
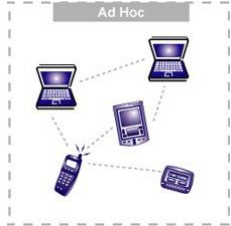


**Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies  
Communication Technologies - Setting up Ad Hoc Networks**

Key Vocabulary	
Bluetooth	
Ad hoc Network	
Personal Area Network	
Tethering	
Personal hotspot	
PIN	
Encrypted	
USB	
Insecure	
Streaming	

**Traditional vs ad hoc networks**

<p>Traditional networks are</p> 	<p>Ad hoc networks are</p> 
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**Examples of ad hoc networks:**

- 
- 
- 

Benefits of ad hoc	Drawbacks of ad hoc

**Issues affecting availability:**

## Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies Features and Uses of Cloud Storage

Key Vocabulary	
<b>Server</b>	
<b>Downloading</b>	
<b>Uploading</b>	
<b>Synchronising</b>	

What is cloud storage?

When is cloud storage available?

Features and usage of cloud storage:

What can be stored in the cloud?



What do you store on the cloud?

Cloud Storage Providers:



Benefits of cloud storage	Drawbacks of cloud storage

# Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies Features and Uses of Cloud Computing



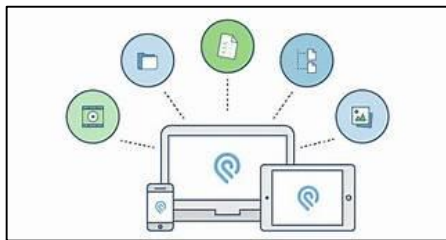
**There are two main ways of accessing online applications.**

1. Web-based applications which run entirely through browsers
2. Cloud-based applications where your local services and cloud service work together to provide a service.

Benefits of online applications	Drawbacks of online applications

What is file sharing?

**Benefits of collaboration tools**  
 Collaboration tools allow users to:



## Example exam question

PublishShare works with writers from all over the world. They use cloud computing technologies for employees and writers to collaborate.

(c) Annotate the diagram to explain how **two** different features of this cloud computing system can be used to aid collaboration.

Your annotation should include the identification of each feature and an explanation to show how the feature can be used to aid collaboration. An example has been provided

**(4)**

**Book Title** Share

File Edit View Comment

UserA

**Introduction**

The latest publication in the series can be found by visiting the website. ..... Updated 2 mins ago by UserA

UserB

**Chapter 1**

*Users icons show all collaborators who else is currently working on a document*

Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies  
Selection of platforms and services

Key Vocabulary

Stakeholders	
Downtime	
Geo-data	

The most common platform types:



Features that affect platform selection:

What might an organisation consider when selecting a cloud platform?

Example Exam Question

A photographer/ journalist at a football match takes hundreds of pictures during a game. They will need to select the best picture and write a story before the deadline 2 hours after the game has finished. Using the features below which device would be most suited for his job?

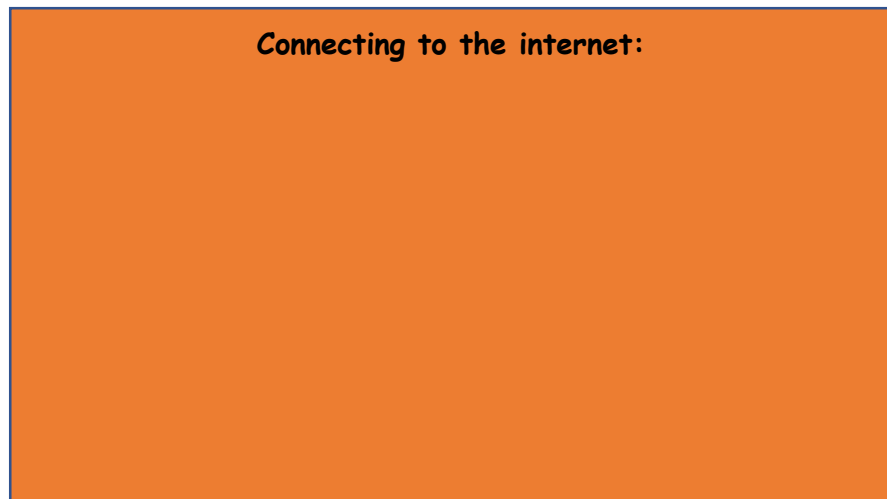
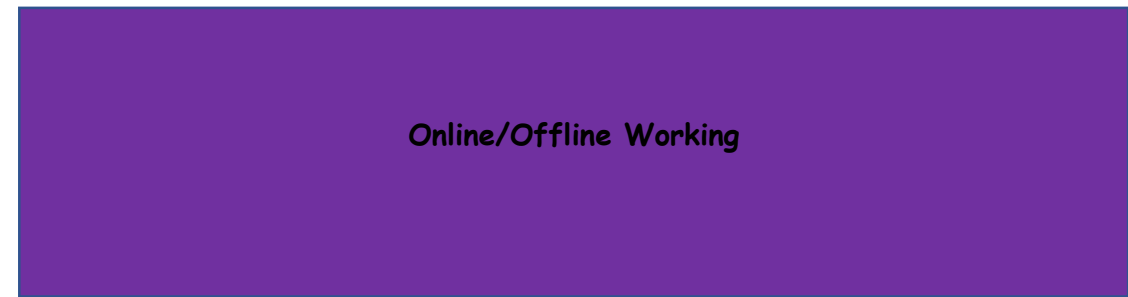
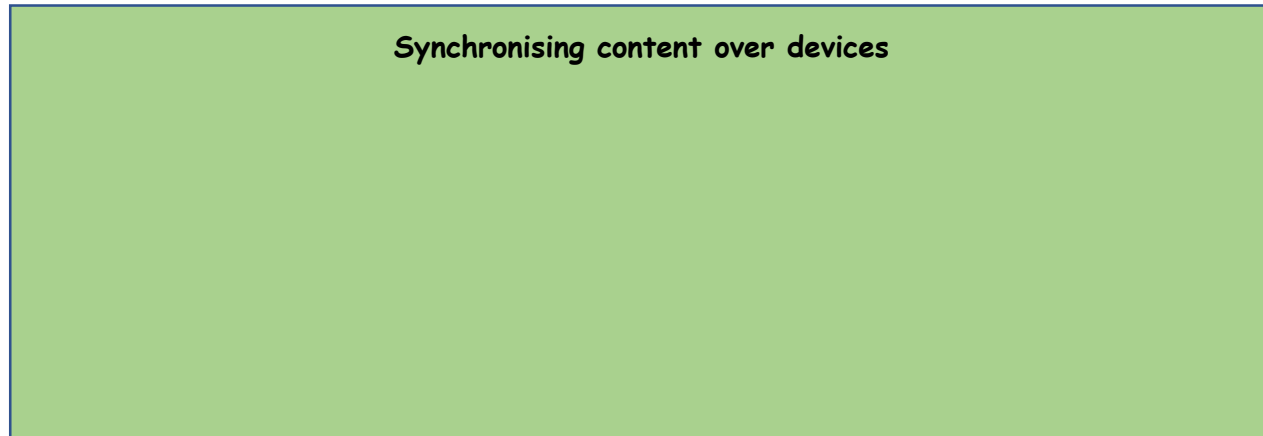
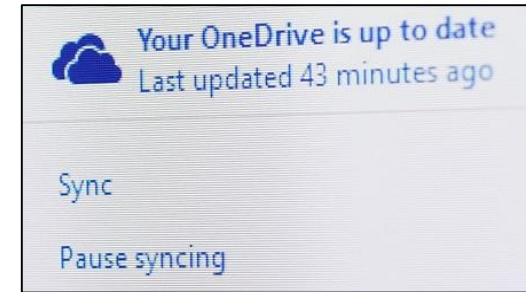
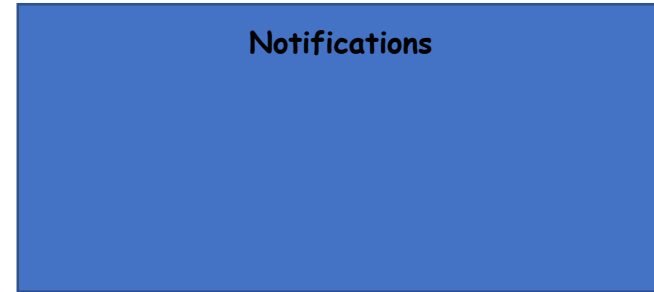
- Screen Size
- Portability (how easy it is to move around)
- Storage capacity
- User interface



# Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies

## Using Cloud and Traditional Systems Together

Key Vocabulary	
Synchronisation	



- Example exam questions:**
1. Explain why you should sync content between devices and systems.
  2. Explain how a personal hotspot helps with synchronisation.

# Component 3 Learning Aim A Modern Technologies - A1 Modern Technologies Choosing Cloud Technologies

There are different factors that organisations will have to consider when choosing cloud technologies that will work for them and their situation. Some of these include:

- 
- 
- 

## Disaster Recovery Policies

## Data security

Cloud technologies can generally be relied on to:



## Compatibility

### Benefits of disaster recovery policies

### Drawbacks of disaster recovery policies

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Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
Collaborative Technologies

Key Vocabulary

Version Control

Collaborative Technologies

Type of collaborative technology	Examples	Uses

Benefit of collaborative technologies	Description

Version Control



Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
Using Modern Technology When Managing Teams: Communication and Collaboration

Tools for collaboration

Communicating as a team

NAME	EMAIL	ACTIONS	ACTIVITY
Claire	-	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
Client	-	<a href="#">Message</a>	<span style="color: green;">●</span> Browsing
Support Team	-	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
Client	-	<a href="#">Message</a>	<span style="color: green;">●</span> Browsing
Suzie	s.novak@gmail.com	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
John	-	<a href="#">Message</a>	<span style="color: green;">●</span> Browsing
Pam	pam@gmail.com	<a href="#">Message</a>	<span style="color: green;">●</span> Browsing
Thom	thom@gmail.com	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
Client	-	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
Pam Beesly	pam.beesly@company...	<a href="#">Go to chat</a>	<span style="color: green;">●</span> Chatting
Eric	-	<a href="#">Message</a>	<span style="color: green;">●</span> Browsing

Benefits of using collaborative and communication software to manage teams:

Example Exam Question

The use of collaborative technologies will allow PublishShare's employees to work from home.

(d) Explain **two** benefits to PublishShare of allowing its employees to work from home.

(4)

1 .....

.....

.....

2 .....

.....

.....

**Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
Using Modern Technology When Managing Teams: Scheduling and Planning**

Key Vocabulary	
URL	

**Scheduling and Planning**



**Setting up a team**

**Benefits of using scheduling and planning software to manage and work within teams**

Benefit	Description

**Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
Communication with Stakeholders**



**Communication Platforms**

There are lots of communication platforms available, for example:

**Communication with Stakeholders**

**What is a stakeholder?**

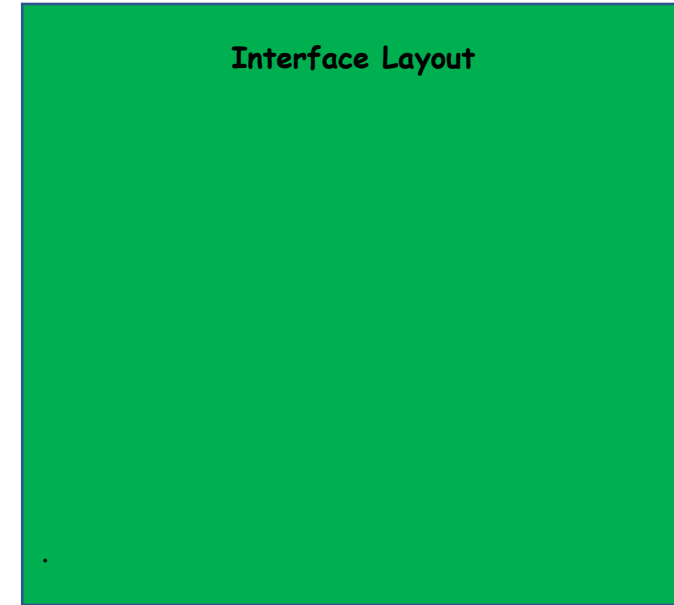
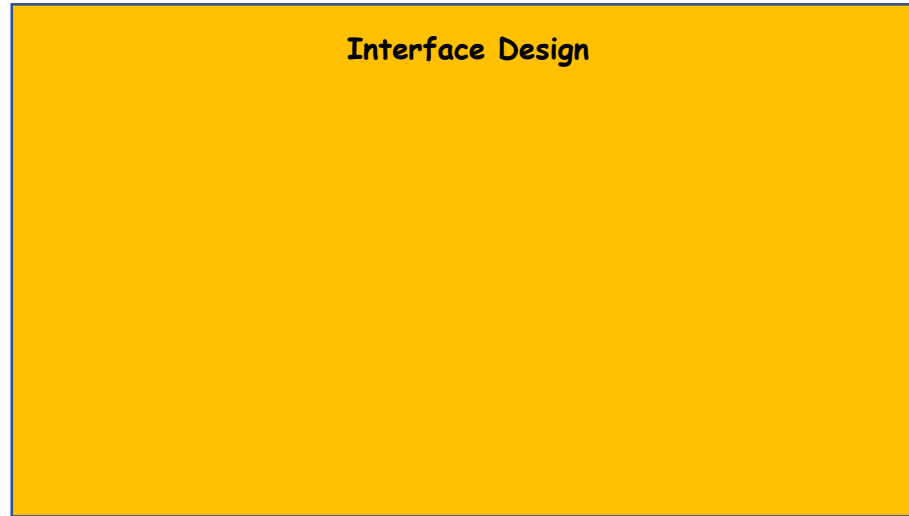
Technologies for Communication	
Channels	Description
Websites	
Social media	
Email	
Voice communication	
Live chat	

**How to choose the right communication technologies**

Private Communications	Public Communications

# Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies Accessibility and Inclusivity

Key Vocabulary	
ALT Text	



**Accessibility Features**

Most operating systems have built-in accessibility features, such as magnifiers, the option to change the colour schemes and even to use the computer without a display, mouse or keyboard.

Other accessibility tools available include:



**Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
How Modern Technologies Impact on an Organisation (Part 1)**

Key Vocabulary	
Distributed Data	
Dispersed Data	

**Impacts of infrastructure on an organisation:**

Benefits and Drawbacks of Technologies			
Technologies	Description	Benefits	Drawbacks
Communication technologies (devices)			
Local platforms			
Web-based platforms			
Availability			

**Security of distributed/dispersed data**

Benefits of distributed data	Drawbacks of distributed data



Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
How Technologies Impact the Way Organisations Operate

Key Vocabulary	
Wiki	

Digital technologies have made communication and working together in organisations much more efficient and accessible.

Benefits and Drawbacks of Collaborative Technologies.		
Technology	Benefits	Drawbacks
File sharing		
Wikis		
Blogs		
Chat Systems		
Tele/videoc onferencing		

### Technology and Accessibility

### Technology and Remote Working

More and more people can access paid work that does not require them to go to a specific place of work.  
The benefits to the organisation are:

-

**Component 3 Learning Aim A Modern Technologies - A2 Impact of Modern Technologies  
How Technologies Impact Individuals**

**How technology impacts individuals**

**Impact on individual wellbeing**

**Working flexibly and choosing your working style**

<b>Impact of Technology</b>		
<b>The impact of technology</b>	<b>What it really means</b>	<b>Benefit or drawback</b>
Contact with others		
Self-confidence		
Lack of confidence		
Separation from a stressful environment		
Control of your own schedule		
Ability to control your schedule to meet the needs of your family		
Less time commuting to or between offices		
Loneliness		
Depression		