Standardizing the Hyperscale Data Center

Intel® Rack Scale Design is a reference architecture for composable, disaggregated infrastructure based on industry standards.

Today’s Data Center

- **40%** YEARLY GROWTH
- **45%** CAPACITY DEMAND
- **50%** EFFICIENCY
- **35 PEOPLE HOURS PER RACK UPDATE**

Disaggregated

Buy only what you need, when you need it

Interoperable

Choose the best hardware without vendor lock-in

Composable

Compose on the fly for specific workloads

InfiniBand
Ethernet
Flash Memory
Drive
CPU
GPU

Buy Less Up Front

Potential resource savings from disaggregated vs. direct attach flash storage at the same throughput level

Save Money Over Time

Potential refresh savings from better component lifecycle management made possible by disaggregation

INCREASE AGILITY

DECREASE COST

Buy Less Up Front

Potential resource savings from disaggregated vs. direct attach flash storage at the same throughput level

Save Money Over Time

Potential refresh savings from better component lifecycle management made possible by disaggregation

Contact your OEM or Intel representative today to evaluate Intel® Rack Scale Design.

3. Flash Storage Disaggregation study, Stanford University, Klimovic, Kozyrakis, et al.
4. Internal Intel IT study of disaggregated rack design based on 3U chassis with 14 blades comparing out-of-cycle refresh of CPU and Memory vs. full hardware acquisition. All rights reserved. Intel, the Intel logo, Xeon, Optane, and Intel inside are trademarks of Intel Corporation in the U.S. and/or other countries.
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