

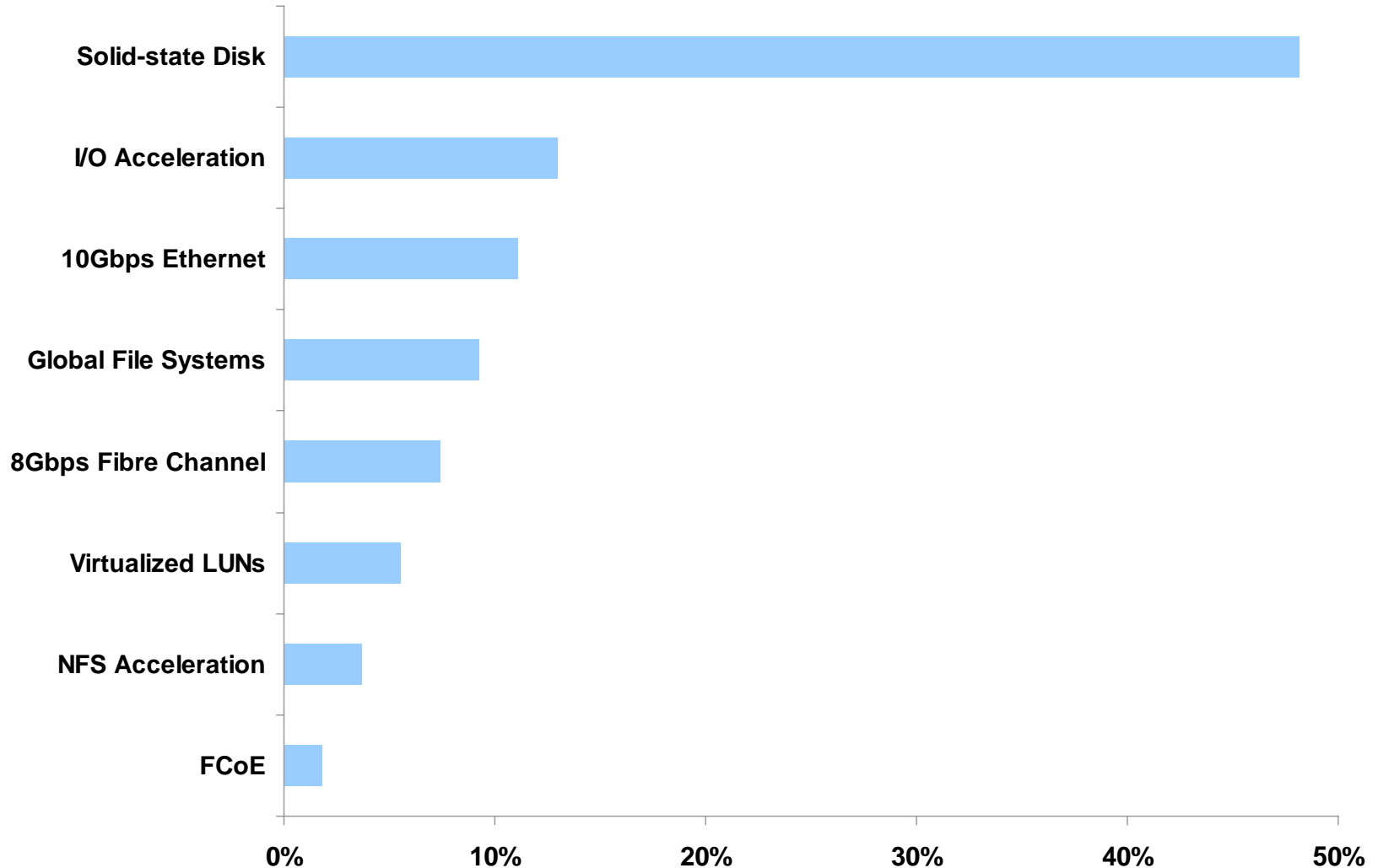
## Changing Discussions Around SSD

Solid-state disk (SSD) technology has been one of the heaviest-discussion storage technologies during the past 12 months. Last month, as result, we pulled together some of the most relevant SSD research for a short TIP Insight Report. Below are some of the findings of the report:

- Cost-effective solid-state disk (SSD) memory technology combined with 100Gbps optical routing technology poses a discontinuous innovation for the enterprise storage market.
- Established storage vendors are positioning SSD technology as a faster next-generation disk drive. However, the nature of the workloads, application slowdowns, multiple layers of virtualization indirection, proprietary storage management and technology refresh complexity are leading to the resurfacing of the concept of a network resident I/O virtualization approach.
- The best parallel to contrast how cost-effective SSD technology could impact the storage competitive landscape is looking at how server networking routing technology moved out of servers and resulted in the creation of a new network company behemoth, namely Cisco.
- IT pros will demand to minimize the complexity and labor of data movement. Recent TIP research shows that as large enterprises' capacities average 15PB, the cost of data movement forces organizations to move storage virtualization from a "nice to have" to a "must have," and given current storage growth rates, this should occur in two to three years.

# Chart 1: Storage Technologies That Will Improve Application Performance at Large Enterprises

Which storage technology promises the best benefit for application performance improvement?



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