HPC Acronyms/Shorthand

Units

Acronym - Meaning		Acronym - Meaning		Acronym - Meaning		Acronym - Meaning
Kb - Kilobit (1000 bits)		Mb - Megabit (1000 Kb)		Gb - Gigabit (1000 Mb)		Tb - Terabit (1000 Gb)
KB - Kilobyte (1000 bytes)		MB - Megabyte (1000 KB)		GB - Gigabyte (1000 MB)		TB - Terabyte (1000 GB)
KiB - Kibibyte (1024 bytes)		MiB - Mebibyte (1024 KiB)		GiB - Gibibyte (1024 MiB)		TiB - Tebibyte (1024 GiB)

Notes: 1 byte = 8 bits. Use of the above units shorthand is inconsistent. Networking devices tend to refer to Kb/Mb/Gb/Tb, storage devices tend to refer to KB/MB/GB/TB, while system administrators tend to refer to KiB/MiB/GiB/TiB. The IEC binary prefixes (e.g., KiB) were first introduced in 2007.

Acronyms

Acronym	Association	Expanded
CIFS	Storage	Common Inter File System (http://en.wikipedia.org/wiki/Cifs)
GbE	Networking	Gigabit Ethernet (http://en.wikipedia.org/wiki/GbE)
HPC		High Performance Computing
IP	Networking	Internet Protocol (http://en.wikipedia.org/wiki/Internet_protocol)
MPI	HPC	Message Passing Interface (http://en.wikipedia.org/wiki/Message_Passing_Interface)
NAS	Storage	Network Attached Storage (http://en.wikipedia.org/wiki/Network-attached_storage)
NFS	Storage	Network File System (http://en.wikipedia.org/wiki/Network_File_System)
TCP	Networking	Transmission Control Protocol (http://en.wikipedia.org/wiki/Transmission_Control_Protocol)
VM	Systems	Virtual Machine (http://en.wikipedia.org/wiki/Virtual_machine)