

OTHM Level-4 Diploma

Diploma in Information and Technology

Cyber Security

Lesson Four

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Today's Lesson



Cyber Security

Cyber Security



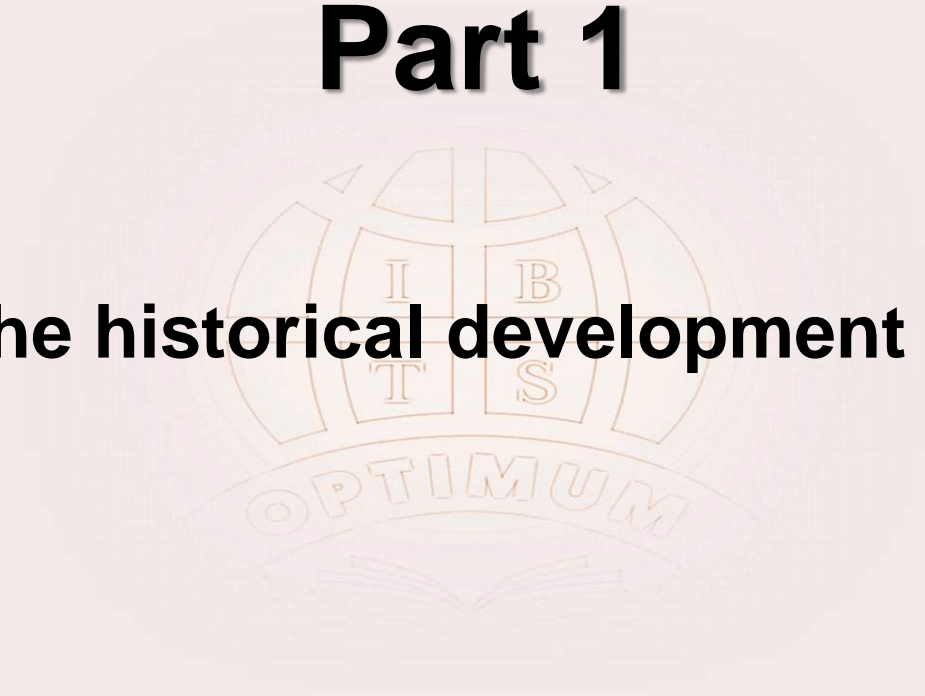
1. Understand the fundamentals of cyber security.
2. Understand cyber security protection methods.
3. Understand how to manage a cyber security attack.

1. “ Understand the fundamentals of cyber security ”

- 1.1 Define the term ‘cyber security’.
- 1.2 Explain how cyber security risks are managed in an organisation.
- 1.3 Describe the laws and regulations associated with cyber security.
- 1.4 Summarise the historical development of cyber security.
- 1.5 Explain the impact cyber security has on individuals and organisations.
- 1.6 Explain how to keep up to date with the latest cyber security information.

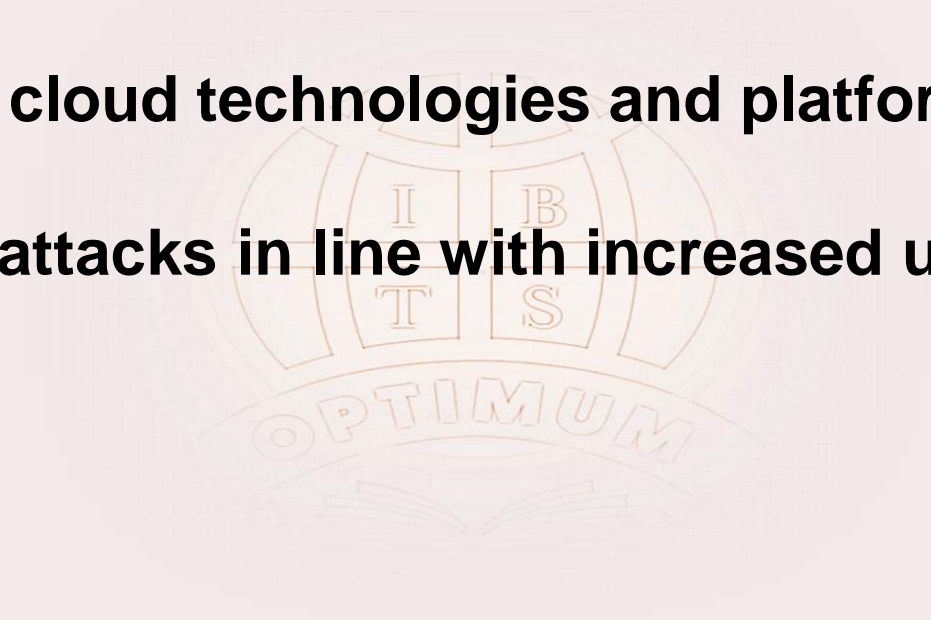
Part 1

1.4 Summarise the historical development of cyber security.

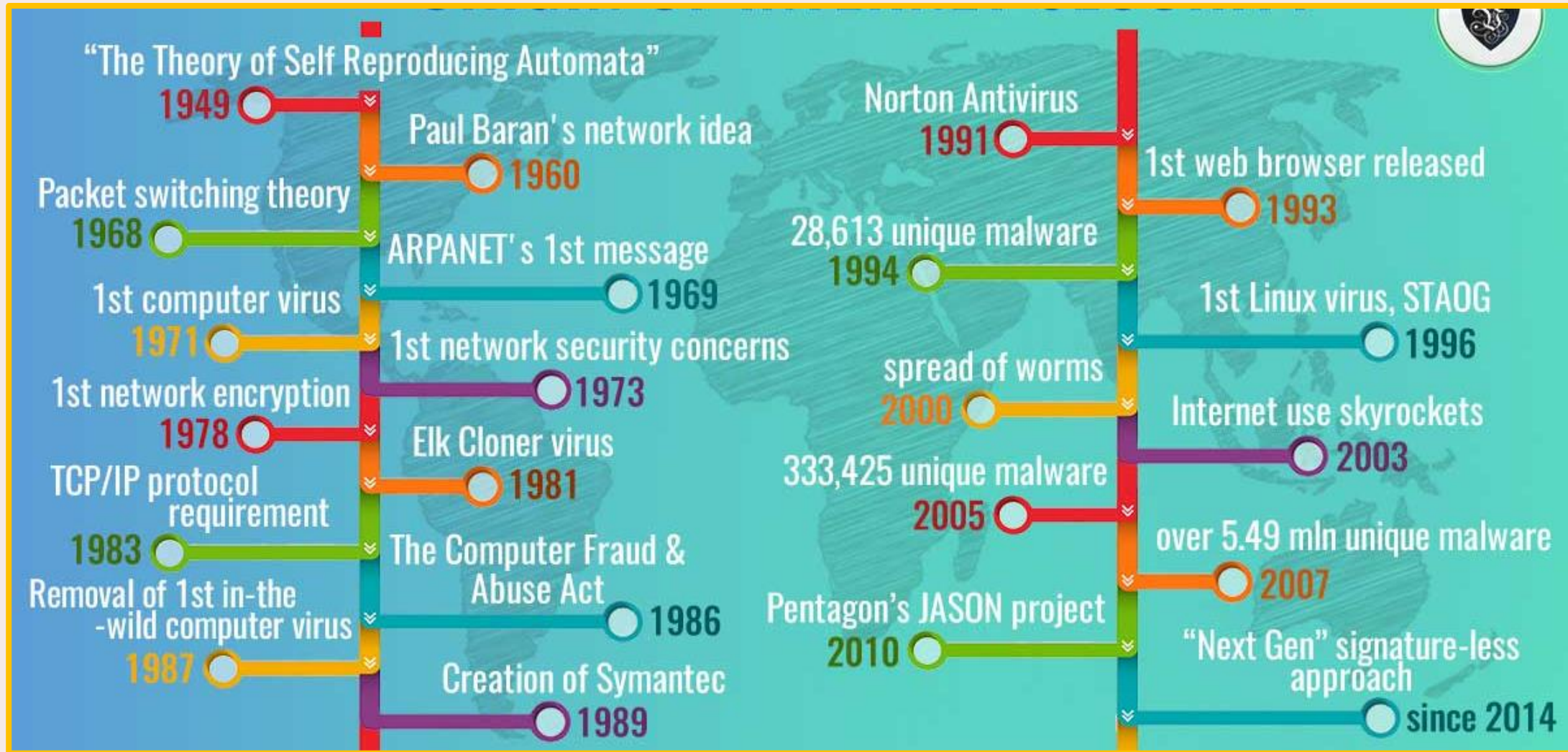


History of Cyber Security

- 1. Increase in use of cloud technologies and platforms**
- 2. Increase of cyber-attacks in line with increased use in digital technologies**



History of Cyber Security



<https://www.le-vpn.com/internet-privacy-cyber-security/>

1. Increase in use of cloud technologies and platforms

- ❑ The digital transformation accelerated by the pandemic means more demand for cloud services.
- ❑ The increased complexity of cloud computing has opened up more security gaps.
- ❑ Traditional cybersecurity has to be supplemented by cloud-native solutions.

Few threats of cloud computing with cybersecurity:

1.1 Lack of Transparency

1.2 The Cybersecurity Threats are Growing

1.3 Vulnerable APIs (Application Programming Interface)

1.4 New Topographies and the Internet of Things

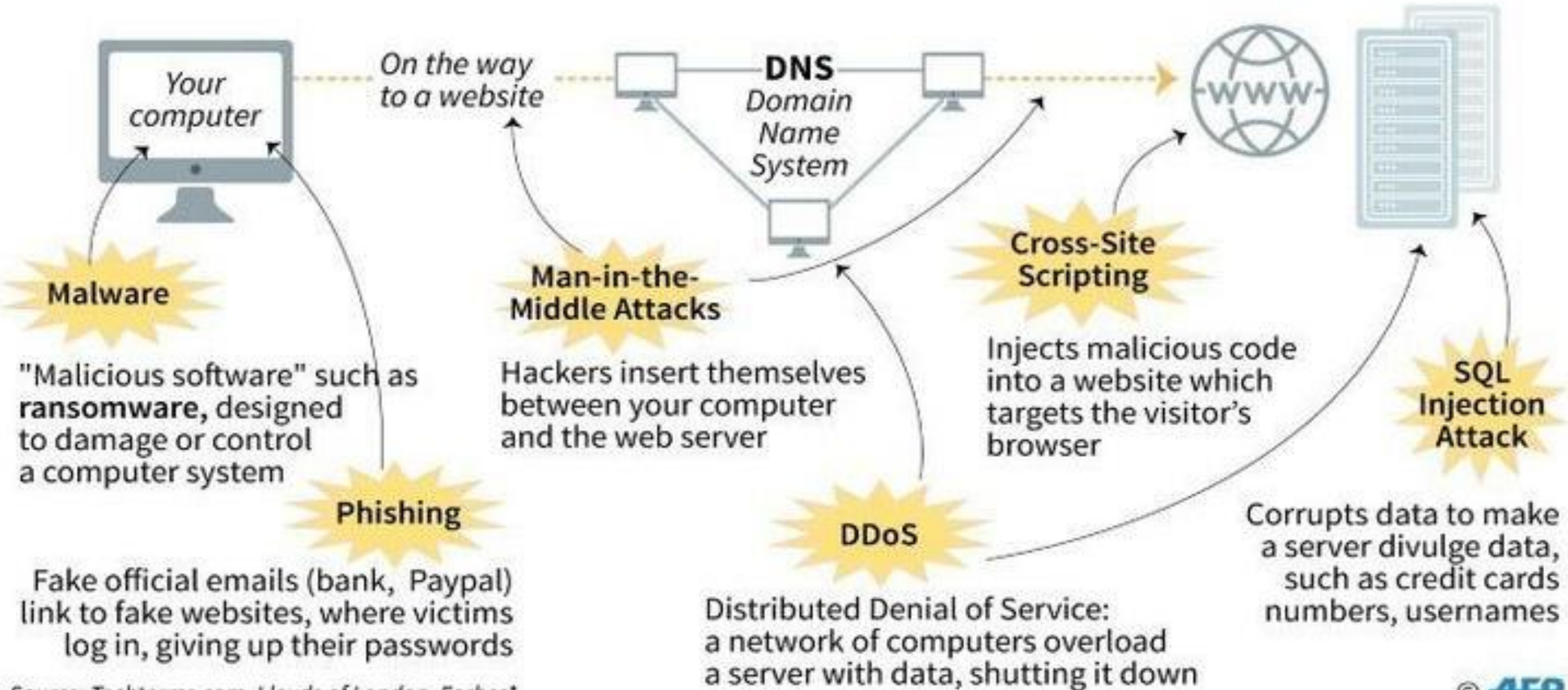
1.5 Always Connected to the Web

2. Increase of cyber-attacks in line with increased use in digital technologies

- ❑ The ever-evolving digital age affects cybersecurity more than most people realize.
- ❑ The rate of cybercrimes has grown exponentially and is consistent with the growth of technology.
- ❑ As technology expands and develops, so do the cybercrimes that are committed.
- ❑ Fortunately, as technology has advanced, so has the ability to seek out cybercrimes before they happen and protect people when they occur.

The different types of cyber attacks

Cyber crime worldwide cost \$400 billion in 2015 and is forecast to reach \$2 trillion in 2019*



Source: Techterms.com, Lloyds of London, Forbes*

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Thank You!



**Lesson Four
Completed!**

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