



Cybersecurity

Taking
cybersecurity to
the next level

We live in a world of **digital connectivity**; and thanks to advancements in areas like the Internet of Things, this world is **evolving rapidly**. Being more connected has many positives, improving how we live, how we connect with others and supports the health and wellbeing of our communities. However, it has also resulted in an increase in **criminal activity**.

To protect ourselves and our devices from these threats, we need **cybersecurity**. This refers to **techniques and approaches** which **secure our digital networks** against **cyberattacks** and **cybercriminals**.



Companies like BT Group do a lot of work in **cybersecurity research and innovation**, finding new ways to protect their **staff, customers, suppliers** and wider **communities** from cybercriminal activity.

BT Group works hard to implement effective cybersecurity measures which boils down to two core elements: **finding any problems quickly (detection)** and **fixing them fast (response)**.

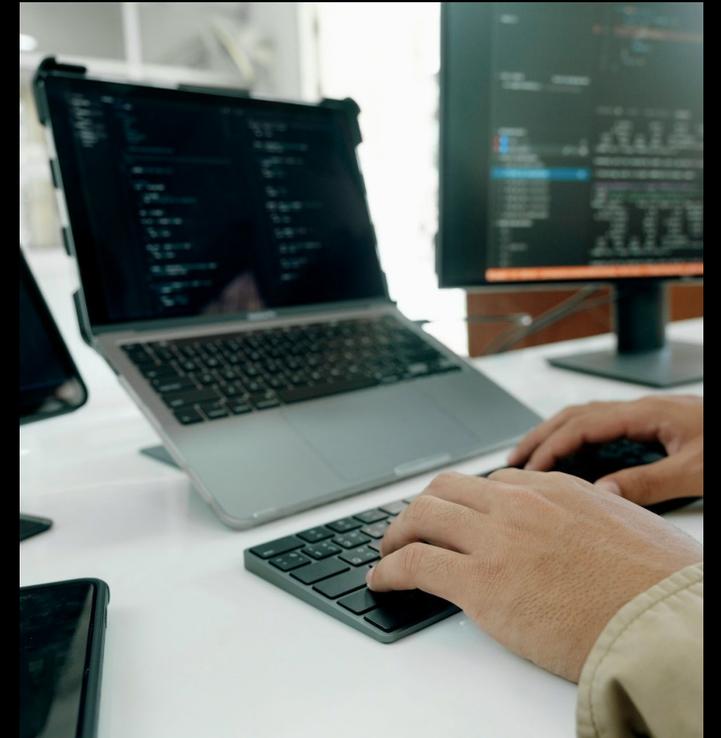


Big Thinking...

In this module, we will consider:

*What is the **impact** of **cybercrime** on those **most at risk**?*

*How can we use **cybersecurity measures** to effectively **protect all online users** as technology develops?*



Module overview

01

Cybersecurity: the low-down

Learn about different types of cyber threat, how these threats can occur and the different techniques we can employ to stop them from happening.

02

Taking cybersecurity to the next level

Debate how cybersecurity can impact people who may be more at risk of attacks.

03

Cybersecurity campaign challenge

Use digital tools to devise an impactful visual campaign that raises awareness of cyberthreats.

04

Presentations and reflections

Module objectives

This module will focus on the following skills:

 Technical skills: using and managing digital devices, platforms and apps

 Human skills: critical-thinking and problem solving



Lesson objectives

By the end of this lesson, you will be able to:



Understand and explain how cyberthreats can impact people who may be more at risk of attacks



Use pen portrait techniques to profile different groups and how they can be affected by cyberthreats



Cybersecurity:
keeping
everyone
protected

Quick cybersecurity learning refresh

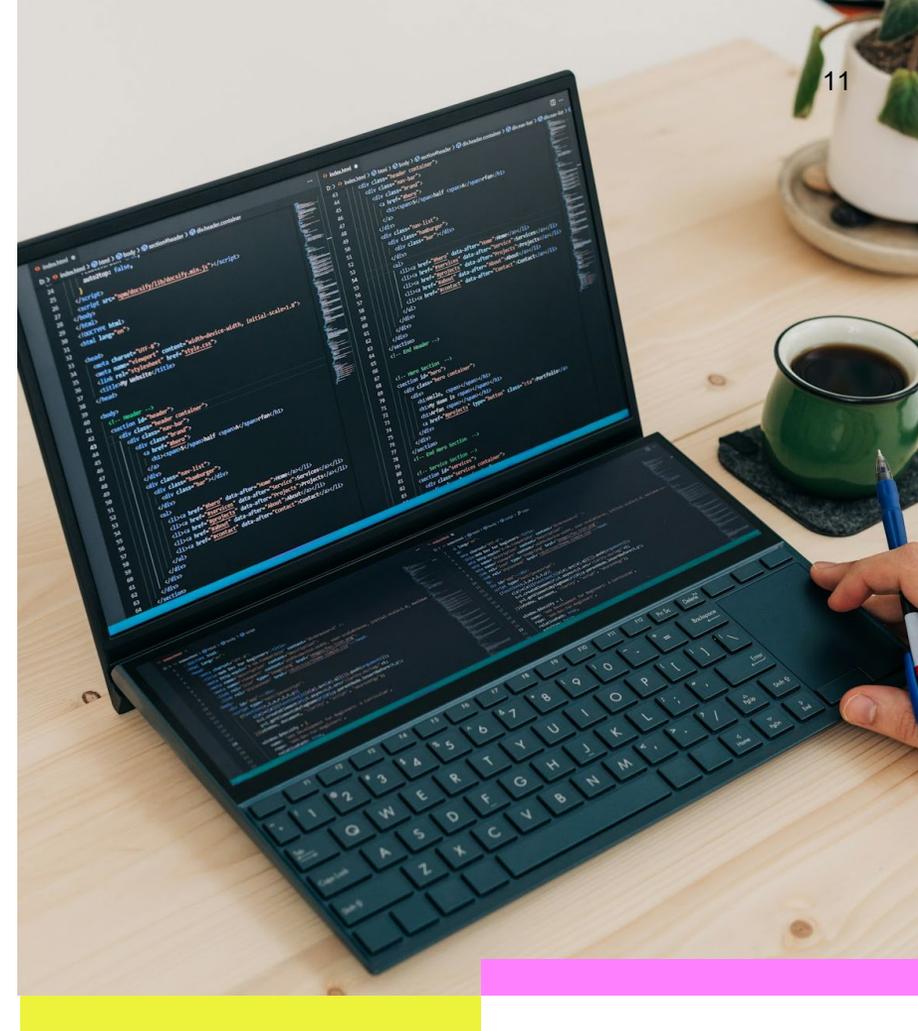
- Name some different types of cyberthreat and how they work.
- What are some human behaviours that can put us at risk from cyberthreats?
- What is a cryptosystem and how does it work?

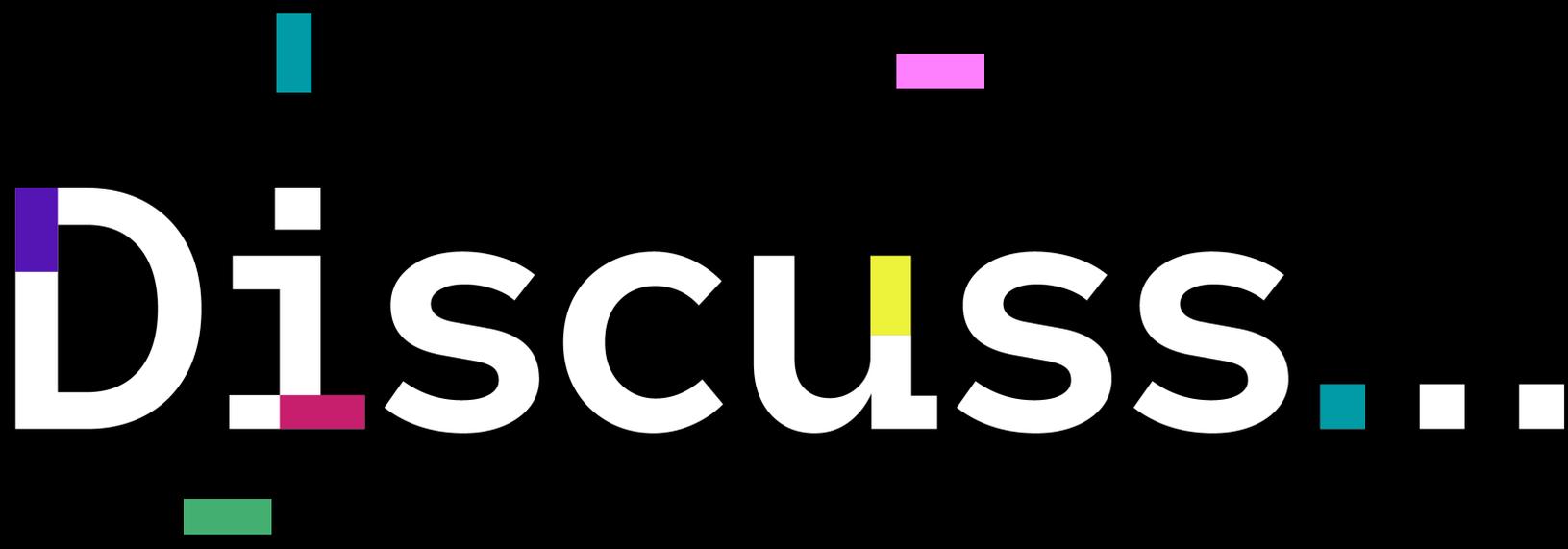
Cyberthreats – who's most at risk?

In teams, match the cyberthreat to the user group that might be especially targeted by cybercriminals:

- People under 25
- People over 75
- People with disabilities
- People with mental health issues or illnesses

A 'user group' is an audience that is considered at risk of cybethreats.

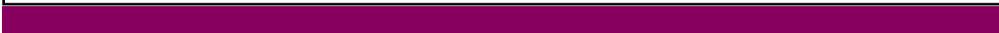




Discuss...

Why might a company become the target for cybercriminals?

Meet a BT Group colleague



Profiling cybersecurity risks

Pen portrait challenge

In your teams, create a **pen portrait** for your assigned user.

A pen portrait is a profile outlining an example individual's background. It's a common technique used when designing a product or service, to show how your idea will help your target audience by meeting their needs.

Your pen portrait should include these points:

- Your user's name, age, information about their lifestyle, any disabilities, illnesses, worries or other issues they have
- Day-to-day challenges they could face in relation to their cybersecurity
- The support they need to keep their data and personal information safe

Reflect...

When creating your pen portrait, what skills did you use to think about the challenges your user may face and how their needs can be met?



Recap



What have you learnt today?

- ✔ Who could be targeted by cybercriminals?
- ✔ What are the benefits of considering different audience needs when it comes to cybersecurity?

In the next session, you'll start work on a campaign to raise awareness of the risks of cybercrime and how different audiences can avoid being scammed.