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Terms:

Content datacenters

Consolidation

Server load-dependent latency

Saving energy

Response time inflation

Performance impact

SLAs affecting

Load balancing

Network routing

CDC operators

Cluster manager

Energy optimization

Energy-performance tradeoffs

Jointly optimizes

Zipfian content workloads

Latency

Queuing delay

Skewness in content popularity

Utilization

Load

Joint optimization of server and network consolidation

Independent optimization of server and network consolidation

Global load balancing

Switch

Power-proportional

Energy use

Electricity costs

Server power

Switch power