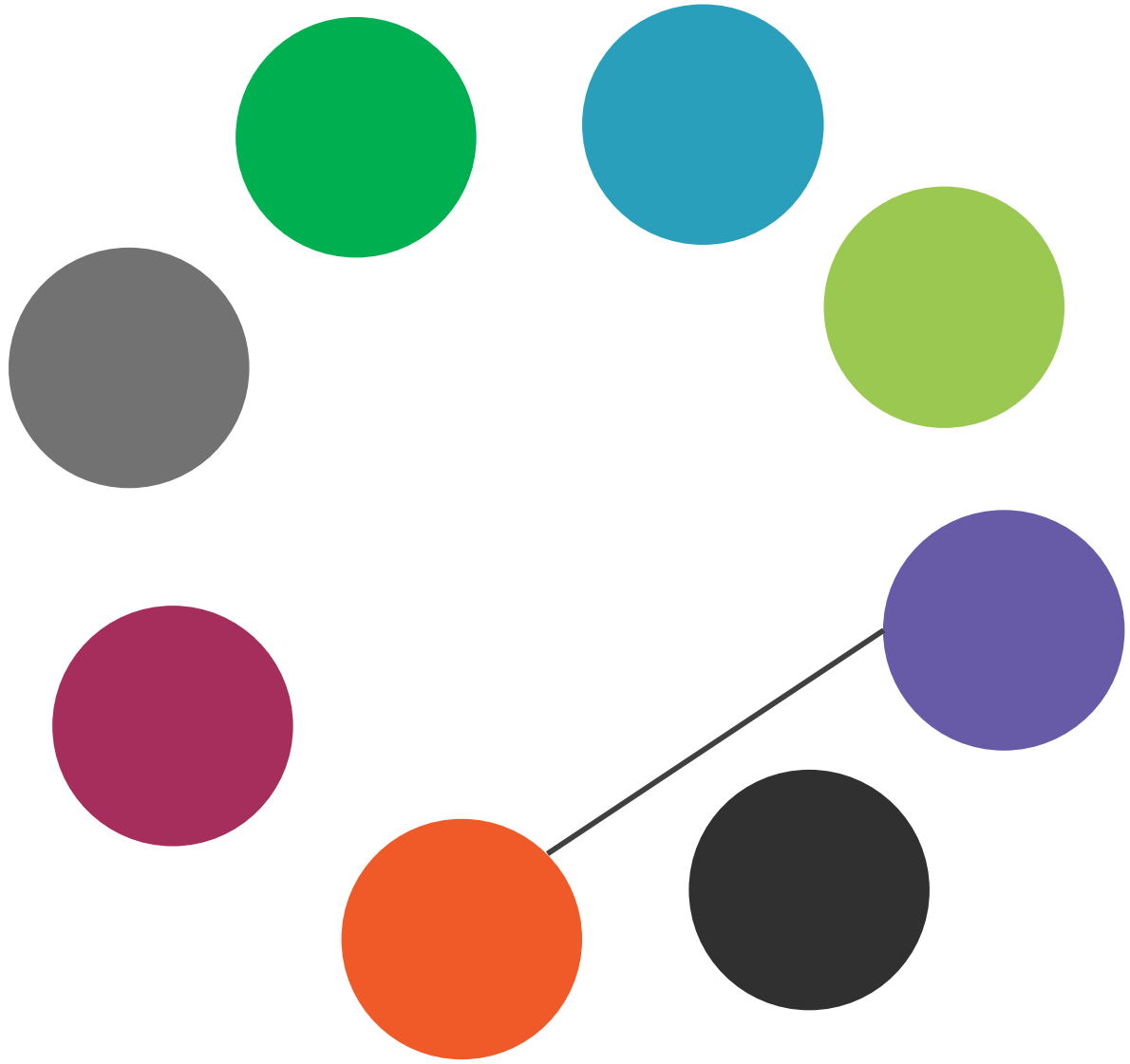


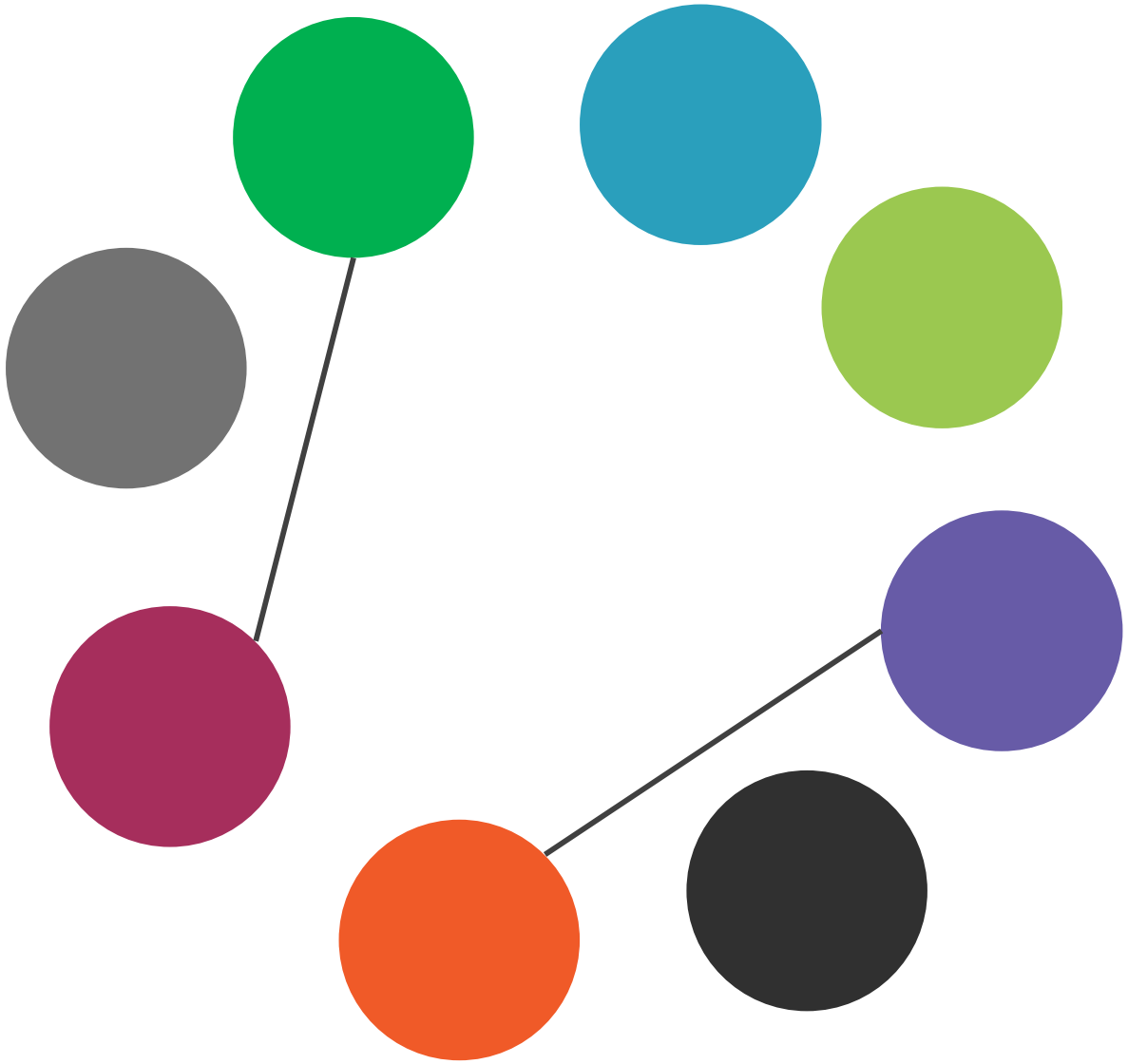
What is Data Networking?

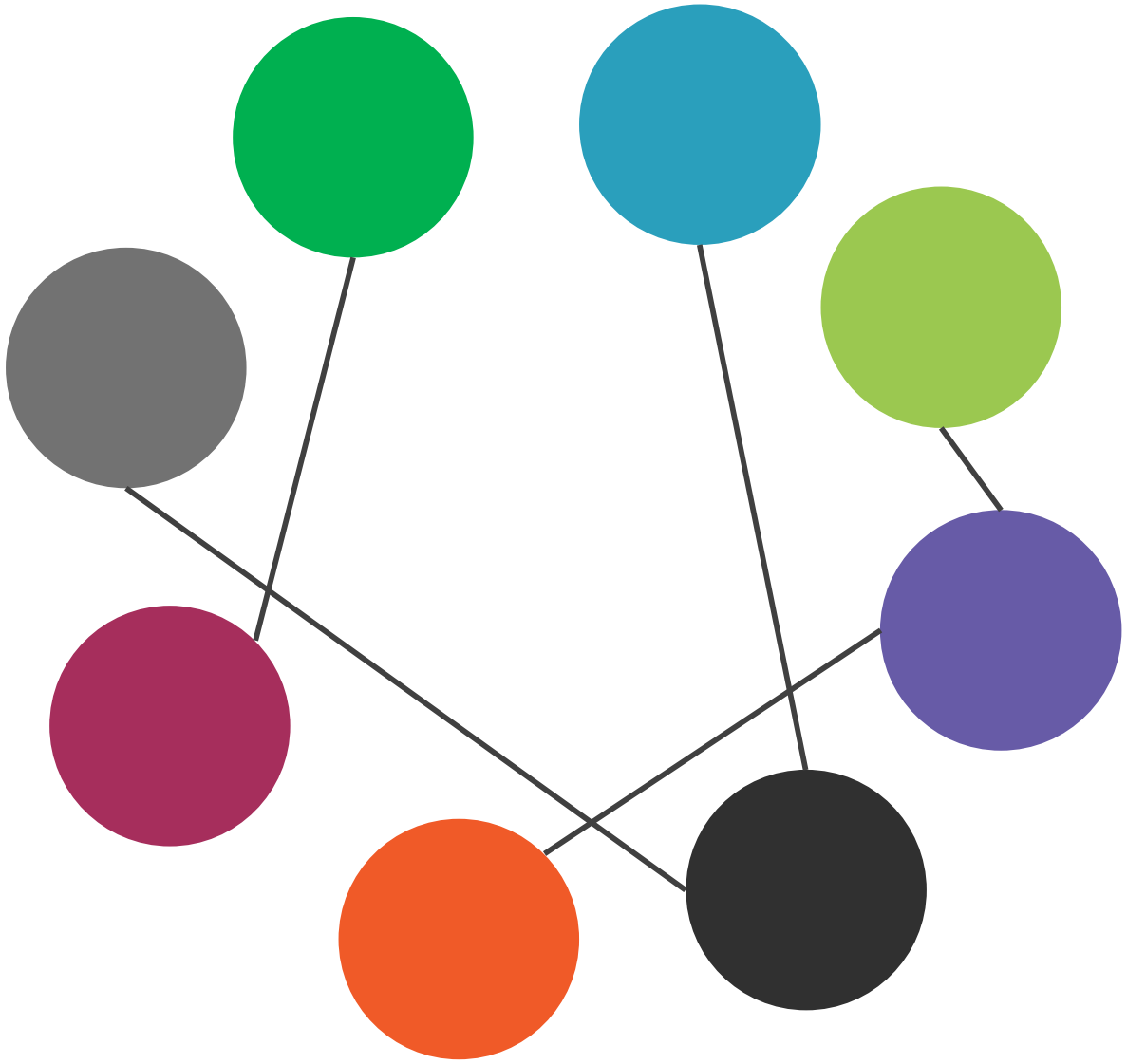
Moving information from one device, to another device.

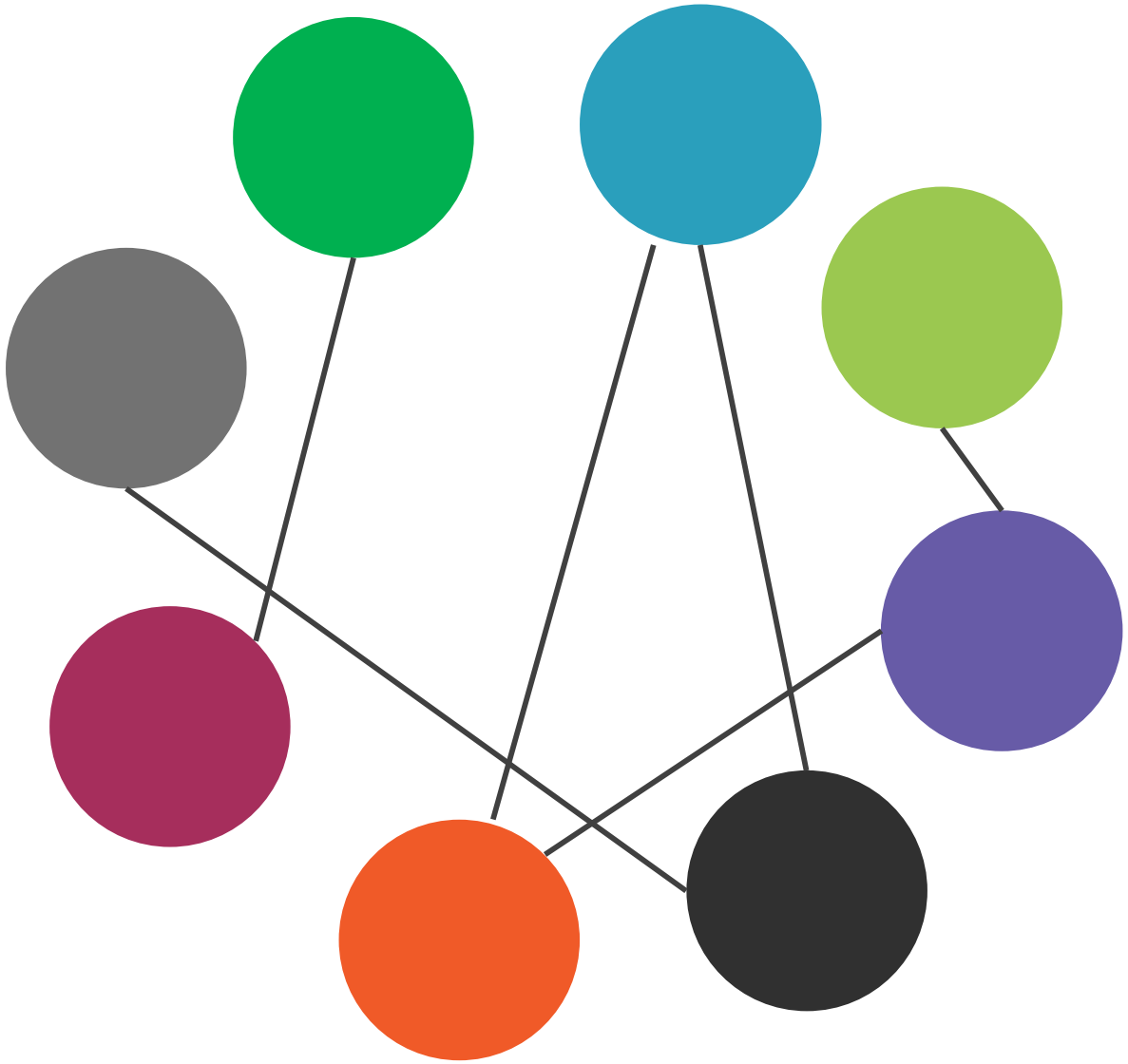
Understanding Data Networking

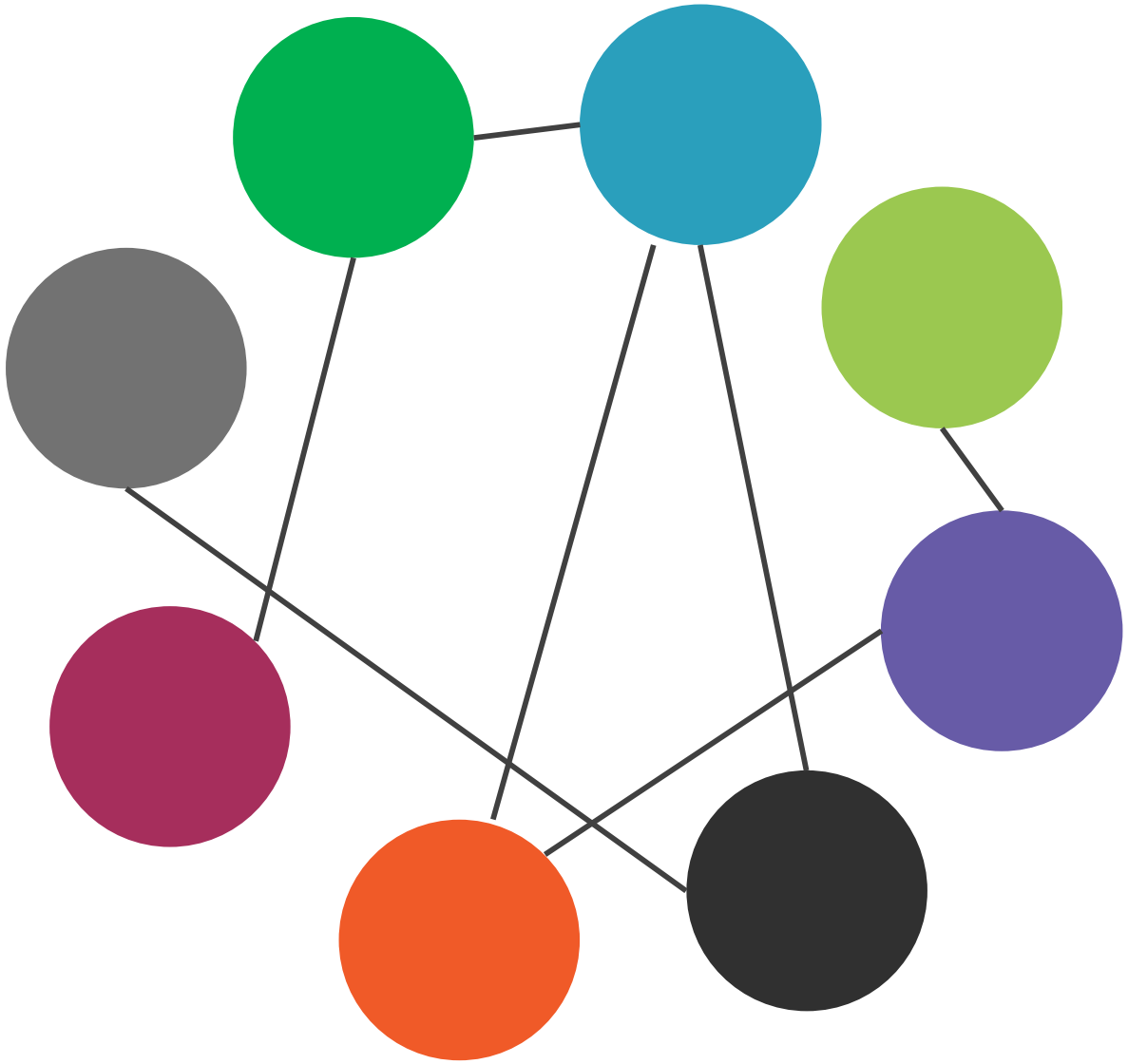


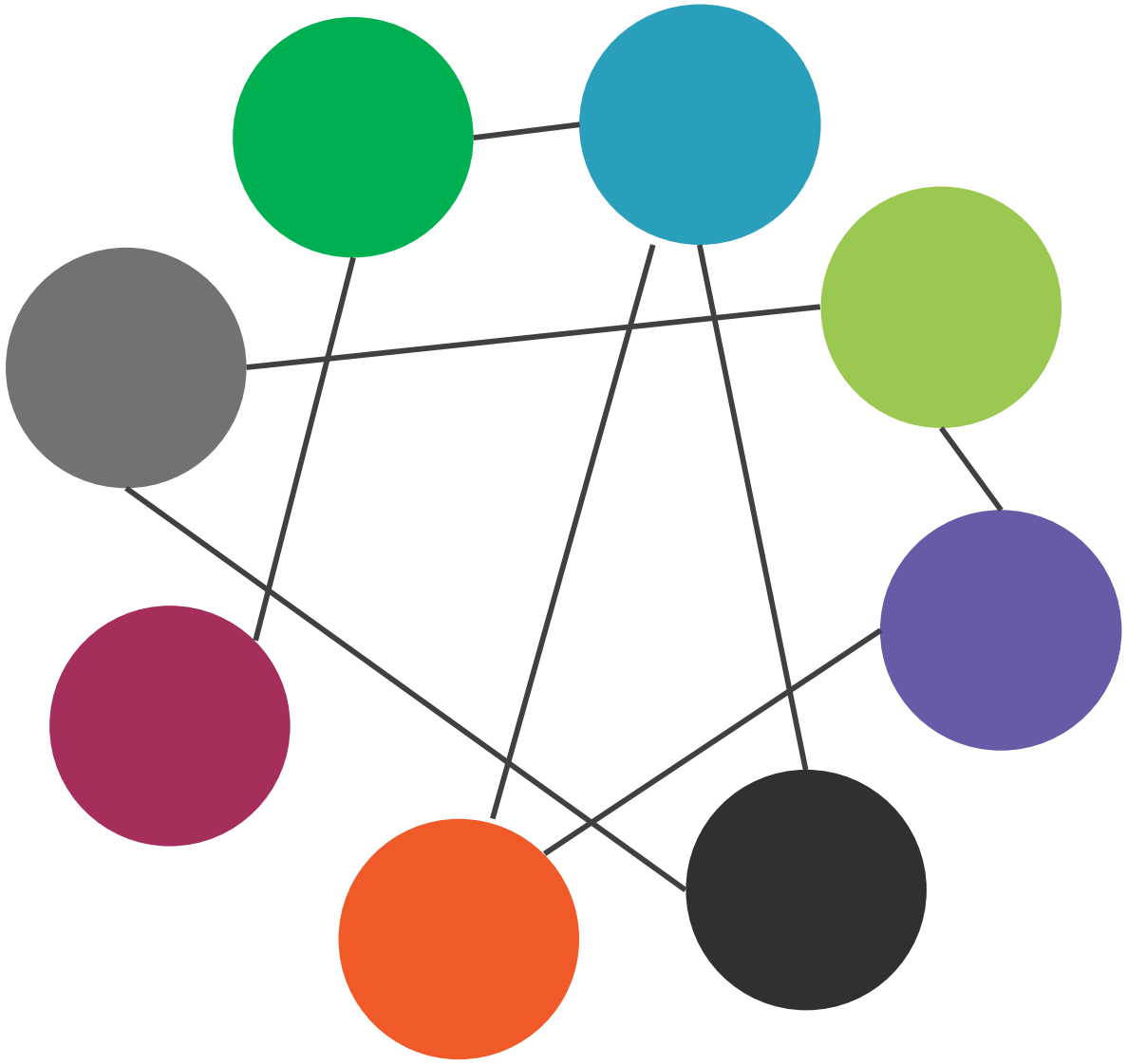


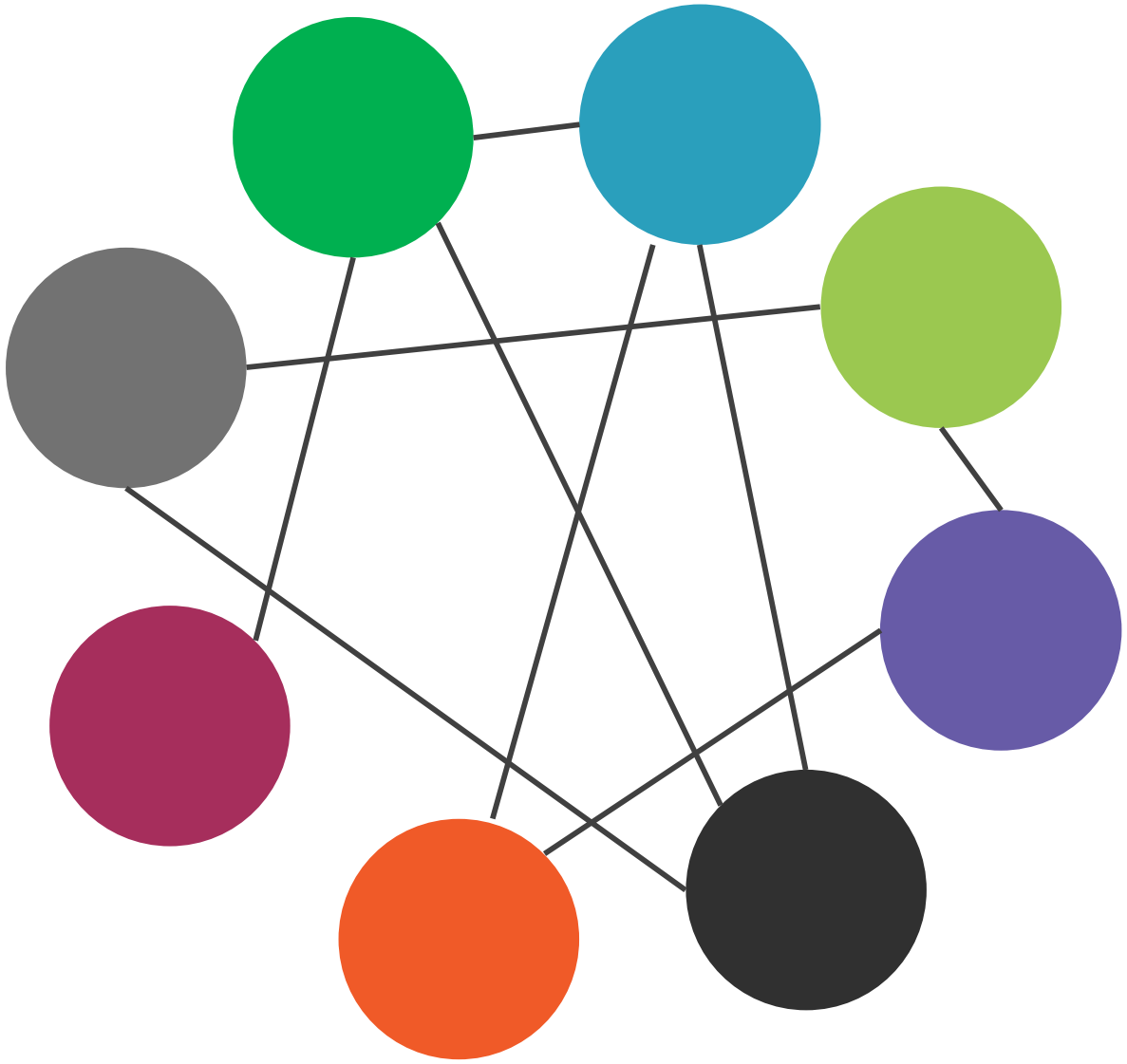


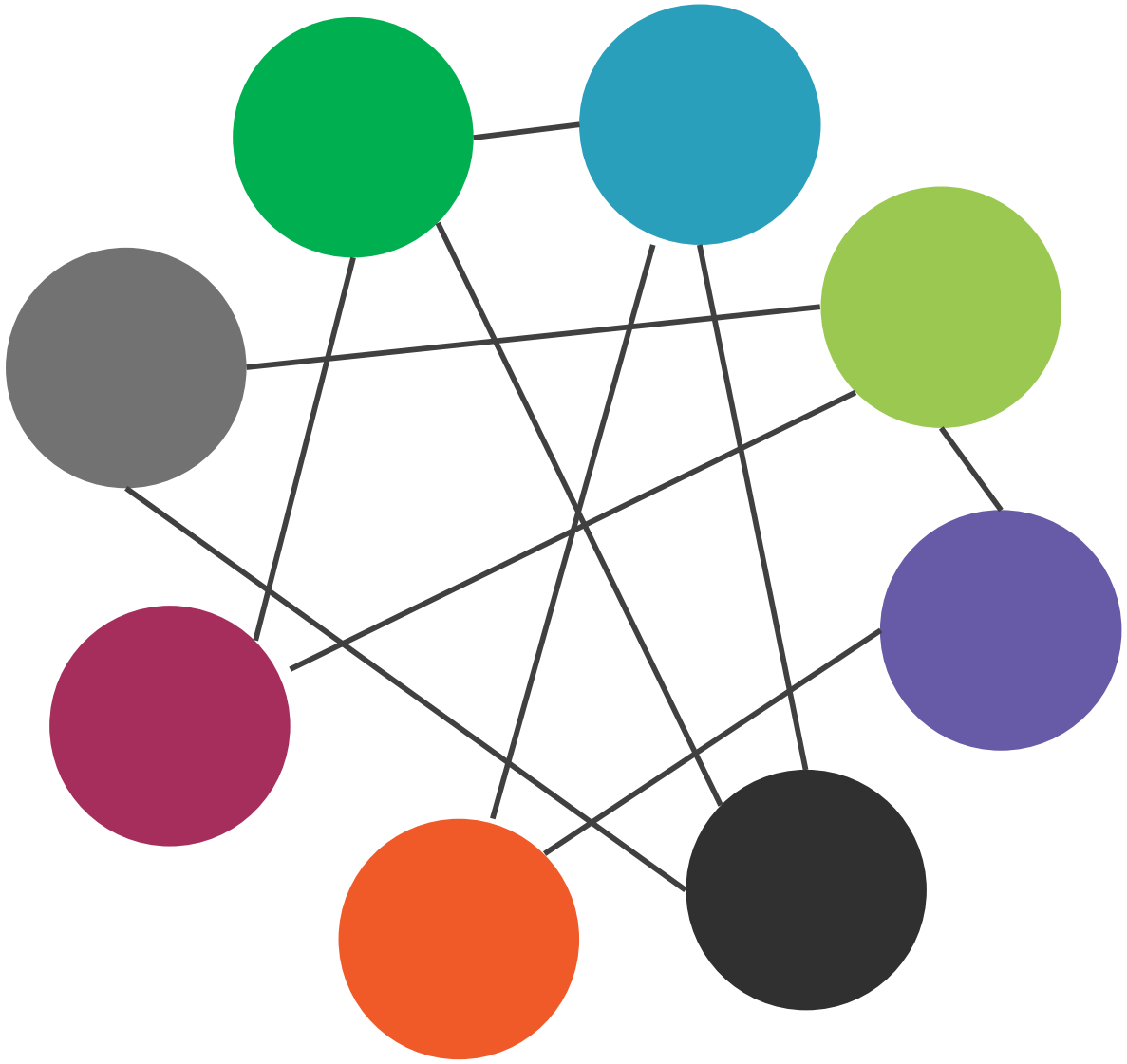


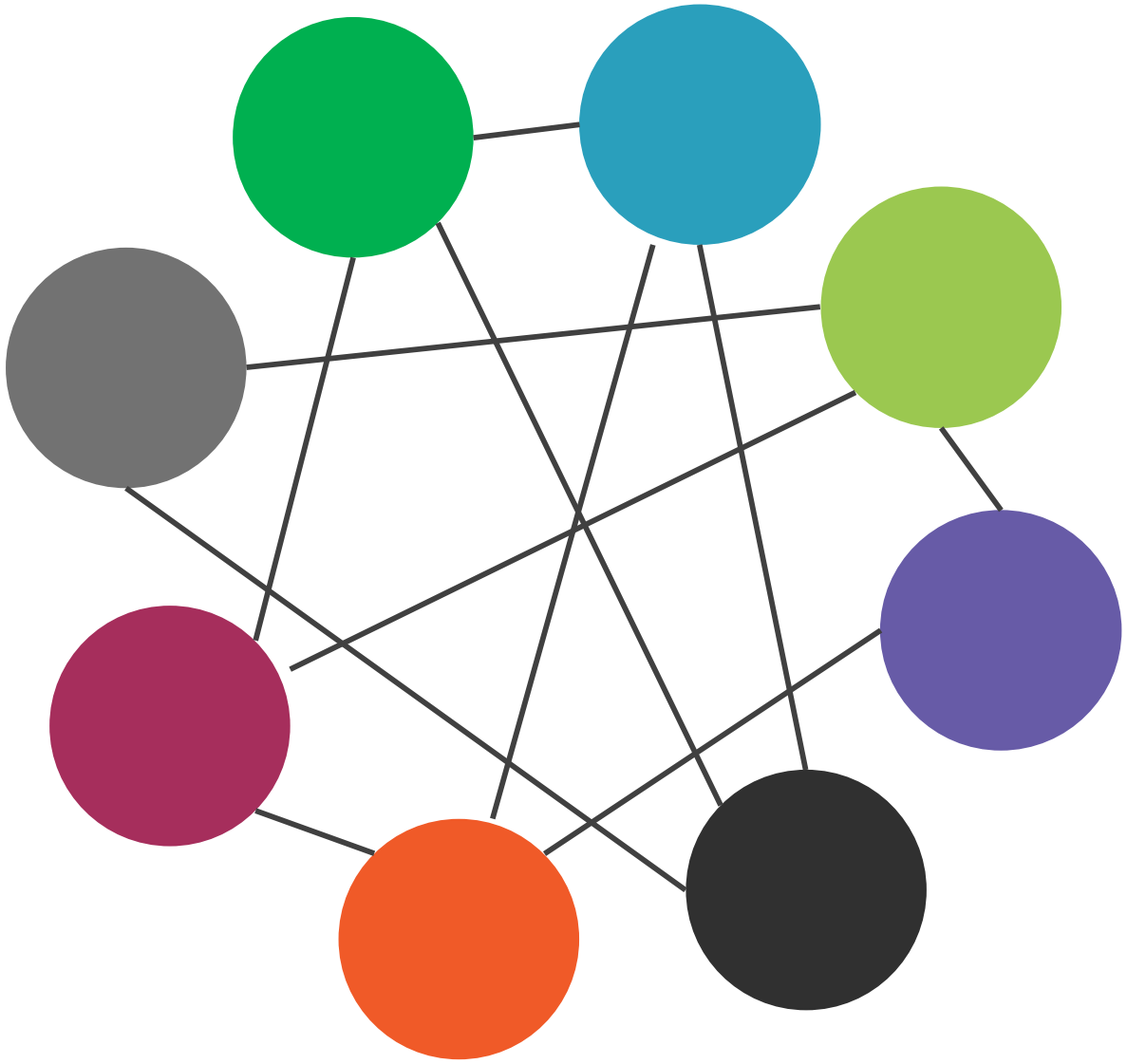






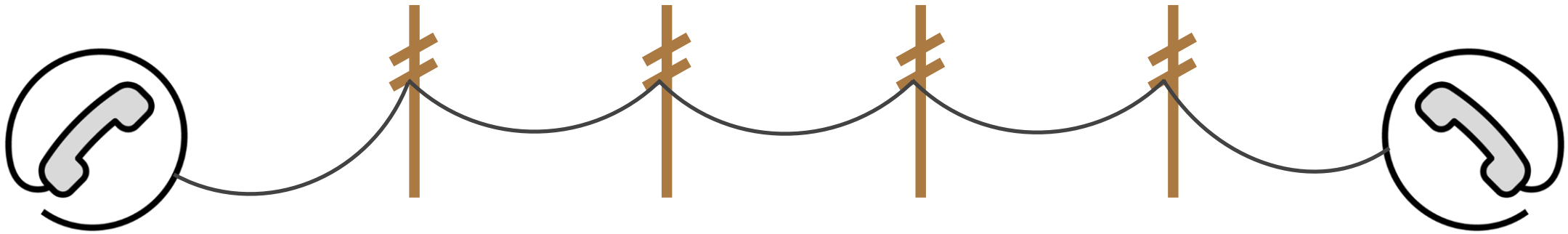






Example
Using a Telephone

Moving Information
Telephone



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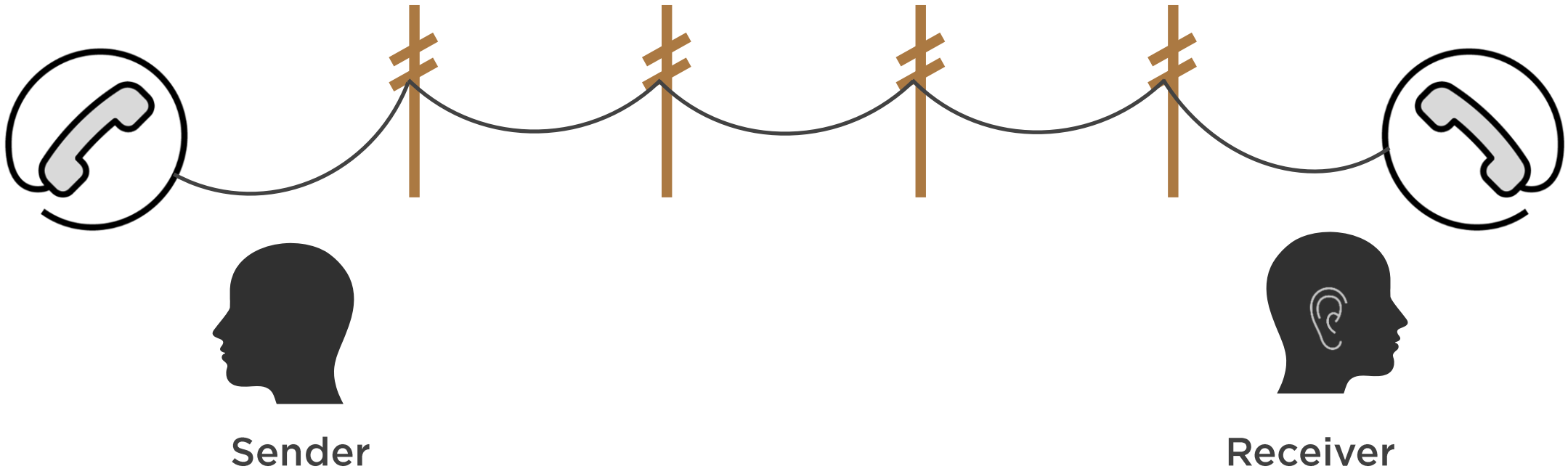

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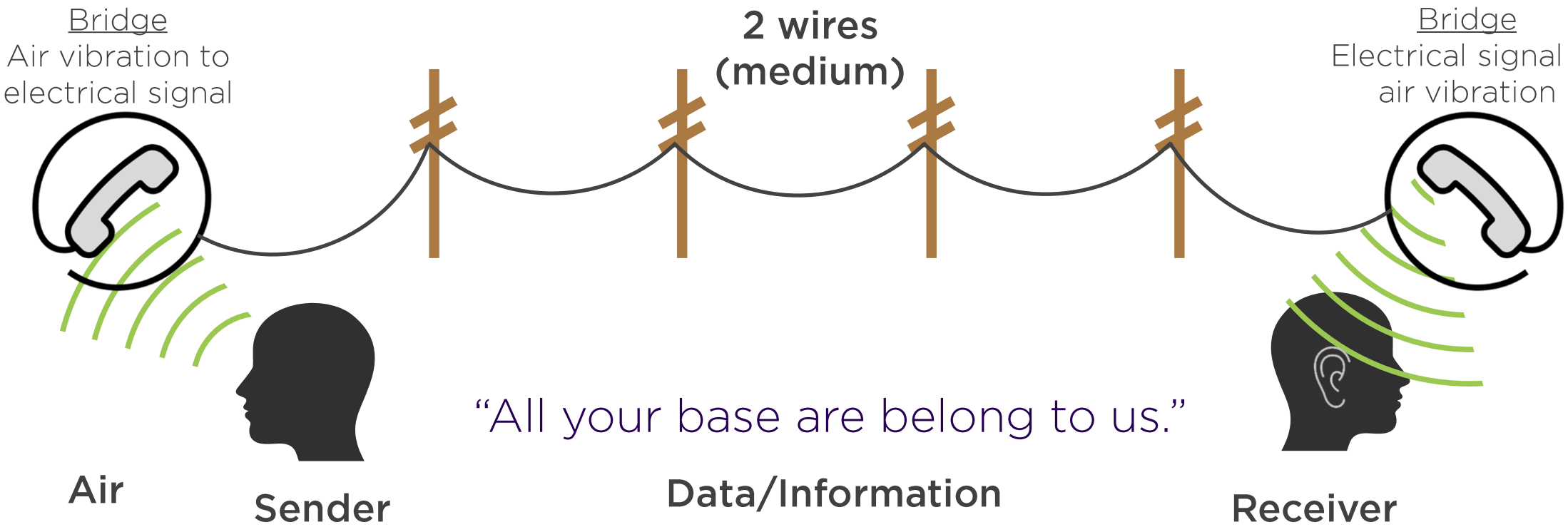

Modeling Systems

Message	Concept
English	Language
Vibration	Link
Air	Physical

Modeling Systems

Message	Concept		
English	Language		
Vibration	Link		Electric Pulse
Air	Physical		Copper wire

Modeling Systems

CompTIA Network+

Exam Objective Information

Exam Objectives

https://certification.comptia.org/certifications/network

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DOMAIN	PERCENTAGE OF EXAMINATION
1.0 Networking Concepts	23%
2.0 Infrastructure	18%
3.0 Network Operations	17%
4.0 Network Security	20%
5.0 Network Troubleshooting and Tools	22%
Total	**100%**

Scroll through exam objective PDF.

Exam Objectives

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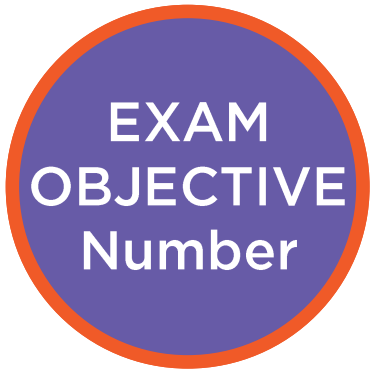

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Exam Objectives

5.5

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1.0	Networking
1.1	Explain the purpose of ports and protocols
1.2	Explain devices, applications, protocols and services at the appropriate OSI layer.
1.3	Explain the concepts and characteristics of routing and switching.
1.4	Given a scenario, configure the appropriate IP addressing components.
1.5	Compare and contrast the characteristics of network topologies, types and technologies.
1.6	Given a scenario, implement the appropriate wireless technologies and configurations.
1.7	Summarize cloud concepts and their purposes.
1.8	Explain the function of network services.

Network+ Networking Concepts (1 of 5)

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Network+ Networking Concepts (1 of 5)

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