

Computing

Lesson 5: Creating Personal Networks

IT and the World of Work

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¹ Materials from the Teach Computing Curriculum created by the National Centre for Computing Education



Advantages and disadvantages



Introduction

Decide whether each of the features on the next slide is an advantage or a disadvantage of ad hoc networks. Place an A (advantage) or a D (disadvantage) next to the feature.

Copy and complete the table.



Advantages (A) or disadvantages (D)

Devices can be added when required without the need for cables/wires, allowing flexibility for workers and business owners		Cost-effective	
The network may become unorganised as there is not one device that has overall control		The network can be increased or reduced at any given time	
Once a connection is established, devices can communicate immediately		More open, therefore easier for attackers to access	
Information is shared at a slower rate because of the limit on the amount of data that can travel at one time			



Case studies



Task: Case studies

1. Read the following case studies
2. For **each** case study, answer:
 - a. How would an ad hoc network benefit the person?
 - b. What are the potential risks of using an ad hoc network?
 - c. How could they prevent those risks?



Case study 1: Mia

Mia is a style vlogger and often enjoys editing her videos and uploading them in a coffee shop. Her laptop is WiFi-enabled, but she does not want to use the open connection in the coffee shop.

She also works on and sends a transcript of her video to the company she vlogs for, and is worried that some of her personal data might be stolen.



Case study 2: Joe

Joe is a freelance journalist who frequently spends time away from home and stays in hotels overnight.

He writes and submits his stories online to local and national newspapers. He uses a laptop for this, but often makes notes on a tablet device.

