

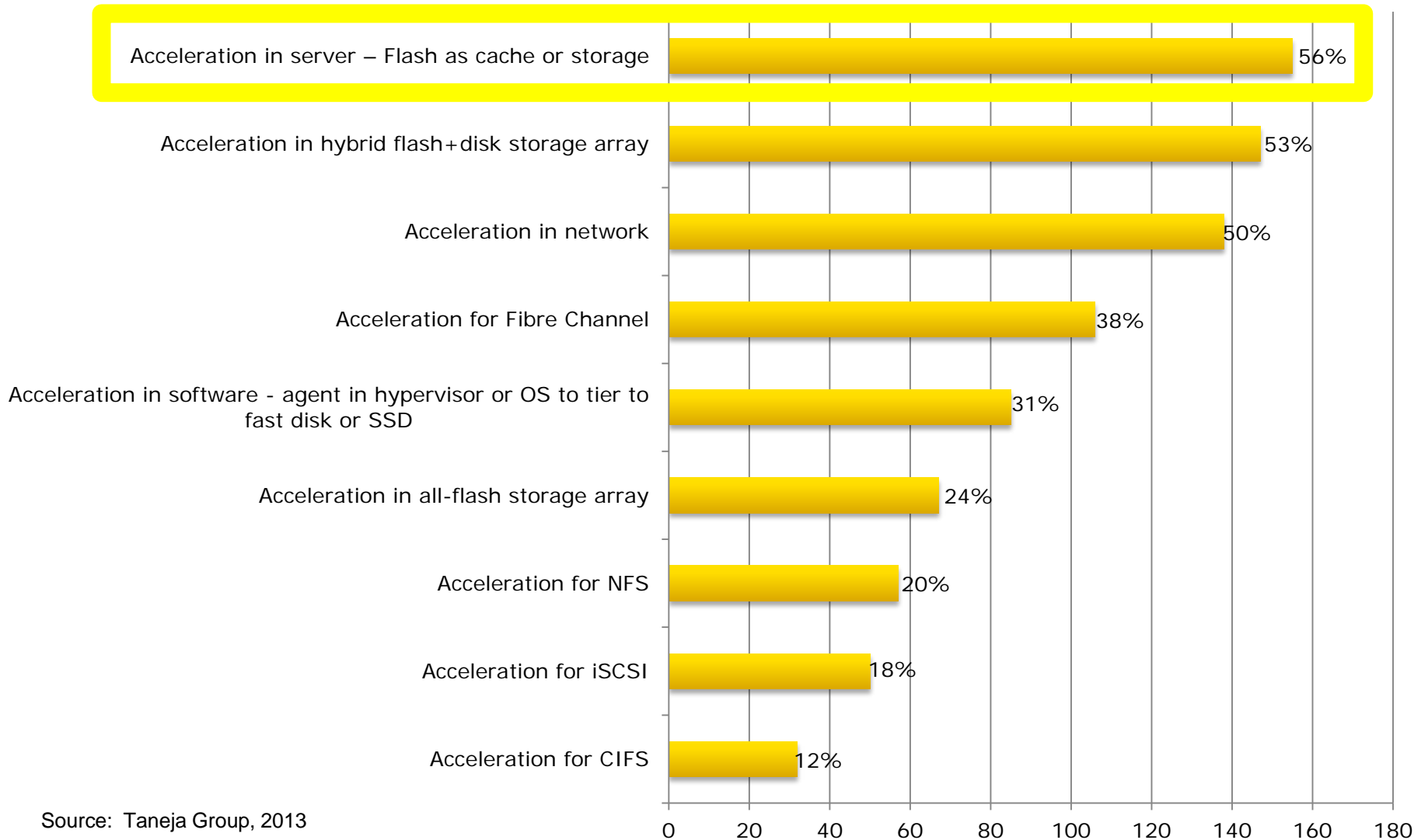


Enterprise Application Software Acceleration Requirements

“Making Your Software Get the Most
out of Flash Memory” Panel

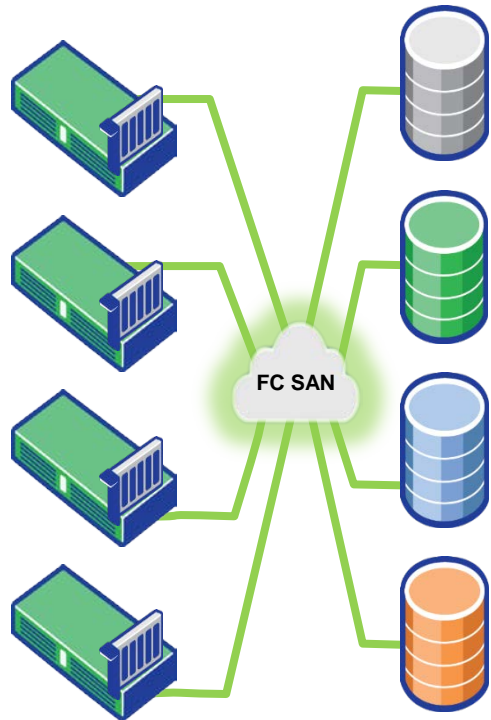
Cameron T Brett
QLogic Corporation

Valued Acceleration Approaches



Simple: Server to SAN Caching

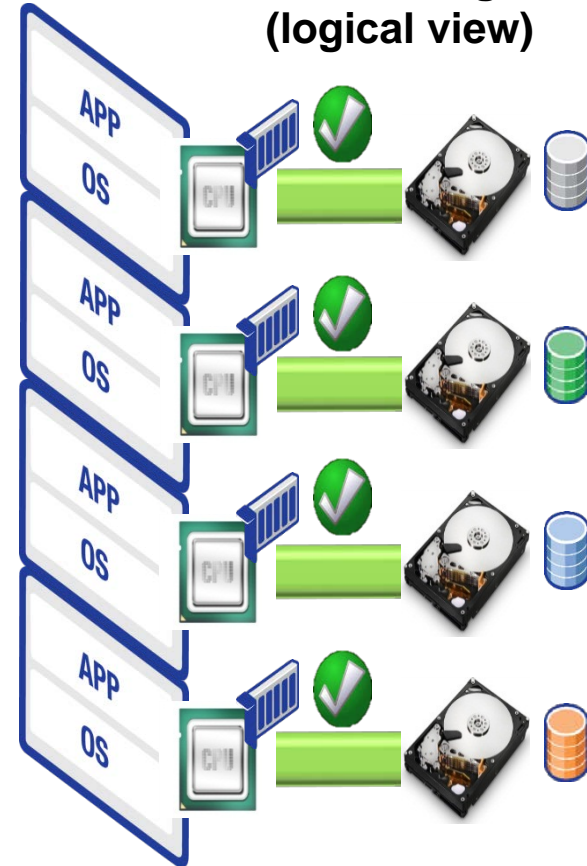
Compute to Disk Connection
(physical view)



Array resources
are shared

LUNs are not
shared

Workload to Storage Binding
(logical view)



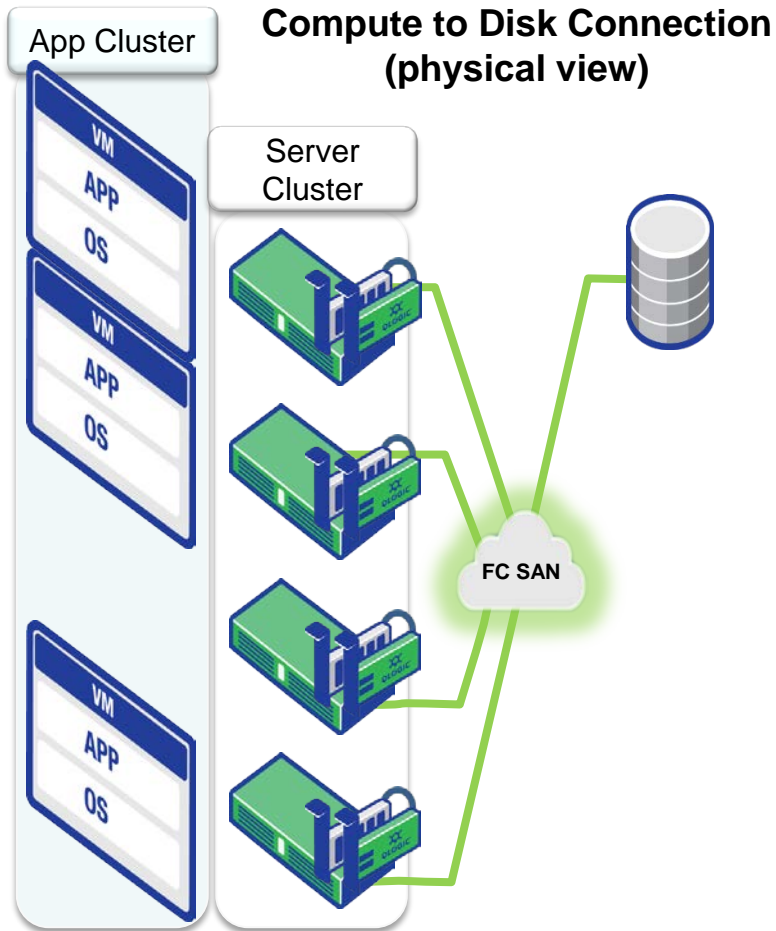
SAN enables sharing of storage resources

- Centralized provisioning and management
- Simple workload / configurations

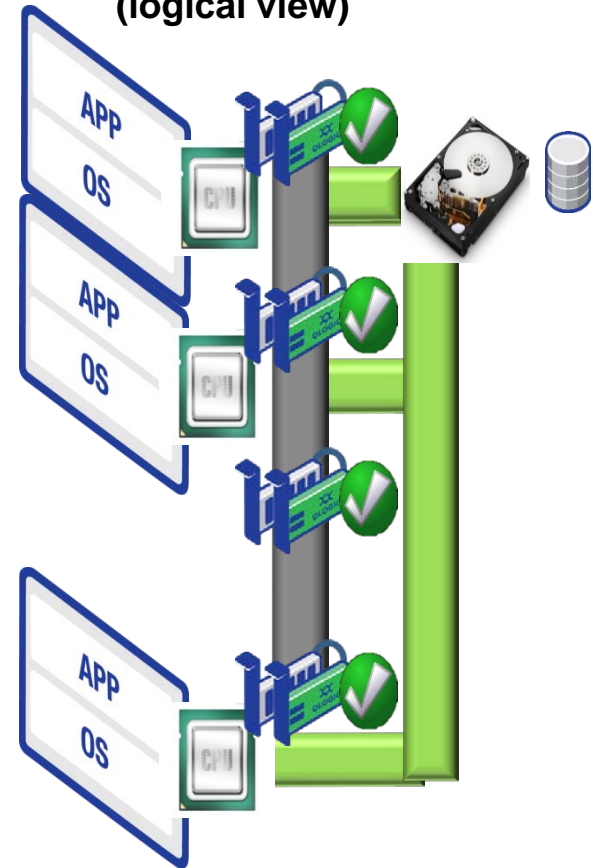
Legacy application environment

- **LUNs not shared**
- Many solutions work

Virtualized and Clustered Software: Caching SAN Adapter



**Workload to Storage Binding
(logical view)**



SAN enables sharing of storage resources

- Caching SAN adapter works in clustered / virtualized
- Target/initiator enables sharing of caches
- No duplication of cache required; no coherency issues

Clustered application environment

- LUNs must be shared
- Access to original cache retained

Application Acceleration Requirements

- Must be simple to deploy and manage – minimal SW footprint with drivers, caching SW in host
- Able to accelerate enterprise application software including cluster and virtualized
- Cache must be shared – no duplication, coherency
- Non-disruptive to existing network/SAN, policies, management tools
- Proven, stable technology – can't take chances with critical data