

1. Modify the following texts so that the statements are true.

Cloud computing is a (centralized / distributed) computing paradigm that focuses on providing a (narrow / wide) range of users with (centralized / distributed) access to scalable, virtualized hardware and/or software infrastructure over (mobile networks / Internet).

Resources in the cloud (are / are not) transparent to the users, and the users (need / do not need) to know their exact location.

If used properly, cloud computing is a technology with great opportunity for businesses of (small / medium / big) size.

The main challenge with cloud computing is (security, including privacy / lack or limited control).

The consumer (can / can not) unilaterally provision computing capabilities (automatically / hand operated).

Most implementations of (scalability / broad network access) are based on adding or removing nodes or servers.

2. Mark the true statements.

- Cloud computing capabilities are available over the network and accessed through different client platforms thanks to the use of standard mechanisms.
- On-demand self-service does not imply a high level of planning.
- There are numerous cloud computing services that are either written entirely in open source code, or at least incorporating open source into the final application.
- Cloud service is an application program that functions in the cloud, with some characteristics of a pure desktop app and some characteristics of a pure Web app.
- The architecture of a cloud solution is the structure of the system, which typically comprises cloud resources, services, network, middleware, and software components, the externally visible properties of those, and the relationships between them.
- Middleware is the software that makes possible the connection between any two clients, servers, databases or even applications.



3. Assign the terms from the left column to the corresponding on the right.

Private cloud	... is a combination of different methods of resource pooling entities.
Public cloud	Built and managed within a single organization.
Community cloud	Allows customers benefit from economies of scale.
Hybrid cloud	Shares computing resources across several organizations.

4. Fill the numbers of correct statements

- 1 – Cloud users need to invest in information technology infrastructure, purchase hardware, or buy software licenses.
- 2 – Cloud computing allows a business to use, access and pay only for what they use, with a fast implementation time.
- 3 – All access to the cloud is done via the internet, introducing latency into every communication between the user and the provider.
- 4 – The amount of control that the user has over the cloud provider and its resources do not greatly vary between providers.
- 5 – Adequate or timely data deletion is always possible in cloud computing
- 6 – The problem of data protection risk for cloud customers increases in cases of multiple transfers of data, e.g., between federated clouds.
- 7 – Cloud services do not require users to have sophisticated computers that can run specialized software.

