Our architecture uses distributed computing technology to achieve highly reliable systems on cost-effective low-end servers. Dynamic resource allocation enables each system’s capacity to be optimized in accordance with traffic changes. Applying the architecture to multiple systems composing a network will make it possible to significantly reduce capital expenditures and operating expenses.

**Features**

- Feature #1: Resource sharing among multiple network elements
- Feature #2: Capacity flexibility achieved with dynamic addition/removal of servers in accordance with traffic changes
- Feature #3: Improved facility utilization by using active/active architecture rather than active/standby architecture
- Feature #4: Enhanced tolerance to network congestion by balancing loads among distributed servers
- Feature #5: Fault-tolerance achieved with synchronous replication of processing status between servers
- Feature #6: Enhanced tolerance to disasters by allocating servers geographically

**Application Scenarios**

- Applicable to multiple systems with varying service usage
- Applicable to real-time, highly reliable systems such as telecommunication network systems

**NTT Group Global Advantage**

NTT is researching and developing a large-scale distributed architecture for real-time systems such as telecommunication network systems while using low-end servers to ensure high reliability.

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