EDGE COMPUTING VS CLOUD COMPUTING

DEFINITION

EDGE COMPUTING

A method of optimizing cloud computing systems by processing and calculating data at the edge of the network as it is the closest to the data source.

CLOUD COMPUTING

Cloud computing sends the information to a large Data Center for processing and will return the results at the end-user's device. Cloud services include Apple iCloud, Google Drive and Dropbox.

SPEED

CLOUD COMPUTING

Sends data to the centralised database to be processed. The further away the data, the slower it will be.

EDGE COMPUTING

Stores and processes important information in a small center before sending it to the main center. As a result, the processing speed will be faster.

SECURITY

EDGE COMPUTING

Processes sensitive and important data at the local device without being sent, allowing for better protection of your data.

CLOUD COMPUTING

Hackers can capture data which is being transmitted to the center for processing.

BANDWIDTH

CLOUD COMPUTING

The transmission of huge amounts of data to the main Data Center requires a large bandwidth capacity.

EDGE COMPUTING

Processing information at local small data centers or the device itself lessens the amount of information transferred to the main Data Center. The bandwidth will be reduced.