Liqid Powered GPU composability delivers unprecedented rack-scale agility, marking the next evolution in bare-metal data center architecture. Liqid Composable allows users to manage, scale out, and configure physical bare-metal servers in seconds. Liqid Command Center software, delivered with the Liqid Grid PCIe switching fabric, enables true disaggregation of industry standard server components.

The Liqid Powered GPU Composable Rack enables multiple graphics processing (GPU) elements to be deployed natively across PCI-Express (PCIe) and dynamically allocated to any Compute Node instantly. GPU-to-CPU resource assignments can be configured and reconfigured through policy-based automation in real time, as infrastructure needs change.

**Liqid Powered GPU Composable 1/2 Rack (Max Configuration)**

**Compute**
- 12x Compute Nodes
- Dual Intel Xeon Scalable Processors
- 768 GB DRAM per Node

**Storage**
- 72x U.2 Solid-State Drives (SSD), 6.4 TB per SSD
- 460 TB of Aggregate Capacity
- 6x SSD per Node

**Networking**
- 24x Network Adapters (NIC), Dual 100 Gb per NIC

**Graphics**
- 24x Graphics Processing Units (GPU)
- Supports FHFL Double-wide GPU Elements
- Dynamically Assign up to 16x GPUs per Node

**Composable Fabric**
- Liqid Grid (Managed PCIe Gen 3.0 Switching Fabric)
- Liqid Command Center (Software)

**Top-of-Rack Networking**
- Mellanox 100/200 Gb Ethernet

**Control Plane**
- 48-port 10 Gb / 1 Gb Ethernet

**Mini-SAS HD Cables**
- Gen 3.0 (Passive or Active Copper, Active Optics)

**Power**
- Up to 12Kw

**Form Factor**
- 24 Rack Units (RU)
Expansion Chassis
PCle-connected GPU expansion chassis that holds 4x double-wide GPU elements in a 2 RU chassis. Flexible topology design supporting multiple GPU types.

Liqid Grid
The ultra-low latency, intelligent, and managed switching fabric that electrically interconnects pools of disaggregated system elements.

Compute Elements (Nodes)
Dual processor Intel Xeon Scalable compute elements with 16x DDR4 DIMMs per node. Includes up to 6x SSDs and 1x OCP NIC per node. Four nodes per 2 RU chassis.

The Liqid Powered GPU Composable Rack allows multiple GPU elements to be dynamically and instantly allocated to any bare-metal server in seconds. GPU resources can be configured and reconfigured on demand as workflow requirements demand. Liqid unleashes the power of GPU scaling to enable the highest levels of resource utilization.

Liqid Command Center (Software)
Extensible composable infrastructure management software that automates, orchestrates, and dynamically composes bare-metal machines from pools of disaggregated bare-metal elements.