

Abbreviations

ABI	Application Binary Interface
ACID	Atomicity, Consistency, Isolation, Durability
ACL	Access Control List
AMI	Amazon Machine Image
API	Application Program Interface
ARM	Advanced RISC Machine
ASIC	Application Specific Integrated Circuit
AVX	Advanced Vector Extensions
AWS	Amazon Web Services
AWSLA	Amazon Web Services Licensing Agreement
BASE	Basically Available, Soft state, Eventually consistent
BCE	Basic Core Equivalent
BIOS	Basic Input Output System
BPD	Bootstrap Performance Diagnostic
BSP	Bulk Synchronous Parallel
CCN	Content Centric Network
CDN	Content Delivery Network
CISC	Complex Instruction Set Computer
COMA	Cache Only Memory Access
CORBA	Common Object Request Broker Architecture
CPI	Cycles per Instruction
CPU	Central Processing Unit
CRM	Custom Relation Management
CSP	Cloud Service Provider
CUDA	Compute Unified Device Architecture
DAT	Dynamic Address Translation
DBaaS	Database as a Service
DDoS	Distributed Denial of Service
DHCP	Dynamic Host Configuration Protocol
DMA	Direct Memory Access
DRAM	Dynamic Random Access Memory
DVFS	Dynamic Voltage and Frequency Scaling
EBS	Elastic Block Store
ECS	EC2 Container Service
EC2	Elastic Cloud Computing
EMR	Elastic Map Reduce
EPIC	Explicitly Parallel Instruction Computing
FC	Fiber Channel
FCFS	First Come First Serve
FIFO	First In First Out
FPGA	Field Programmable Gate Array
FSM	Finite State Machine
GFS	Google File System
GiB	Gibi Byte
GIMP	GNU Manipulation Program
GPFS	General Parallel File System
GPU	Graphics Processing Unit

HDD	Hard Disk Drive
HDFS	Hadoop File System
HTML	Hypertext Markup Language
HTTP	Hypertext Transfer Protocol
IaaS	Infrastructure as a Service
IDE	Integrated Drive Electronics
IoT	Internet of Things
IPC	Instructions per Clock Cycle
IRTF	Internet Research Task Force
ISA	Instruction Set Architecture
JDBC	Java Database Connectivity
JMS	Java Message Service
JSON	Javascript Object Notation
KVM	Kernel-based Virtual Machine
MAC	Medium Access Control
MFLOPS	Million Floating Point Operations per Second
MIMD	Multiple Instruction Multiple Data
MIPS	Million Instructions per Second
MLMM	Multi-level Memory Manager
MMX	Multi Media Extension
MPI	Message Passing Interface
MSCR	Map Shuffle Combine Reduce
NAT	Network Address Translation
NDN	Named Data Networks
NFS	Network File System
NTFS	New Technology File System
NUMA	Non-Uniform Memory Access
NV-RAM	Non-Volatile Random Access Memory
OCCI	Open Cloud Computing Interface
OGF	Open Grid Forum
OLTP	On Line Transaction Processing
OLAP	On Line Analytical Processing
PaaS	Platform as a Service
PHP	recursive acronym for PHP: Hypertext Preprocessor
PN	Petri Net
QOS	Quality of Service
RAID	Redundant Array of Independent Disks
RAM	Random Access Memory
RAR	Read After Read
RAW	Read After Write
RDD	Resilient Distributed Dataset
RDBMS	Relational Database Management System
RDS	Relational Database Service
REST	Representational State Transfer
RFC	Remote Frame Buffer
RISC	Reduced Instruction Set Computer
RMI	Remote Method Invocation
RPC	Remote Procedure Call
RTT	Round Trip Time
SaaS	Software as a Service
SAN	Storage Area Network
SDK	Software Development Kit
SDN	Software Defined Network

SHA	Secure Hash Algorithm
SIMD	Single Instruction Multiple Data
SLA	Service Level Agreement
SNS	Simple Notification Service
SOAP	Simple Object Access Protocol
SPMD	Single Program Multiple Data
SQL	Structured Query Language
SQS	Simple Queue Service
SSD	Solid State Disk
SSE	Streaming SIMD Extensions
S3	Simple Storage System
SWF	Simple Workflow Service
TCP	Transport Control Protocol
TLB	Translation Lookaside Buffer
UDP	User Datagram Protocol
UFS	Unix File System
UMA	Uniform Memory Access
vCPU	Virtual CPU
VLIW	Very Long Instruction Word
VM	Virtual machine
VMCS	Virtual Machine Control Structure
VMM	Virtual Machine Monitor
VMM	Virtual Memory Manager
VNC	Virtual Network Computing
VPC	Virtual Private Cloud
VPN	Virtual Private Network
WAN	Wide Area Network
WAR	Write After Read
WAW	Write After Write
WSC	Warehouse Scale Computer
WWN	World Wide Name
XML	Extensible Markup Language
YARN	Yet Another Resource Negotiator