Fibre Channel has a core focus on speed and continues to progress at a breathtaking pace. Fibre Channel continues evolving higher to higher speeds to meet the high bandwidth needs of storage applications. When generations of data are moved between server and storage, the performance of the application is directly dependent on how fast the data can fly. The storage industry has come to rely on Fibre Channel to deliver superior performance and reliability for mission-critical applications.

Fibre Channel has traditionally doubled in speed every five years when the available technology can fit into the SFP form factor. The two key lessons on the graph at the left show the exponential growth in speed of Fibre Channel and Fibre Channel over Ethernet. 8GFC and 16GFC require the SFP form factor that supports speeds up to 10 Gb/s since the SFP form factor supports speeds up to 4.8 Gb/s.

StorAger Area Networks

The Fibre Channel Roadmap is at the heart of how fibre-channel connecting servers to storage, and relied upon for the most mission-critical workloads. For example, Fibre Channel is deployed in many high-end applications in financial and governmental institutions where reliability and scalability are paramount. Fibre Channel is deployed in many high-end applications in financial and governmental institutions where reliability and scalability are paramount. Fibre Channel consistently delivers greater than “five 9s” reliability and scalability are paramount. Fibre Channel consistently delivers greater than “five 9s” reliability and scalability are paramount. Fibre Channel consistently delivers greater than “five 9s” reliability and scalability are paramount. Fibre Channel consistently delivers greater than “five 9s” reliability and scalability are paramount.

Fibre Channel continues to evolve and support speeds over 100 Gb/s. Fibre Channel has been used for the highest-performance applications, while hard disk arrays are used for mission-critical storage and then for archival. The rapid growth in capacity and cost is evident in all kinds. Hard technology continues to evolve, more capabilities are being added to support the high-speed needs of servers and storage.

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