

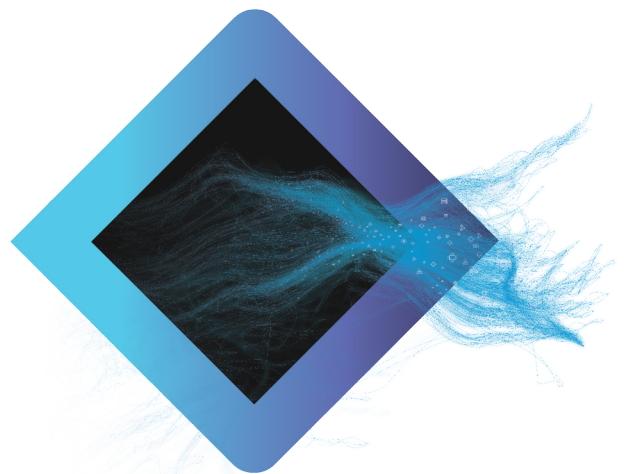
# Liquid Composable High-Memory Appliance

Liquid Powered Dell 740xd based platform delivers an all-solid-state high-memory solution with up to 12 TB of Intel® Optane™ memory and 184TB of NVMe storage, enabling in-memory calculations for extremely large datasets

## *Unparalleled Scale for SAP HANA, Apache Spark, Oracle TimesTen+*

As in-memory databases have become more common across enterprise, academic, government, and other data-intensive use cases, DRAM costs and the physical limitations of the media have hampered deployment of these powerful applications. Composable Disaggregated Infrastructure (CDI) solutions from Liquid enable IT users to significantly increase data agility, capacity, and bandwidth for in-memory instances of SAP HANA, Apache Spark, Aerospike DBS, Oracle TimesTen, and other applications for which lightning-fast, adaptive data manipulation is necessary.

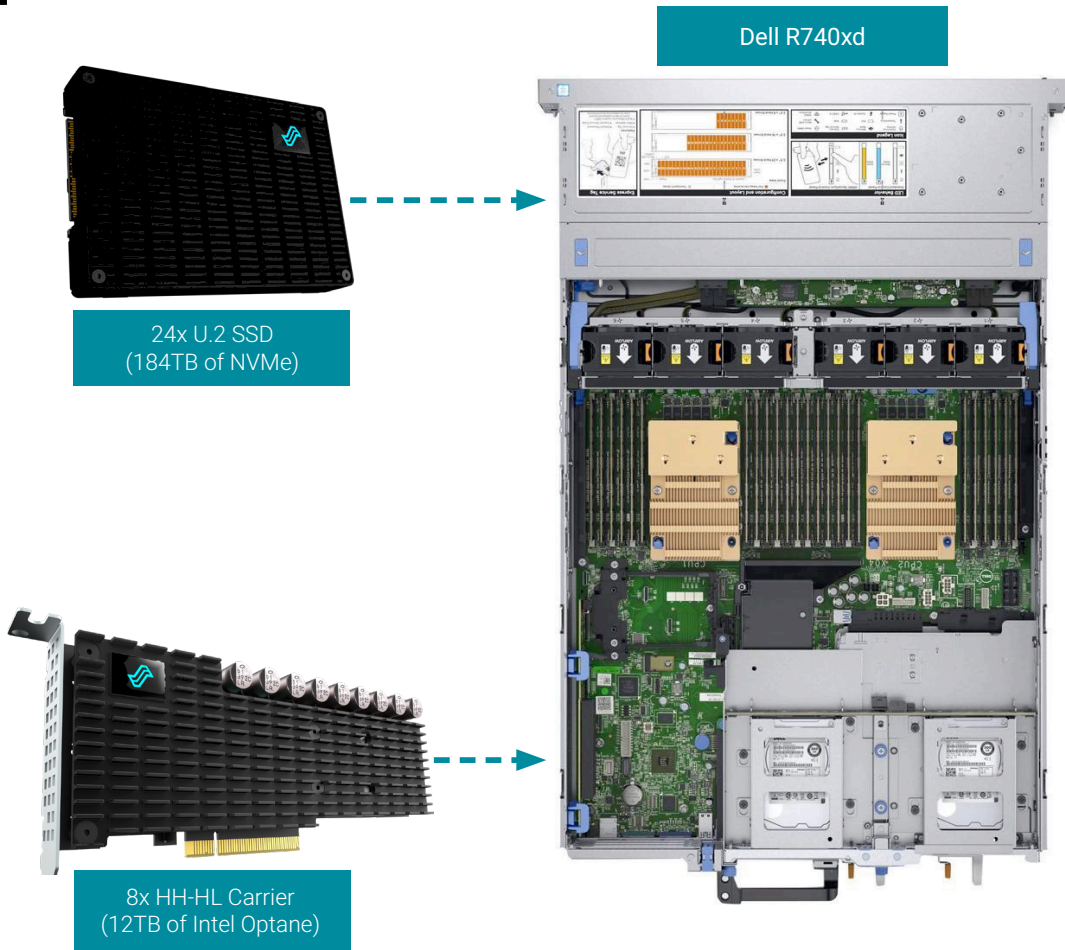
Through the power of storage disaggregation, the Liquid High-Memory Appliance delivers up to 12 TB of Intel® Optane™ memory and 184TB of NVMe storage, enabling in-memory calculations at unprecedented scale to accommodate extremely large datasets in a single Dell R740xd 2U dual-socket node.



By leveraging the Liquid High-Memory Appliance in conjunction with Liquid Grid Fabric technology, users can also leverage pools of disaggregated GPUs and other physical resources to create balanced servers that can adapt on demand, based on user activity. Liquid Composable Disaggregated Infrastructure is optimized for the most taxing databases and other memoryintensive applications.

### Liquid Composable High-Memory Appliance

R740 IMDB Platform	75% Smaller Foot Print
Up to 12TB of Intel Optane	2-4x Higher Performance
Up to 184TB of NVMe	High-density Storage Solution
Up to 3TB of DRAM	Validated SAP, Oracle, others
2RU Dell R740xd Server	Dell OEM Solution Bundle



## Liquid Composable High-Memory LQD8350 Appliance

Software	Oracle TimesTen, SAP Hana, Spark, others
Platform	Dell R740 with Dual CPU & Intel® Optane™
CPU	Up to Dual 3.6 GHz Intel Xeon CPUs
Architecture	Data Base Memory Appliance
DRAM Capacity	Up to 3TB of DDR
Memory Capacity	6TB   9TB   12TB of Intel® Optane™
Storage Capacity	46TB   92TB   184TB of U.2 NVMe SSD
Drives Per Node	24x Total NVMe Drives Per Chassis
Optane Drives	8x Intel® Optane™ up to 1.5TB Per Drive
Form Factor	Dell 2RU R740xd Rack Mounted Server
GPU Expansion	Up to 8x GPU over PCIe Expansion Fabric



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