Technical English

for Computer Science

Week 4

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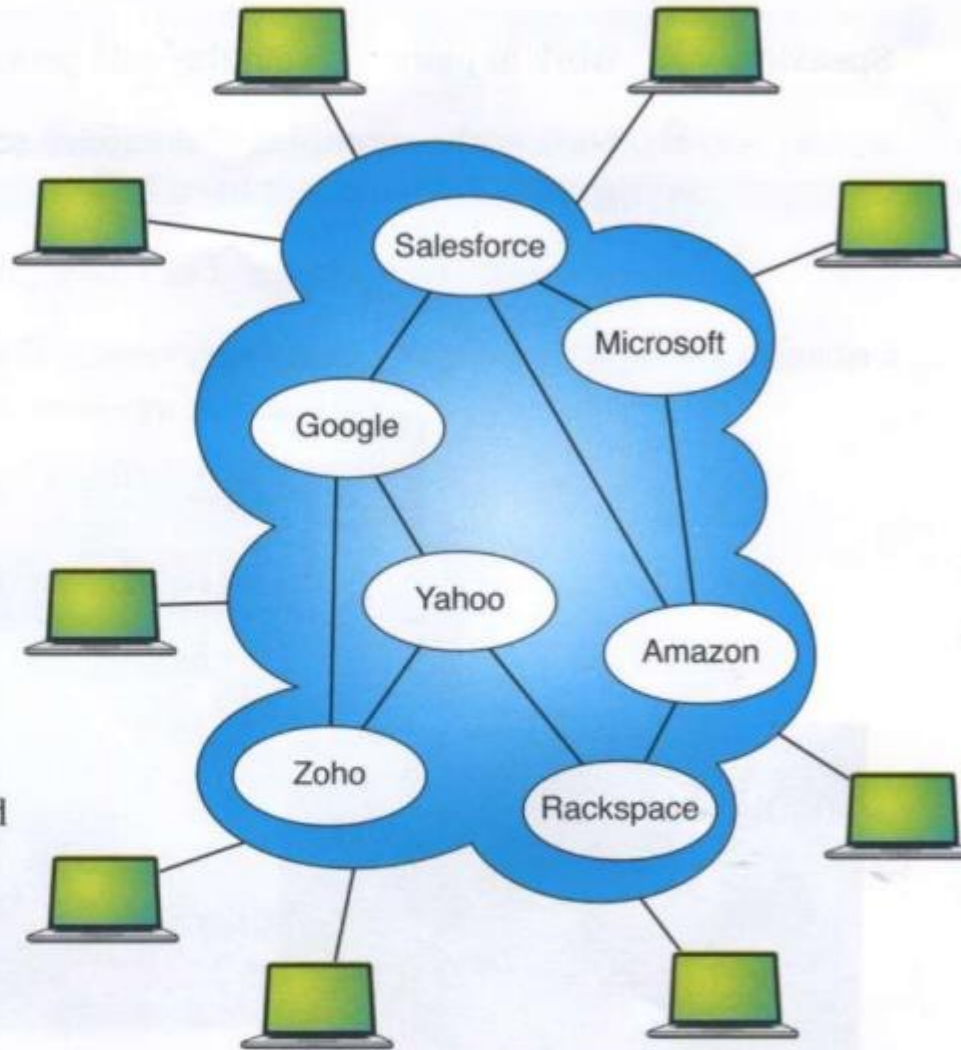
Data storage

Online storage is an (1) _emerging_ method of data storage and back-up. A remote server with a network connection and special software backs up files, folders, or the entire (2) _____ of a hard drive. There are many companies that provide a web-based backup.

One (3) _____ technology in this area is (4) _____ computing. This allows colleagues in an organisation to share resources, software and information over the Internet.

Continuous backup and storage on a remote hard drive eliminates the risk of data (5) _____ as a result of fire, flood or (6) _____ . Remote data storage and back-up providers (7) _____ the data and set up password protection to ensure maximum (8) _____ .

Small businesses and individuals choose to save data in a more traditional way. External drives, disks and (9) _____ tapes are very popular data storage solutions. USB or (10) _____ memories, DVDs and hard disks are cheap and widely accessible solutions. These methods are very practical with small (11) _____ of data storage and backup. However, they are not very reliable and do not (12) _____ the user in case of a disaster.
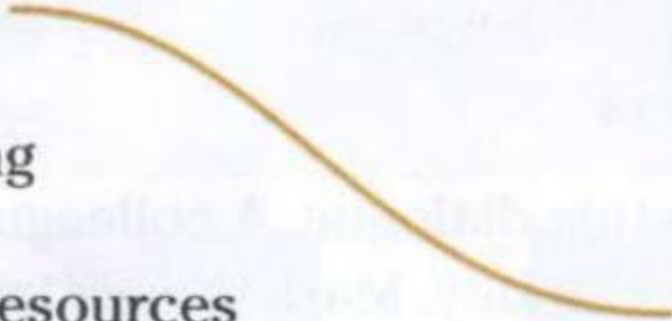
- **Cloud**
- **Contents**
- **Encrypt**
- **Flash**
- **Loss**
- **Magnetic**
- **Offsite**
- **Protect**
- **Security**
- **Theft**
- **Volumes**

28 Listen to this dialogue. A colleague, Tim, is asking an IT expert, Sandy, what storage device to buy. Mark these statements true (T) or false (F).

1　Tim needs the storage device for work.   T / F
2　Tim wants to backup music and photos.   T / F
3　Sandy recommends an external hard drive.   T / F
4　Tim can spend $300 on the storage device.   T / F
5　Sandy recommends a storage device with a special feature.   T / F

Match the company department 1–8 with the type of data it works with a– h.

1 Finance
2 Marketing
3 Human resources
4 Customer relations
5 Production
6 Technical support
7 Sales
8 Stock management

a) data about employees, training, recruitment needs
b) data about product specification, details and design
c) data about profits, tax, loans, shares and cash
d) data about volume of products sold
e) data about customers, satisfaction surveys, promotions
f) data about product advertisements and competitors
g) data about quantity of product in storage
h) information about the Help Desk, support calls, manuals, problem reports

Shayan is telling Monika how customers will pay for something online on a new website. Complete this dialogue with the words in the box.

accounts	bank	completes	confirmation	customer	First
gateway	payment	rejection	web		

Monika: Shayan, can you explain how a customer (1) _____ an online transaction?

Shayan: OK, it's very easy. (2) _____ the customer will place an order. The seller's (3) _____ server will confirm availability of the product and send a response. After that, the customer checks out and completes the (4) _____ instructions. Then the server will send a payment request to a payment (5) _____ . The payment gateway will check the buyer's ability to pay with the (6) _____ . OK?
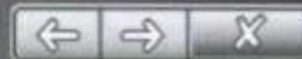
Monika: Fine. Go on.

Shayan: The bank will respond and send payment acceptance or (7) _____ to the seller's web server through the payment gateway. Finally, the customer will receive the server response with the order (8) _____ or rejection.

Monika: Will the (9) _____ have to register?

Shayan: Yes, all buyers must have their (10) _____ before they complete the transaction.

Monika: Thank you. Now I understand.

Dear Agatha

Following our meeting last week, please find my recommendations for your business.
I think you (1) _____ set up a LAN, or Local Area Network, and a WAN, or Wide
Area Network, for your needs. A (2) _____ connects devices over a small area,
for example your apartment and the shop. In addition, you should connect office
(3) _____ , such as the printer, scanner and fax machine, to your LAN because
you can then share these devices between users.

I'd recommend that we connect the LAN to a (4) _____ so you can link to the
Internet and sell your products. In addition, I'd (5) _____ we set up a Virtual
Private Network so that you have a (6) _____ access to your company's LAN,
when you travel.

(7) _____ is a private network that uses a public network, usually the
(8) _____ , to connect remote sites or users together.

Let's meet on Friday to discuss these recommendations.

Best regards

Katharina

- Equipment
- İnternet
- LAN
- VPN
- WAN
- Recommend
- Remote
- Should

Match the words 1–8 to the descriptions a–g.

1   a modem   a) is an entrance to another network
2   a repeater   b) channels incoming data but maintains the
                                         bandwidth speed
3   a bridge   c) allows wireless devices to connect to the network
4   a router   d) modulates and demodulates the data into a
                                         digital or an analog signal
5   a gateway   e) channels incoming data but shares the bandwidth
                                         among the devices present on a network
6   a switch   f) sends the digital signal further on in the network
7   a hub   g) connects networks and sends packages of data
                                         between them
8   a wireless access point   h) connects networks that use the same protocol

about	change	devices	necessary	problem
speed	should	user	What	

Boris: I have a problem with the network download (1) _____ . What can you suggest?

Ahsan: Why don't you (2) _____ the hub?

Boris: I don't think that will work. The hub is fine.

Ahsan: OK. How (3) _____ adding a repeater then?

Boris: Hmm, I'm not sure it will help. It's not a (4) _____ with the signal strength.

Ahsan: OK, then you should check the cables and network (5) _____ to make sure that they are compatible with your network.

Boris: (6) _____ about changing the modem?

Ahsan: I don't think it's (7) _____ . I think it's a problem with the bridge, switch or the router. You (8) _____ look at the specifications.

Boris: OK, I will. Thanks for your help.

Ahsan: Why don't you check (9) _____ recommendations on the Internet as well?

Boris: Good idea. I'll do that.

Listening

- https://www.youtube.com/watch?v=AVpsLauNkBs

- https://www.youtube.com/watch?v=U6ZBa5b5pqA

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Writing

- Write two paragraphs, one listing the benefits the other listing the negative aspects of replacing people with computers.