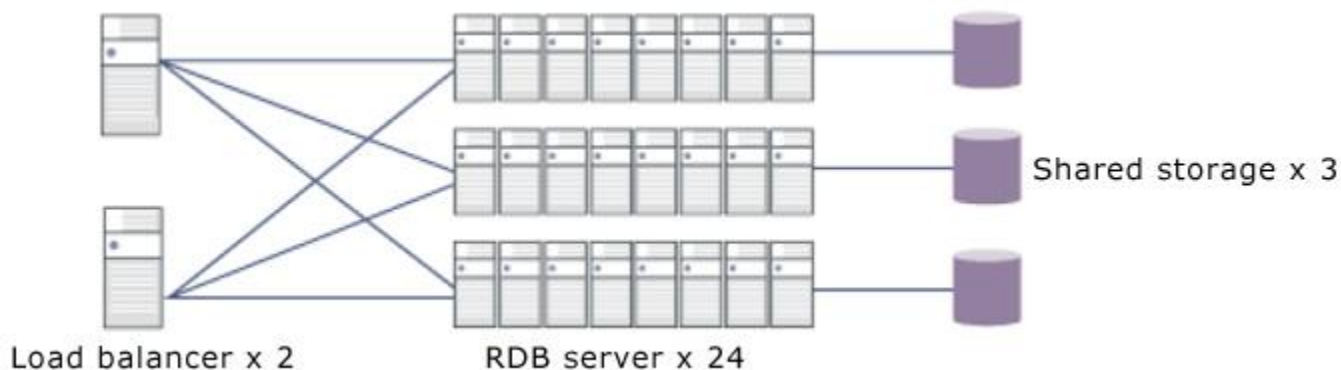# Database software InfoFrame Elastic Relational Store

InfoFrame Elastic Relational Store:

Environmental Impact Assessment Model
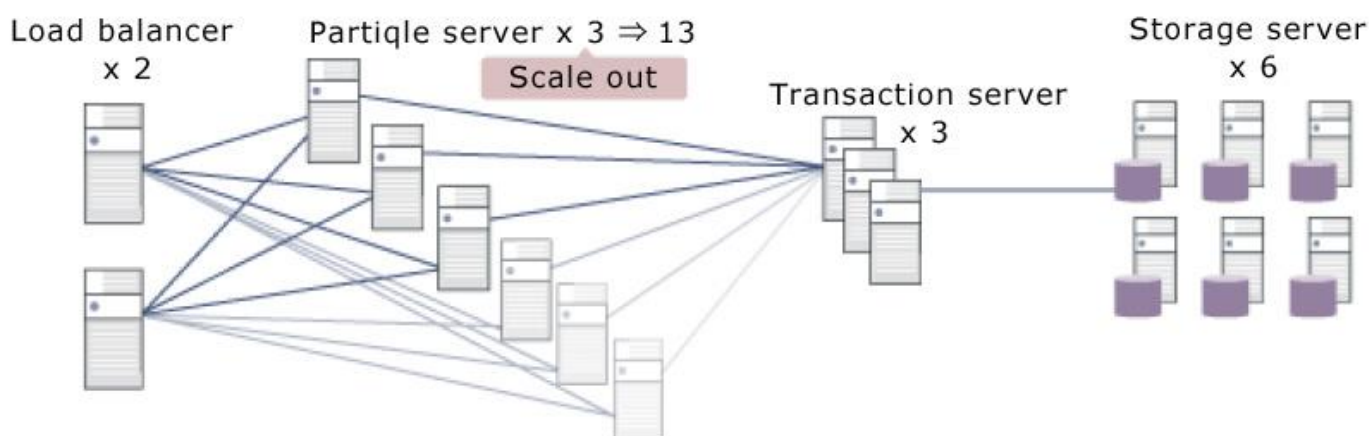
■ Before adopting IERS (regular RDB used)

Scale-out was difficult, requiring systems to be build assuming peak-capacity performance.

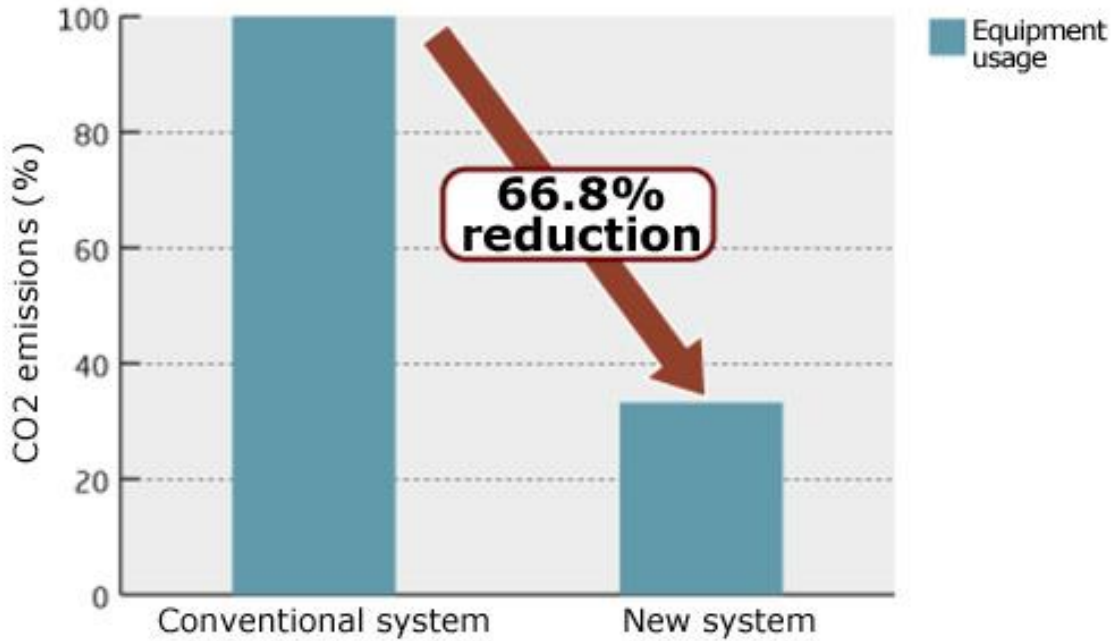Load balancer x 2   RDB server x 24   Shared storage x 3

■ After adopting IERS

Elastic scale-out enables servers to be scaled out only when access is concentrated. Storage servers store data in triplicate, eliminating the need for expensive shared storage.

Load balancer x 2   Partiqle server x 3 ⇒ 13   Scale out   Transaction server x 3   Storage server x 6

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InfoFrame Elastic Relational Store:

Environmental Impact Assessment Model

CO_2 emissions through equipment usage can be reduced by 66.8%

*Server and storage power consumption is based on the following models:
Express5800/B120e 281 W (DC) NEC Storage D8-30 SATA) 1750 W (DC)

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