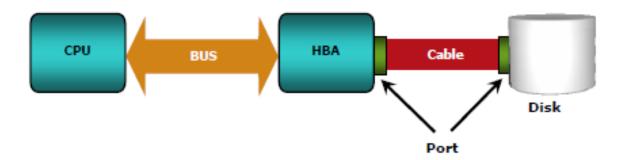


SAN & STORAGE



Connectivity

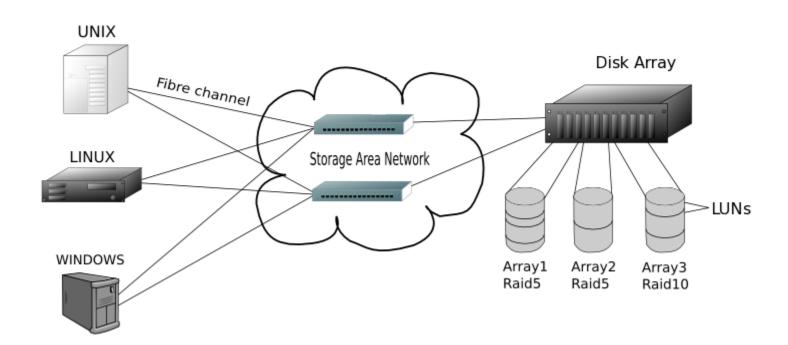
- Interconnection between hosts or between a host and any storage devices
- Physical Components of Connectivity are:
 - > Bus, port and cable





Connectivity

Storage Area Network



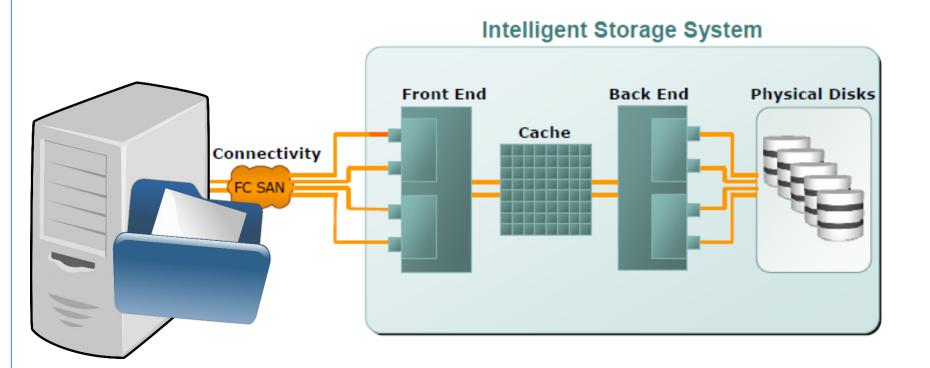


What is an Intelligent Storage System

- Highly optimized for I/O processing
- Have large amounts of cache for improving I/O performance
- Have operating environments that provide:
 - Intelligence for managing cache
 - Array resource allocation
 - Connectivity for heterogeneous hosts
 - Advanced array based local and remote replication options

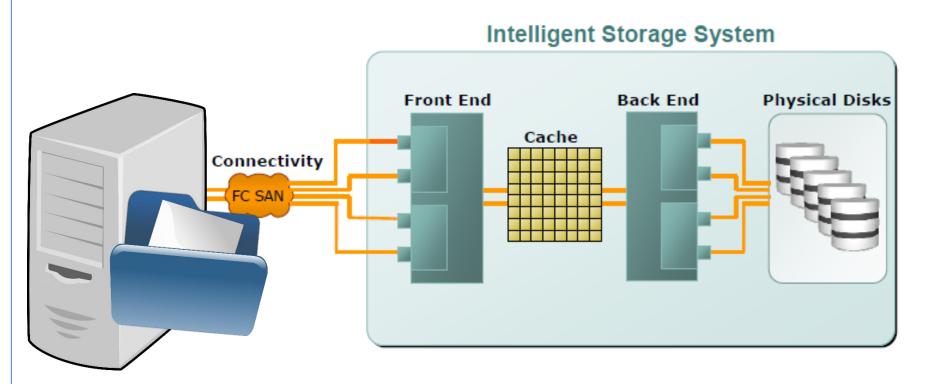


Components of an Intelligent Storage System



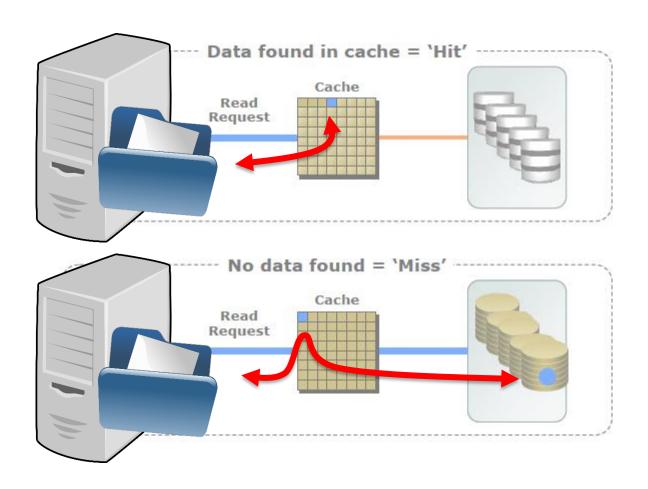


Intelligent Storage System: Cache





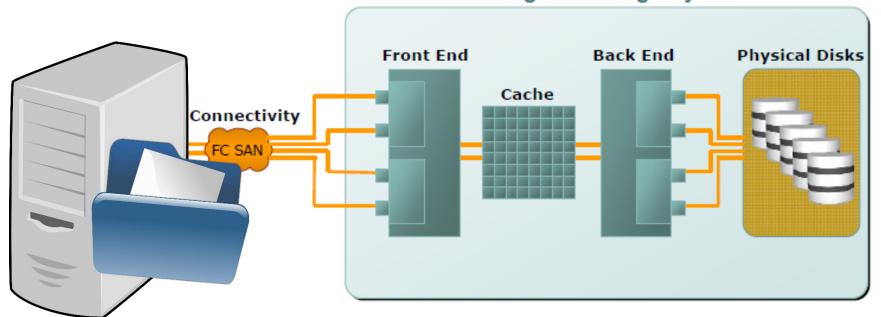
Read Operation With Cache: "Hits" and "Misses"





Intelligent Storage System: Physical Disk

Intelligent Storage System





Disk Drive Performance

- Disk Service Time
 - Time taken by a disk to complete an I/O request is sum of:
 - ✓ Seek Time
 - ✓ Rotational Latency
 - ✓ Data Transfer Rate



