



YOUR CONNECTION TO  
HETEROGENOUS COMPUTING

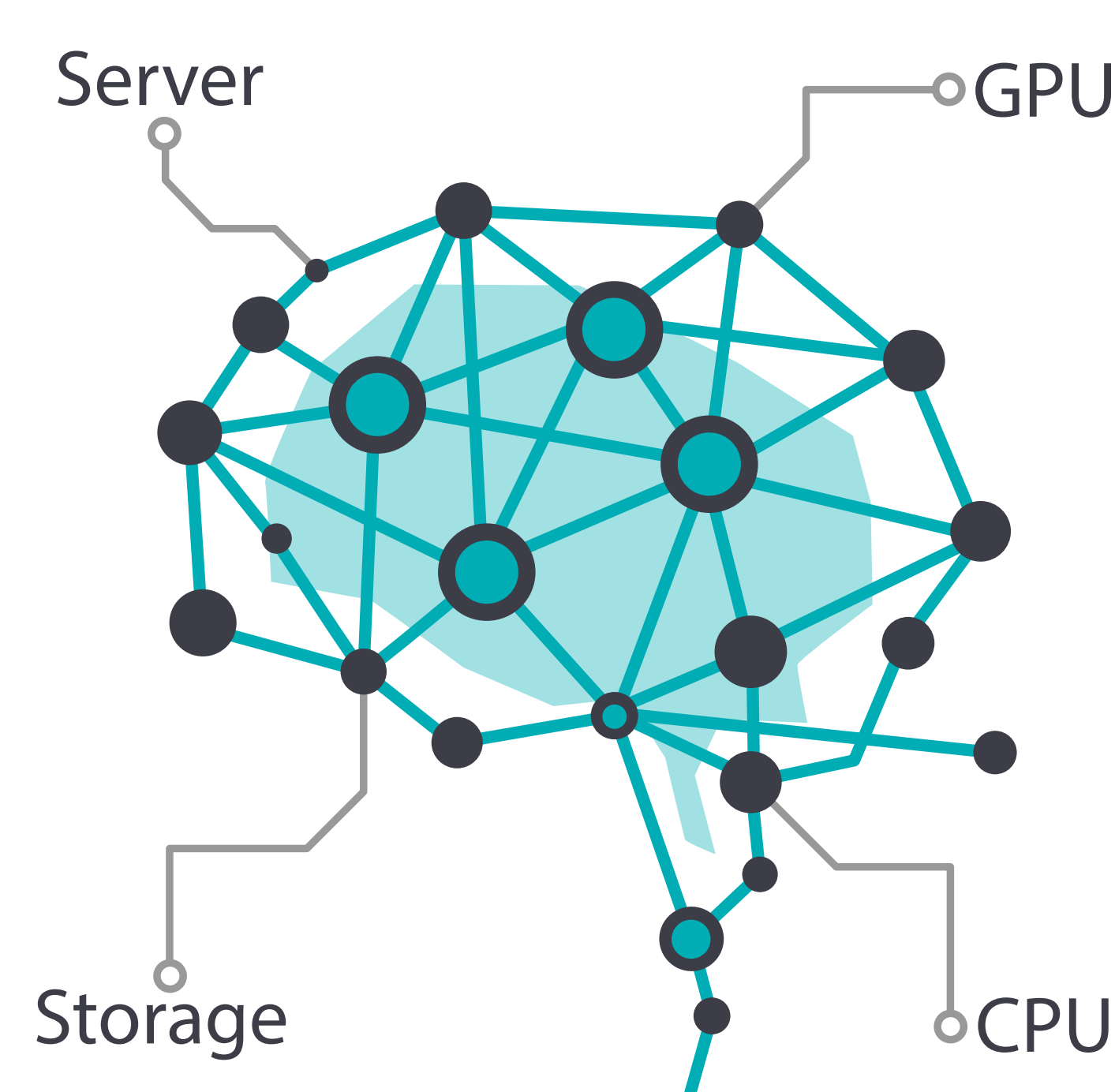
**Gen-Z's** open, fabric-based architecture makes it possible to architect data centers that expand memory and compute resources to exceed the needs of today's data and compute complexity.

## HIGH PERFORMANCE

SIMPLE READ-WRITE LANGUAGE ENABLES HIGH-BANDWIDTH AND LOW LATENCY, REMOVING SYSTEM BOTTLENECKS SINCE ALL COMPONENTS CAN NOW ACT AS PEERS.

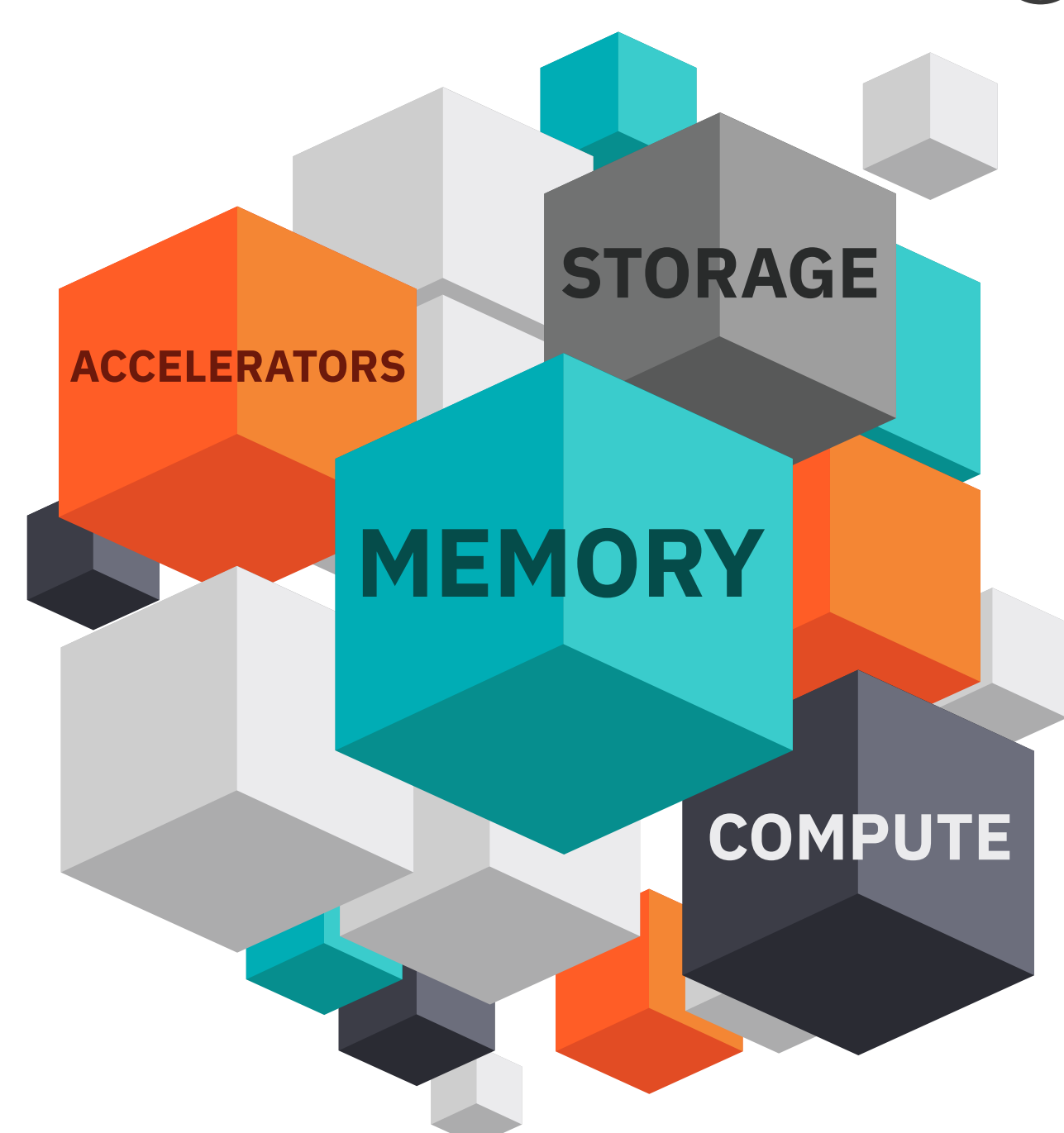
## MEMORY-CENTRIC

GEN-Z ELIMINATES STRANDED RESOURCES BY ALLOWING MULTIPLE PROCESSING RESOURCES TO SHARE A POOL OF MEMORY, MINIMIZING THE MOVEMENT OF DATA.



## DISAGGREGATED ARCHITECTURE

RESOURCES CAN BE DEPLOYED AND REPLACED SEPARATELY FROM THE SERVERS. DISAGGREGATION ALSO IMPROVES MANAGEMENT OF POWER AND COOLING.



## SECURE PROTOCOL

COMPONENT AUTHENTICATION, SECURE PARTITIONING AND ENCRYPTION PREVENT MALICIOUS RESOURCES FROM SPREADING THROUGHOUT THE SYSTEM.



## COMPATIBILITY

STANDARDIZED INTERCONNECT TECHNOLOGY FACILITATES A COMMON, PLUG AND PLAY APPROACH TO FORM FACTORS, POWER DENSITY AND SCALE.



## MEMORY FABRIC

GEN-Z'S OPEN FABRIC-BASED ARCHITECTURE ALLOWS EASY ALLOCATION, PROVISIONING AND MANAGEMENT OF RESOURCES AND UTILIZES STANDARDIZED PACKETS AND TRANSPORT PROTOCOLS FOR ENHANCED SECURITY.

