EDGE Systems

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EDGE Systems

**Data volumes are growing – and IT infrastructure need to grow with them
Generated Facts:**

Over the next few years, data volumes are set to explode: Recent studies suggest that the volume of data generated globally will increase from 33 zettabytes (33 billion terrabytes) currently to 175 zettabytes by 2025.

Analysts have identified the Internet of Things (IoT) as the driving force behind this development.

It can significantly reduce storage and transmission costs, because large volumes of data can be pre-processed by local edge computing solutions, and only relevant data is subsequently transmitted to a cloud or IT infrastructure.

An edge data center closes the gap between conventional local data processing and cloud-based data processing, and guarantees minimal latency plus maximum reliability and protection.
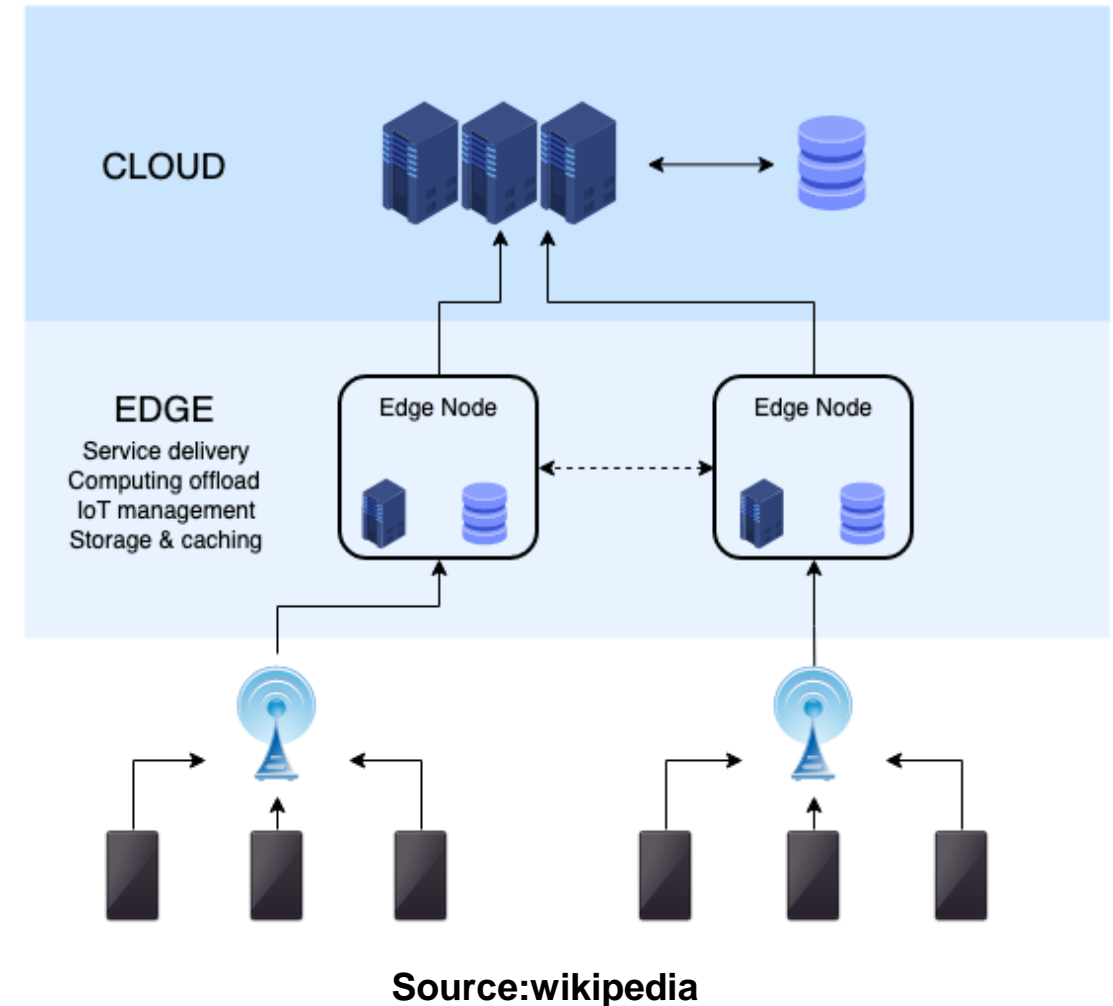
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What is EDGE and why is needed

What is:

1. **Small rack with cooling and security and up to 2-3 rack solution with same principles**

2. **Comes to fil the gap between cloud and clients with lower latency and high demand of instant trafic loads**

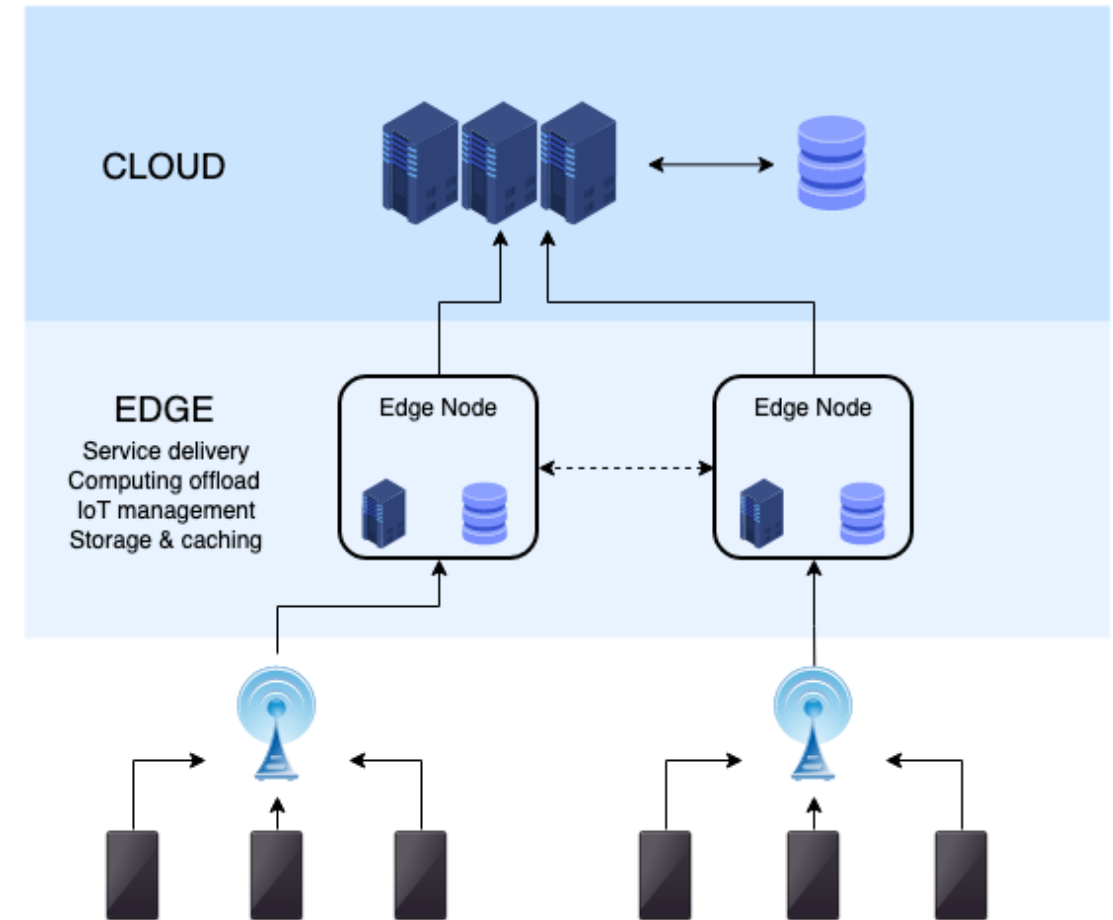3. **Caching files like map data, payments and streaming near the load in comparison to cloud solutions**

CLOUD

EDGE
Service delivery
Computing offload
IoT management
Storage & caching

Edge Node

Edge Node

Source:wikipedia

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What is EDGE and why is needed

Why is needed:

1. Increased number of IoT devices

2. Autonomous drive

3. Mobile devices

4. Large cashing systems

5. Industrial uses due to industry 4.0 devices

6. Faster connectivity demands

Source:wikipedia

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System futures and variations

1. Rack for 24U up to 2-3X42U depending on connected nodes

2. Cooling system from 2kW up to 55KW N+N or even more

3. Fire exstiguishing system

4. Access security

4. Enviromental and remote monitoring

5. IP55 protection

6. System can be placed almost anywhere (rearby the data load)

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Typical example of 2 rack system with cooling up to 55kW etc for harware vendor

EDGE Systems

EDGE can also be used for small DC and security rooms capable to be moved anytime-anywhere and multiplied according to customer needs (multi-rack example)

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EDGE can also be used for small DC and security rooms capable to be moved anytime-anywhere and multiplied according to customer needs (single rack example)