more data and less intelligence

cloud computing vs. the speed of light

"The agility of cloud computing is great but it simply isn't enough. Measure centralization, economics of scale, self-service, and full automation just up the cost of the way things are. It doesn't overcome massive centralization, economies of scale, self-service, and full automation. Get us most of the way there, but it doesn't overcome it in a data center mile (or many miles) away isn't going to work."


cloud computing vs. the edge

400 milliseconds

Time in which the latest data reach the strike zone

56 milliseconds

Time for data to travel from New York to San Francisco via optic cable

1 millisecond

Typical camera flash

400-100 milliseconds

Time typically lost in congested first- and last-mile connections

edge computing's speed and agility promise

- **Cloud**:
  - Low-latency data exchange
  - Autonomous decision-making
  - Integration (eg., IoT)
- **Edge**
  - Fastest processing power
  - Best security
  - Predictable performance
- **IoT**
- Sensors
- Smart devices
- Smartphones
- Controllers
- **Thermal**
- Temperature-sensitive components

getting the edge with edge computing

- Improved responsiveness and reliability
- Reduced bandwidth costs
- Enhanced security
- Less risk of system failure

Around 10% of enterprise-generated data is created and processed outside a traditional centralized data center or cloud.

By 2020, Gartner predicts this figure will reach 75%.

Get data from intelligence faster with Lenovo

Connect with Lenovo. Our ThinkEdge devices are powered by X100e and X300e, which boast the same level of performance as cloud computing with faster processing power, better security, and scalability. When you need to get to work, contact your Lenovo Account Representative or local Business Partner.

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