

## Welcome to DIDO WIKI

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      - Access Control
      - Access Control Engine (ACE)
      - Access Control Function
      - Access Control List (ACL)
      - Access Control Policy (ACP)
      - Accessibility
      - Accountability
      - Actuarial Tables
      - Adaptability
      - Address Resolution Protocol (ARP)
      - Address Resolution Protocol (ARP) Spoofing
      - Advanced Encryption Standard (AES)
      - Advanced Message Queuing Protocol (AMQP)
      - After Action Review (AAR)
      - Aggregation Layer
      - Agile Model
      - Agreement Ledgers
      - Altcoin
      - Amazon Web Services (AWS)
      - American National Standards Institute (ANSI)
      - American Standard for Information Interchange (ASCII)

- [Analysability](#)
- [Anti Money Laundering \(AML\)](#)
- [Apache ActiveMQ](#)
- [Application](#)
- [Application Binary Interface \(ABI\)](#)
- [Application Container](#)
- [Application Layer](#)
- [Application Performance](#)
- [Application Programming Interface \(API\)](#)
- [Application Security](#)
- [Application Specific Integrated Circuit \(ASIC\)](#)
- [Appropriateness Recognizability](#)
- [Architecture Adaptability](#)
- [Argument](#)
- [Artificial Intelligence \(AI\)](#)
- [Asset Class](#)
- [Assurance](#)
- [Asynchronous Byzantine fault tolerance \(ABFT\)](#)
- [Attack Surface](#)
- [Attestation Ledgers](#)
- [Authentication](#)
- [Authentication Code](#)
- [Authenticity](#)
- [Authority](#)
- [Authorization](#)
- [Automated Clearing House \(ACH\) Network](#)
- [Automation Pyramid](#)
- [Autorité des Marchés Financiers \(AMF\)](#)
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  - [Basic Input/Output System \(BIOS\)](#)
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  - [Bill of Lading \(BL or BoL\)](#)
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- Black Box Testing
- Blind Assignment for Blockchain Extension (BABE)
- Blockchain
- Blockchain Network
- Block Ciphers
- Block Header
- Block Height
- Block Producers
- Block Rewards
- Block Validators
- Bluetooth
- Bootstrap
- Bridge
- Brownfield
- Bug
- Bus
- Business impact Analysis (BIA)
- Business Process
- Business Process Model and Notation (BPMN)
- Bylaws
- Bytecode
- Byzantine Fault
- Byzantine Fault Tolerance (BFT)
- Byzantine Generals Problem
- Federal Financial Services Authority (BaFin)
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  - Cable Subscriber Protection
  - California Consumer Credit Reporting Agencies Act (CCCRA)
  - California Consumer Privacy Act (CCPA)
  - California Privacy Act
  - California Right to Financial Privacy Act
  - California Song-Beverly Credit Card Act
  - Capability Maturity Model Integration (CMMI)
  - Cardano
  - Category 5 (Cat-5)
  - Category 6 (Cat-6)
  - Category 7 (Cat-7)
  - Category 8 (Cat-8)
  - Central Ledger
  - Central Processing Unit (CPU)
  - Certificate Authority (CA)
  - Chain Linking
  - Charge Card
  - Charter
  - Checksum
  - Children's Online Privacy Protection Act (COPPA)
  - China Banking Regulatory Commission (CBRC)
  - China Insurance Regulatory Commission (CIRC)

- [China Securities Regulatory Commission \(CSRC\)](#)
- [Cipher](#)
- [Ciphertext](#)
- [Claim](#)
- [Class](#)
- [Clearinghouse](#)
- [Cleartext](#)
- [Client](#)
- [Client-Server](#)
- [Cloud Elasticity](#)
- [Cloud Service](#)
- [Cloud Storage](#)
- [Coins](#)
- [Cold Boot Attack](#)
- [Command Line Interface \(CLI\)](#)
- [Command Shell](#)
- [Comma Separated Values \(CSV\)](#)
- [Commercial Off-The-Shelf \(COTS\)](#)
- [Commodity Futures Trading Commission \(CFTC\)](#)
- [Common Intermediate Language \(CIL\)](#)
- [Common Language Runtime \(CLR\)](#)
- [Common Object Request Broker Architecture \(CORBA\)](#)
- [Common Warehouse Metamodel \(CWM\)](#)
- [Common Weakness Enumeration \(CWE\)](#)
- [Communication Protocol](#)
- [Communications Model](#)
- [Community of Interest \(CoI\)](#)
- [Competition In Contracting Act \(CICA\)](#)
- [Compiler](#)
- [Complex Instruction Set Computer \(CISC\)](#)
- [Component](#)
- [Computer Architecture](#)
- [Computer System](#)
- [Computing Platform](#)
- [Conceptual Schema](#)
- [Condition](#)
- [Confidential Information Protection and Statistical Efficiency Act \(CIPSEA\)](#)
- [Confidentiality](#)
- [Confidentiality, Integrity and Availability \(CIA Triad\)](#)
- [Confidentiality Agreement](#)
- [Configuration Management \(CM\)](#)
- [Confirmation](#)
- [Conformance Specification](#)
- [Consensus Algorithm](#)
- [Consensus Process](#)
- [Console](#)
- [Consortium Blockchain](#)

- Constrained Application Protocol (CoAP)
- Consumer Financial Protection Bureau (CFPB)
- Container
- Container Engine
- Container Host
- Container OS
- Control Flow
- Control Level
- Copyleft
- Copyright
- Core Dump
- Corruption
- Cost Accounting Standards (CAS)
- Crash
- Credit and Debit Card Receipt Clarification Act
- Credit Card
- Crowdfunding
- Cryptoanalysis
- Cryptocurrency
- Cryptocurrency Addresses
- Cryptographic Algorithm
- Cryptographic Checksum
- Cryptographic Key
- Cryptography
- Customer Due Diligence
- Cyber Resiliency
- Cybersecurity
- CyberSecurity Culture (CSC)
- Cyclomatic
- Cyclomatic Complexity
- Glossary D Terms
  - Daemon
  - Dark Web
  - Data-at-Rest
  - Data-Centric
  - Data-Centric Publish-Subscribe (DCPS)
  - Data-in-Motion
  - Data-in-Use
  - Data as a Service (DaaS)
  - Database
  - Database Driver
  - DataBase Management System (DBMS)
  - Data Breach
  - Data Definition Language (DDL)
  - Data Distribution Service (DDS)
  - Data Governance (DG)
  - Data Integrity
  - Data Link Layer (DLL)

- [Data Localization](#)
- [Data Logging](#)
- [Data Loss Prevention \(DLP\)](#)
- [Data Management \(DM\)](#)
- [Data Management Platform \(DMP\)](#)
- [Data Manipulation Language \(DML\)](#)
- [Data Model \(DM\)](#)
- [Data Modeling](#)
- [Data Object \(DO\)](#)
- [Data Protection](#)
- [Data Protection Act 2018](#)
- [Data Quality](#)
- [Data Reader](#)
- [Data Remanence](#)
- [Data Residency](#)
- [Data Retention Policy](#)
- [Data Security](#)
- [Data Sovereignty](#)
- [Datastore](#)
- [Data Strategy](#)
- [Data Structure](#)
- [Data Type](#)
- [Data Writer](#)
- [DDS Domain](#)
- [DDS Sample](#)
- [Deadline QoS](#)
- [Debit Card](#)
- [Debugger](#)
- [Decentralized Application](#)
- [Decentralized Autonomous Organization](#)
- [Decentralized Autonomous Organization \(DAO\)](#)
- [Decentralized Finance \(DeFi\)](#)
- [Decentralized IDentifier \(DID\)](#)
- [Decision Point](#)
- [Declarative Programming](#)
- [Decryption](#)
- [Deep Copy](#)
- [de facto Standard](#)
- [Defense Federal Acquisition Regulation Supplement \(DFARS\)](#)
- [Delegated Byzantine Fault Tolerant \(dBFT\)](#)
- [Delegated Proof of Stake \(DPoS\)](#)
- [Denial-of-Service \(DoS\)](#)
- [Department of Defense \(DoD\)](#)
- [Department of Justice \(DOJ\)](#)
- [Dependent Event](#)
- [Deposit Insurance](#)
- [Desirement](#)
- [Desktop](#)

- Deterministic Algorithm
- DevOps
- devp2p
- DIDO Domain Community
- DIDO Ecosphere Community
- DIDO Ecosystem Community
- DIDO Platform
- Difficulty
- Digital Asset
- Digital Attack Surface Area
- Digital Certificate
- Digital Identity
- Digital Rights
- Digital Rights Management (DRM)
- Digital Signature
- Digital Transaction
- Digital Twin
- Directed Acyclic Graph (DAG)
- Disaster Recovery Plan (DRP)
- Disconnected, Intermittent and Limited (DIL)
- Discovery
- Disk Image
- Distributed Application (DApp or DApp)
- Distributed Database
- Distributed Denial-of-Service (DDoS)
- Distributed Hash Table (DHT)
- Distributed Immutable Data Objects (DIDO)
- Distributed Ledger
- Distributed Ledger Technology (DLT)
- Distributed System
- Division by Zero (DIV/0)
- Docker
- Document Object Model (DOM)
- Dodd-Frank Act
- Domain Integrity
- Domain Knowledge
- Domain Name System (DNS)
- Domain Participant
- Domestic Money Laundering
- Double Spend
- Download Speed
- Downtime
- Driver's Privacy Protection Act of 1994 (DPPA)
- Drug Enforcement Administration (DEA)
- Drug Trafficking
- Dual In-line Memory Module (DIMM)
- Duck Typing
- Durability

- Dynamic Host Configuration Protocol (DHCP)
- Dynamic Link Library (.dll)
- Dynamic Random Access Memory (DRAM)
- Glossary E Terms
  - E-Government Act
  - Economies of Scale
  - Elastic Compute Cloud (EC2)
  - Electronic Benefit Transfer (EBT)
  - Electronic Commerce (e-Commerce)
  - Electronic Funds Transfer Act
  - Electrotechnology
  - Encryption
  - Encryption Algorithm
  - End-of-life (EoL)
  - End-to-End Solution (E2ES)
  - End-to-End Testing (E2E Testing)
  - Endianness
  - Endpoint
  - Enterprise Resource Planning (ERP)
  - Entity
  - Entity Integrity
  - Entity Relationship Diagram (ERD)
  - Environment Variables
  - Ether
  - Ethereum
  - Ethereum Classic
  - Ethereum Improvement Proposal (EIP)
  - Ethereum Memory
  - Ethereum Node
  - Ethereum Request for Comment (ERC)
  - Ethereum Storage
  - Ethereum Virtual Machine (EVM)
  - Ethereum Virtual Machine (EVM) Bytecode
  - Ethereum Wire Protocol (ETH)
  - Ethernet
  - Europay, MasterCard® and Visa (EMV)
  - Evidence
  - EVM Code
  - Exception
  - Exception Handler
  - Executable File
  - Exploit
  - Exploitable
- Glossary F Terms
  - Failover
  - Fair and Accurate Credit Transactions Act (FACTA)
  - Fair Credit Reporting Act (FCRA)
  - Fair Debt Collection Practices Act (FDCPA)

- Fault Tolerance
- Federal Acquisition Regulation (FAR)
- Federal Bureau of Investigation (FBI)
- Federal Deposit Insurance Corporation (FDIC)
- Federal Emergency Management Agency (FEMA)
- Federal Information Security Management Act (FISMA)
- Federal Reserve (Fed)
- Federal Reserve Note
- Fiat Currency
- Field Level
- Fifty-One Percent (51% Attack)
- FIGI Symbology
- Figure of Merit (FoM)
- File
- File Transfer Protocol (FTP)
- Financial Accounting Standards Board (FASB)
- Financial Action Task Force (FATF)
- Financial Conduct Authority (FCA)
- Financial Industry Regulatory Authority (FINRA)
- Financial Instrument
- Financial Instrument Global Identifier (FIGI)
- Financial Market
- Financial Market Supervisory Authority (FINMA)
- Financial Sector
- Financial Services Agency (FSA)
- Financial Technology (Fintech)
- Firewall
- Firmware
- Five Nines
- Flowchart
- Fork
- Full-Disk Encryption (FDE)
- Full Memory Encryption (FME)
- Full Node
- Functional Language
- Functional Programming
- Functional Requirements
- Fungibility
- Fungible
- Glossary G Terms
  - Ganache
  - Gas
  - Gateway
  - General-Purpose Graphics Processing Unit (GPGPU)
  - General Data Protection Regulation (GDPR)
  - Generally Accepted Accounting Principles (GAAP)
  - Geolocation
  - Gift Card

- Global StableCoin (GSC)
- Goal
- Google Mobile Services (GMS)
- Gossip Protocol
- Governance
- Governing Body
- Government Accountability Office (GAO)
- Government Off-The-Shelf (GOTS)
- Gramm-Leach-Bliley Act (GLBA)
- Graph DataBase (GDB)
- Graphical User Interface (GUI)
- Graphics Processing Unit (GPU)
- Greenfield
- Glossary H Terms
  - Hacker
  - Halving
  - Hard Disk Drive (HDD)
  - Hard Fork
  - Hard Real-Time System
  - Hardware (H/W)
  - Hardware Firewall
  - Hashcash
  - Hash Function
  - Hashgraph
  - Hashgraph Consensus Algorithm
  - Hashing
  - Hash Key
  - Hashrate
  - Health Insurance Portability and Accountability Act (HIPAA)
  - Heap Error
  - Heap Memory
  - Hedera
  - History QoS
  - Homomorphic Encryption (HE)
  - Horizontal Scaling
  - Howey Test
  - HTTP Sniffer
  - Hub
  - Human-machine interface (HMI)
  - Human Trafficking
  - Hybrid Network
  - Hype-Cycle
  - Hyperledger
  - Hypertext markup language (HTML)
  - Hypertext Transfer Protocol (HTTP)
  - Hypertext transfer protocol (HTTP) Request
  - Hypertext transfer protocol (HTTP) Response
  - Hypertext Transport Protocol Secure (HTTPS)

- Hypervisor
- Glossary I Terms
  - Idempotence
  - Identification
  - Identifier (ID)
  - Identity Theft
  - IEEE 802.1 Working Group
  - Immutable
  - Impacted Component
  - Imperative Programming
  - Incremental Model
  - Independent Event
  - Industrial Application
  - Industrial Internet of Things (IIoT)
  - Information Assurance (IA)
  - Information Security (IS/InfoSec)
  - Information Technology (IT)
  - Information Technology (IT) Risk Management
  - Infrared Wireless Networking
  - Infrastructure-as-a-Service (IaaS)
  - Inherence Factor
  - Inheritance
  - Initial Coin Offering (ICO)
  - Insolvency and Bankruptcy Board of India (IBBI)
  - Installability
  - Instance
  - Institute of Electrical and Electronics Engineers (IEEE)
  - Instruction Set
  - Instrumentation
  - Insurance Regulatory and Development Authority of India (IRDAI)
  - Integrated Development Environment (IDE)
  - Integration Testing
  - Integrity
  - Intellectual Property (IP)
  - Inter-Process Communication (IPC)
  - Interactive Model
  - Interface
  - Interface Testing
  - International Money Laundering
  - International Organization for Standardization (ISO)
  - Internet
  - Internet Assigned Number Authority (IANA)
  - Internet Inter-ORB Protocol (IIOP)
  - Internet of Things (IOT)
  - Internet Protocol (IP)
  - Internet Protocol Address (IP Address)
  - Internet Protocol Security (IPsec)
  - Internet Service Provider (ISP)

- Internet Small Computer System Interface (iSCSI)
- Interoperability
- Interoperability Testing
- InterPlanetary File System (IPFS)
- Intranet
- Iota
- ISO 9001
- ISO 15288
- ISO 90003-2018
- Glossary J Terms
  - Java
  - Java Database Connectivity(JDBC)
  - Java Message Service (JMS)
  - JavaScript
  - JavaScript Object Notation (JSON)
  - Java Virtual Machine (JVM)
  - Jitter
  - Just-In-Time (JIT)
- Glossary K Terms
  - Kademlia
  - Key
  - Key Management
  - Knowledge Factor
  - Know Your Customer (KYC)
- Glossary L Terms
  - Laptop
  - Latency
  - Latency Budget QoS
  - Learnability
  - Ledger
  - License
  - License Distribution
  - License Linking
  - License Modification
  - License Patent Grant
  - License Private Use
  - Licensing Sublicensing
  - Licensing Trademark Grant
  - Light Ethereum Subprotocol (LES)
  - Lightning Network
  - Light Node
  - Lightweight Directory Access Protocol (LDAP)
  - Lint
  - Liquidity
  - Liquidity Risk
  - Lisp
  - Listener
  - Litecoin

- Little-Endian
- Liveliness QoS
- Local Area Network (LAN)
- Location Factor
- Logical Integrity
- Logic Error
- Long-Term Evolution (LTE)
- Glossary M Terms
  - Machine Authentication
  - Machine Learning (ML)
  - Machine to Machine (M2M)
  - Main Memory Encryption (MME)
  - Maintainability
  - Maintainability Measure
  - Malicious Software (Malware)
  - Man-in-the-Middle (MiTM) Attack
  - Manageability
  - Management Level
  - Manufacturing Execution System (MES)
  - Markets in Financial Instruments Directive (MiFID)
  - Markets in Financial Instruments Directive II (MiFID II)
  - Massively Parallel Processing (MPP)
  - Mean Active Maintenance Down Time (MAMDT)
  - Mean Logistics Delay Time (MLDT)
  - Mean Time Between Failure (MTBF)
  - Mean Time To Failure (MTTF)
  - Mean Time To Repair (MTTR)
  - Measures of Effectiveness (MoE)
  - Media Access Control (MAC)
  - Meet-in-the-Middle Attack
  - Meme Coin
  - Memorandum Of Agreement (MOA)
  - Memorandum Of Understanding (MOU)
  - Memory Leak
  - Message-Oriented Middleware (MOM)
  - Message Broker
  - Message Queue(MQ)
  - Message Queuing Telemetry Transport (MQTT)
  - Metadata
  - MetaObject Facility Specification (MOF)
  - Method Overloading
  - Metropolitan Area Network (MAN)
  - Microcontroller
  - Micropayment Channel
  - Middleware
  - Miner Node
  - Mining
  - Mission Assurance (MA)

- Mission Critical System
- Mobile Device
- Mobile Payment
- Model-Based Systems Engineering (MBSE)
- Model Driven Architecture (MDA)
- Modem
- Modifiability
- Modified Off-The-Shelf (MOTS)
- Modularity
- Module
- Monetary Authority of Singapore (MAS)
- Money Laundering
- Money Laundering Control Act of 1986 (MCLA)
- Monitoring Software
- Motherboard
- Multi-core Processor
- Multi-Party Computation (MPC)
- Multi-Signature (multisig)
- Multifactor Authentication (MFA)
- Musical Instrument Digital Interface (MIDI)
- Must (Requirement)
- MUTual EXclusion (mutex)
- Glossary N Terms
  - N-Tier Architecture
  - Namespace
  - National Association of Insurance Commissioners (NAIC)
  - National Credit Union Administration (NCUA)
  - NATO Off-The-Shelf (NOTS)
  - Near-Field-Communication (NFC)
  - Network Appliance
  - Network Attached Storage (NAS)
  - Network Cabling
  - Network Device
  - Network Interface Card (NIC)
  - Network Layer
  - Network Management System (NMS)
  - Network Node
  - Network Object
  - Network Performance
  - Network Security
  - Network Topology
  - Network Traffic Analyzer
  - Node
  - Node.js
  - Node Network
  - Node Package Management (NPM)
  - Non-Disclosure Agreement (NDA)
  - Non-Functional Requirements

- Non-Fungible Token (NFT)
- Non-Profit Organization (NPO)
- Non-Repudiation
- Non-Volatile Storage (NVS)
- Normalization
- NoSQL
- Notebook Computer
- Glossary O Terms
  - Object
  - Object-Oriented (OO)
  - Object-Oriented Database (OOD)
  - Object-Oriented Programming (OOP)
  - Object-Relational Database (ORD)
  - Objective
  - Object Management Group® (OMG®)
  - One-Time PIN (OTP)
  - OneM2M
  - Ontology
  - Open Database Connectivity (ODBC)
  - Open Platform Communication
  - Open Platform Communication Unified Architecture (OPC-UA)
  - Open Source Software (OSS)
  - Open Standard Authorization ( OAuth )
  - Open Systems Interconnection (OSI) Model
  - Open Telecom Platform (OTP)
  - Operability
  - Operating System (OS)
  - Operational Code (OPCODE)
  - Operational Resilience
  - Operational transformation (OT)
  - Operator
  - Options Clearing Corporation (OCC)
  - Oracle
  - Other Transactions (OT)
  - Overflow
  - Owner
  - Ownership QoS
  - Ownership Strength
- Glossary P Terms
  - Package
  - Package Manager
  - Packet Loss
  - Packet Switched Network (PSN)
  - Parallel Processing
  - Parliamentary Authority
  - Partition
  - Password
  - Patch

- [Payment Card](#)
- [Payment Card Industry Data Security Standard \(PCI DSS\)](#)
- [Payment Channel](#)
- [Pedigree](#)
- [Peer](#)
- [Peer-to-Peer \(P2P\)](#)
- [Peer-to-Peer Lending \(P2P Lending\)](#)
- [Peer Review](#)
- [Pension Fund Regulatory and Development Authority \(PFRDA\)](#)
- [Performance](#)
- [Performance Efficiency Measure](#)
- [Performance or Functional Specifications](#)
- [Peripheral Device](#)
- [Permissioned Blockchains](#)
- [Permissioned Ledger](#)
- [Permissioned Networks](#)
- [Permissionless Networks](#)
- [Permissive Open Source Software](#)
- [Personal Identifiable Information \(PII\)](#)
- [Personal Identification Number \(PIN\)](#)
- [Phishing](#)
- [Physical Attack Surface Area](#)
- [Physical Integrity](#)
- [Physical Layer](#)
- [Physical Security](#)
- [Plaintext](#)
- [Planning Level](#)
- [Platform](#)
- [Platform-as-a-Service \(PaaS\)](#)
- [Platform Independent Model \(PIM\)](#)
- [Platform Security](#)
- [Platform Specific Model \(PSM\)](#)
- [Plug In](#)
- [Point-to-Point](#)
- [Policies and Procedures \(P&P\)](#)
- [Policy](#)
- [Policy Administration Point \(PAP\)](#)
- [Policy Based Management System \(PBMS\)](#)
- [Policy Decision Point \(PDP\)](#)
- [Policy Enforcement Point \(PEP\)](#)
- [Policy Information Block \(PIB\)](#)
- [Policy Information Point \(PIP\)](#)
- [Policy Retrieval Point \(PRP\)](#)
- [Polkadot](#)
- [Portability](#)
- [Portable Network Graphics \(PNG\)](#)
- [Portable Operating System Interface \(POSIX\)](#)
- [Port Number](#)

- Possession Factor
- Precision Time Protocol (PTP)
- Prepaid Card
- Presentation Layer
- Principle
- Private Key
- Private Network
- Privileges
- Procedural Language
- Procedure
- Processor
- Procurement Integrity Act (PIA)
- Programming Language
- Programming Style Guide
- Project Management Software
- Proof of Authority (PoA)
- Proof of Concept Software
- Proof of Stake (PoS)
- Proof of Work (PoW)
- Protection Rings
- Protocol
- Protocol Buffer (Protobuf)
- Protocol Layer
- Prototype
- Prototype Model
- Provenance
- Prudential Regulation Authority (PRA)
- Public Domain
- Public Key
- Public Key Infrastructure (PKI)
- Public Network
- Publish-Subscribe
- Publisher
- Pulse-Amplitude Modulation (PAM)
- Pure Function
- Python
- Glossary Q Terms
  - Quality of Service (QoS) Policies
  - Quantum Computing
  - Quick Response Code (QR Code)
- Glossary R Terms
  - RabbitMQ
  - Radio Frequency Identification (RFID)
  - Random Access Memory (RAM)
  - Range Error
  - Rapid Application Development (RAD) Model
  - Read-Only Memory (ROM)
  - Real-Time Application (RTA)

- [Real-Time Payments \(RTP\)](#)
- [Real-time Publish-Subscribe \(RTPS\)](#)
- [Reboot the World Problem](#)
- [reCAPTCHA](#)
- [Recoverability](#)
- [Recursion](#)
- [Reduced Instruction Set Computer \(RISC\)](#)
- [Reentrancy Attack](#)
- [Reference Architecture \(RA\)](#)
- [Reference Implementation \(RI\)](#)
- [Referential Integrity](#)
- [Register](#)
- [Registered Agent](#)
- [Registered Jack-45 \(RJ45\) Connectors](#)
- [Regression Testing](#)
- [Regulatory Compliance](#)
- [Relational DataBase Management System \(RDBMS\)](#)
- [Relational Model \(RM\)](#)
- [Reliability, Maintainability, and Availability \(RAM\)](#)
- [Reliability Measure](#)
- [Relocatable Object](#)
- [Remote Procedure Call \(RPC\)](#)
- [Repairability](#)
- [Repeater](#)
- [Replaceability](#)
- [Representational State Transfer \(REST\)](#)
- [Request For Comment \(RFC\)](#)
- [Request For Information \(RFI\)](#)
- [Request For Proposal \(RFP\)](#)
- [Requirement](#)
- [Requirement Traceability](#)
- [Research Development Test & Evaluation \(RDT&E\) Funding](#)
- [Reserve Bank of India \(RBI\)](#)
- [Reserve Currency](#)
- [Resource Lock](#)
- [Resources](#)
- [RESTful API](#)
- [Reusability](#)
- [Rich Site Summary \(RSS\)](#)
- [Right to Financial Privacy Act of 1978 \(RFPA\)](#)
- [Right to Privacy](#)
- [Ripple](#)
- [Risk](#)
- [RLPx](#)
- [Robo-Advisor](#)
- [Roundoff Error](#)
- [Router](#)
- [RSA SecureID](#)

- Run Time
- Runtime Error
- Glossary S Terms
  - Safety-Critical System (SCS)
  - Safety Assurance (SfA)
  - Salami Slicing
  - Sample
  - Sandbox
  - Sandboxing
  - Sanity Testing
  - Sarbanes-Oxley Act (SOX)
  - Scalability
  - Scaling Out
  - Scaling Up
  - Scope Creep
  - Script
  - Scrypt
  - Secure Encrypted Virtualization (SEV)
  - Secure Memory Encryption (SME)
  - Secure Shell (SSH)
  - Secure Sockets Layer (SSL)
  - Securities and Exchange Board of India (SEBI)
  - Securities and Exchange Commission (SEC)
  - Security (finance)
  - Security Breach
  - Security Measure
  - Segmentation Fault (SEGFault)
  - Self-sovereign Identity (SSI)
  - Semantics
  - Semantic Web
  - Sensor
  - Sequence
  - Sequenced Packet Exchange (SPX)
  - Server
  - Servicability
  - Service Mesh
  - Session Layer
  - Settlement Layer
  - SHA 256
  - Shall (Requirement)
  - Shallow Copy
  - Shard
  - Sharding
  - Shared Library
  - Shared Object (.so)
  - Shared Resources
  - Shielding
  - Short Message Service (SMS)

- [Should \(Requirement\)](#)
- [Side-Channel Attack](#)
- [Sidechain](#)
- [Side Effect](#)
- [Silo](#)
- [Simple \(or Streaming\) Text Oriented Message Protocol \(STOMP\)](#)
- [Simple Network Management Protocol \(SNMP\)](#)
- [Simple Object Access Protocol \(SOAP\)](#)
- [Simple Payment Verification \(SPV\)](#)
- [Single-Factor Authentication \(SFA\)](#)
- [Single In-line Memory Module\(SIMM\)](#)
- [Single Point of Failure \(SPoF\)](#)
- [Single Sign-On \(SSO\)](#)
- [Singleton](#)
- [Six Sigma \(6Sigma\)](#)
- [Small Business Innovation Research \(SBIR\)](#)
- [Small Business Technology Transfer \(STTR\)](#)
- [Smart Card](#)
- [Smart Contract](#)
- [Smoke Testing](#)
- [Snapshot](#)
- [Soft Fork](#)
- [Software \(SW\)](#)
- [Software Adaptability](#)
- [Software as a Service \(SaaS\)](#)
- [Software Assurance \(SwA\)](#)
- [Software Crisis](#)
- [Software Development Model](#)
- [Software Engineering \(SE\)](#)
- [Software Firewall](#)
- [Software Guard Extensions \(SGX\)](#)
- [Software Library](#)
- [Software Quality Assurance \(SQA\)](#)
- [Software Stack](#)
- [Software Stack](#)
- [Software Subsystem](#)
- [Solana](#)
- [Solid-State Drive \(SSD\)](#)
- [Solidity](#)
- [Solidity Events](#)
- [Solution Stack](#)
- [Source Code](#)
- [Source Instrumentation](#)
- [Special Interest Group \(SIG\)](#)
- [Special Rules](#)
- [Specification](#)
- [Specified Unlawful Activities \(SUA\)](#)
- [Spiral Model](#)

- Sprint
- Stablecoin
- Stack Memory
- Stack Trace
- Stakeholder
- Standard
- Standards Developing Organization (SDO)
- Standards Organization
- Standing Rules
- Static Code Analysis
- Static Library
- Static Random Access Memory (SRAM)
- Statute
- Storage Area Network (SAN)
- Storage Device
- Straight-through Processing (StP)
- Stream Ciphers
- Stream Control Transmission Protocol (SCTP)
- Strongly Typed Language
- Structured Query Language (SQL)
- Sub-Claim
- Subject Matter Expert (SME)
- Subscriber
- Subscriber Identity Module (SIM)
- Successful Attack
- Supervisory Control and Data Acquisition (SCADA)
- Supervisory Level
- Supply Chain
- Switch
- Symmetric Multiprocessing (SMP)
- Syntax
- Syntax Error
- Syntax Highlighting
- System-on-a-Chip (SoC)
- System Assurance (SysA)
- System Lifecycle
- System of Systems (SoS)
- Systems and software Quality Requirements and Evaluation (SQuaRE)
- Systems Engineering (SE)
- Systems Modeling Language (SysML)
- Glossary T Terms
  - Tangle
  - Taxonomy
  - TCP/IP Conceptual Model
  - Technical Standard
  - Testability
  - The DAO Project

- [The Onion Router \(Tor\)](#)
- [Threat](#)
- [Throughput](#)
- [Time Factor](#)
- [Time Sensitive Network \(TSN\)](#)
- [Tokenless Ledger](#)
- [Tokens](#)
- [Topic](#)
- [Total Cost of Ownership \(TCO\)](#)
- [Total Memory Encryption \(TME\)](#)
- [Trademark](#)
- [Transaction](#)
- [Transaction Block](#)
- [Transaction Fees](#)
- [Transmission Control Protocol \(TCP\)](#)
- [Transport Layer](#)
- [Transport layer security \(TLS\)](#)
- [Transport Priority](#)
- [TRESOR](#)
- [Trusted Execution Environment \(TEE\)](#)
- [Two-Factor Authentication \(2FA\)](#)
- [Type Safety](#)
- [Glossary U Terms](#)
  - [U.S. Treasury](#)
  - [Underflow](#)
  - [Unicode Transformation Format \(UTF\)](#)
  - [Unified Modeling Language \(UML\)](#)
  - [Uniform Resource Identifier \(URI\)](#)
  - [Uniform Resource Locator \(URL\)](#)
  - [Uninterruptible Power Supply \(UPS\)](#)
  - [Unique Identifier \(UID\)](#)
  - [Uniting and Strengthening America by Providing Appropriate Tools Required to Intercept and Obstruct Terrorism \(USA PATRIOT\) Act of 2001](#)
  - [Unit Testing](#)
  - [Universal Description Discovery and Integration \(UDDI\)](#)
  - [Universally Unique Identifier \(UUID\)](#)
  - [Universal Serial Bus \(USB\)](#)
  - [UNIX](#)
  - [UNIX Domain Socket \(Socket\)](#)
  - [Unpermissioned Ledgers](#)
  - [Upload Speed](#)
  - [Usability](#)
  - [Use-Case](#)
  - [User Authentication](#)
  - [User Datagram Protocol \(UDP\)](#)
  - [User Defined Exception](#)
  - [User Defined Integrity](#)

- User Error Protection
- User Interface Aesthetics
- User Scenario
- User Story
- US Patriot Act, Title III: Anti-money-laundering to prevent terrorism
- Glossary V Terms
  - V-Model
  - Validation
  - Value Chain
  - Variable
  - Vendor Lock-In
  - Vermont Privacy of Consumer Financial and Health Information
  - Version Control
  - Vertical Scaling
  - Video Privacy Protection Act (VPPA)
  - Virtual Disk Image (VDI)
  - Virtual LAN (VLAN)
  - Virtual Machine (VM)
  - Virtual Machine Images
  - Virtual Private Network (VPN)
  - Visual Programming Language (VPL)
  - Volatile Storage (VS)
  - Volcker Rule
  - Voluntary Consensus-based Standards Body (VCSB)
  - Vulnerability
  - Vulnerable
- Glossary W Terms
  - WaitSet
  - Wallet
  - Waterfall Model
  - Wayback Machine
  - Weakly Typed Language
  - Weakness
  - web3.js
  - Web Application (Web App)
  - Web Service
  - Web Services Description Language (WSDL)
  - Weight of Network
  - Whisper
  - White Box Testing
  - Wide Area Network (WAN)
  - Wifi Frequencies
  - Will (Requirement)
  - Windows Registry
  - Wired Network
  - Wireless Fidelity (Wi-Fi)
  - Wireless Network
  - Wire Protocol

- Wizard
- World Wide Web (WWW)
- Worst-Case Execution Time (WCET)
- Wrap Around
- Glossary X Terms
  - eXtensible Markup Language (XML)
  - eXtensible Messaging and Presence Protocol (XMPP)
  - XML Information Set (XML Infoset)
  - XML Query Language (XQuery)
  - XML Schema Definition (XSD)
- Glossary Y Terms
- Glossary Z Terms
  - Zero-Day
  - Zero Trust (ZT)
  - Zero Trust Architecture (ZTA)
  - Zero Trust Security Model
  - ZigBee
- Appendix B: Standards Organizations
  - de facto Standards Bodies
    - Amazon
    - Apache Software Foundation (ASF)
      - Apache: Log4cxx
      - Apache: Log4j
      - Apache: log4jscala
      - Apache: log4net
      - Apache: log4php
    - Apple
      - Apple: Darwin
      - Apple: iOS
      - Apple: MacOS
    - Bitcoin
      - Bitcoin: Bitcoin Improvement Proposals (BIPs)
        - BIP 0011 - M-of-N Standard Transactions
        - BIP 0013 - Address Format for pay-to-script-hash
        - BIP 0014 - Protocol Version and User Agent
        - BIP 0016 - Pay to Script Hash (soft fork)
        - BIP 0021 - URI Scheme
        - BIP 0022 - getblocktemplate - Fundamentals
        - BIP 0023 - getblocktemplate - Pooled Mining
        - BIP 0030 - Duplicate transactions (soft fork)
        - BIP 0031 - Pong message
        - BIP 0034 - Block v2, Height in Coinbase (soft fork)
        - BIP 0035 - mempool message
        - BIP 0037 - Connection Bloom filtering
        - BIP 0042 - A finite monetary supply for Bitcoin (soft fork)
        - BIP 0061 - Reject P2P message
        - BIP 0065 - OP\_CHECKLOCKTIMEVERIFY (soft fork)
        - BIP 0068 - Relative lock-time using consensus-enforced

- sequence numbers (soft fork)
- BIP 0070 - Payment Protocol
- BIP 0071 - Payment Protocol MIME types
- BIP 0072 - bitcoin: uri extensions for Payment Protocol
- BIP 0073 - Use "Accept" header for response type negotiation with Payment Request URLs
- BIP 0091 - Reduced threshold Segwit MASF (soft fork)
- BIP 0112 - CHECKSEQUENCEVERIFY (soft fork)
- BIP 0113 - Median time-past as endpoint for lock-time calculations (soft fork)
- BIP 0137 - Signatures of Messages using Private Keys
- BIP 0141 - Segregated Witness (Consensus layer) (soft fork)
- BIP 0143 - Transaction Signature Verification for Version 0 Witness Program (soft fork)
- BIP 0144 - Segregated Witness (Peer Services)
- BIP 0145 - getblocktemplate Updates for Segregated Witness
- BIP 0147 - Dealing with dummy stack element malleability (soft fork)
- BIP 0148 - Mandatory activation of segwit deployment (soft fork)
- Bitcoin: Developer's Guidance
  - Bitcoin: Guide 1 Blockchain
  - Bitcoin: Guide 2 Transactions
  - Bitcoin: Guide 3 Contracts
  - Bitcoin: Guide 4 Wallets
  - Bitcoin: Guide 5 Payment Processing Guide
  - Bitcoin: Guide 6 Operating Modes
  - Bitcoin: Guide 7 Peer-to-Peer Networks
  - Bitcoin: Guide 8 Mining
- Bitcoin: Bitcoinj Developer's Documentation
- Consortium for Information & Software Quality (CISQ)
- Ethereum
  - Ethereum: Clients
    - Ethereum: cpp Project
    - Ethereum: Ethereumh Project
    - Ethereum: Ethereumjs-lib Project
    - Ethereum: Ethereum\_j Project
    - Ethereum: Go-ethereum Project
    - Ethereum: Parity Project
    - Ethereum: Pyethapp Project
    - Ethereum: Ruby-ethereum Project
  - Ethereum: Ethereum Improvement Proposals (EIPs)
    - EIP 20: ERC-20 Token Standard
    - EIP 55: Mixed-case checksum address encoding
    - EIP 107: safe "eth\_sendTransaction" authorization via html popup (DRAFT)

- [EIP 137: Ethereum Domain Name Service - Specification](#)
- [EIP 141: Designated invalid EVM instruction](#)
- [EIP 150: Gas cost changes for IO-heavy operations](#)
- [EIP 155: Simple replay attack protection](#)
- [EIP 162: Initial ENS Hash Registrar](#)
- [EIP 165: ERC-165 Standard Interface Detection](#)
- [EIP 181: ENS support for reverse resolution of Ethereum addresses](#)
- [EIP 190: Ethereum Smart Contract Packaging Standard](#)
- [EIP 191: Signed Data Standard \(DRAFT\)](#)
- [EIP 211: New opcodes: RETURNDATASIZE and RETURNDATACOPY](#)
- [EIP 214: New opcode STATICCALL](#)
- [EIP 234: `blockHash` to JSON-RPC filter options \(DRAFT\)](#)
- [EIP 695: Create `eth\\_chainId` method for JSON-RPC \(DRAFT\)](#)
- [EIP 712: Ethereum typed structured data hashing and signing \(DRAFT\)](#)
- [EIP 721: ERC-721 Non-Fungible Token Standard](#)
- [EIP 758: ERC-NN Subscriptions and filters for completed transactions \(DRAFT\)](#)
- [EIP 777: ERC-777 Token Standard](#)
- [EIP 1052: EXTCODEHASH opcode](#)
- [EIP 1102: Opt-in account exposure \(DRAFT\)](#)
- [EIP 1167: Minimal Proxy Contract](#)
- [EIP 1186: RPC-Method to get Merkle Proofs - eth\\_getProof \(DRAFT\)](#)
- [EIP 1193: Ethereum Provider JavaScript API \(DRAFT\)](#)
- [EIP 1474: Remote Procedure Call \(RPC\) specification \(DRAFT\)](#)
- [EIP 1559: Fee market change for ETH 1.0 chain](#)
- [EIP 1767: GraphQL interface to Ethereum node data \(DRAFT\)](#)
- [EIP 1803: ERC-NN Rename opcodes for clarity \(DRAFT\)](#)
- [EIP 1820: Pseudo-introspection Registry Contract](#)
- [EIP 1884: Repricing for trie-size-dependent opcodes](#)
- [EIP 1898: ERC-NN Add `blockHash` to JSON-RPC methods which accept a default block parameter \(DRAFT\)](#)
- [EIP 2718: Typed Transaction Envelope](#)
- [EIP 2929: Gas cost increases for state access opcodes](#)
- [EIP 2930: Optional access lists](#)
- [Ethereum: Solidity Language Specification](#)
- [Ethereum: Ethereum Virtual Machine \(EVM\)](#)
- [Ethereum: Remix Project](#)
- [Ethereum: Truffle Suite](#)
  - [Tool: Drizzle](#)
  - [Tool: Genache](#)
  - [Tool: Truffle](#)

- [GIT \(Revision Control\)](#)
- [Google](#)
  - [Google: Android](#)
  - [Google: Go \(software language\)](#)
  - [Google: gRPC](#)
  - [Google: Protocol Buffers](#)
- [IOTA](#)
- [InterPlanetary File System \(IPFS\)](#)
- [Jenkins \(Continuous Delivery\)](#)
- [Jira \(Bug tracking system\)](#)
- [Linux Foundation](#)
  - [ISO/IEC The Linux Standard Base 5 Specification Series \(LSB 5\)](#)
  - [Kubernetes](#)
  - [Linux Foundation: Hyperledger](#)
  - [Linux Foundation: OpenJS Foundation](#)
  - [Linux Foundation: Open Messaging](#)
  - [Linux Foundation: Open Middleware Agnostic Messaging API \(OpenMAMA\)](#)
  - [Node.js](#)
- [Microsoft](#)
  - [Microsoft: Visual Studio Code \(VS Code\)](#)
  - [Microsoft: Windows API](#)
  - [Open Database Connectivity \(ODBC\)](#)
- [Open Data Commons](#)
  - [Open Data Common Licenses](#)
    - [Open Data Commons Attribution License \(ODC-By\) v1.0](#)
    - [Open Data Commons Open Database License \(ODbL\)](#)
    - [Open Data Commons Public Domain Dedication and License \(PDDL\)](#)
  - [Open Data Common Resources and Tools](#)
    - [Frequently Asked Questions \(FAQ\)](#)
    - [Licenses API](#)
    - [Licenses Frequently Asked Questions \(FAQ\)](#)
    - [Open Data Handbook](#)
    - [Open Definition v2.1](#)
- [Open Government Data \(The Book\)](#)
  - [Open Government Definition](#)
  - [Open Knowledge Definition](#)
- [Oracle](#)
  - [Oracle: Java logger API](#)
  - [Oracle: The Java® Language Specification SE 8 Edition](#)
  - [Oracle: The Java® Virtual Machine Specification JVM](#)
- [Participating in Open Source Communities](#)
- [Talk Openly Develop Openly \(TODO\)](#)
  - [TODO: Building leadership in an open source community](#)
  - [TODO: How to create an open source program](#)
  - [TODO: Improve your open source development impact](#)
  - [TODO: Measuring your open source program's success](#)

- [TODO: Participating in open source communities](#)
- [TODO: Recruiting open source developers](#)
- [TODO: Setting an Open Source Strategy](#)
- [TODO: Shutting down an open source project](#)
- [TODO: Starting an open source project](#)
- [TODO: Tools for managing open source programs](#)
- [TODO: Using open source code](#)
- [ZeroMQ Distributed Messaging](#)
- [ZeroMQ Message Transport Protocol \(ZMQ\)](#)
- [Technical Standards Bodies](#)
  - [Apache Software Foundation \(ASF\)](#)
    - [Apache License, Version 2.0 \(Apache-2.0\)](#)
  - [ECMA International](#)
    - [ECMA: Standard ECMA-262 - ECMAScript® 2018 Language Specification \(Javascript\)](#)
    - [ECMA: Standard ECMA-334 - C# Language Specification](#)
    - [ECMA: Standard ECMA-335 - Common Language Infrastructure \(CLI\)](#)
    - [ECMA: Technical Report TR/84 - Common Language Infrastructure \(CLI\) - Information Derived from Partition IV XML File](#)
    - [ECMA: Technical Report TR/89 - Common Language Infrastructure \(CLI\) - Common Generics](#)
  - [International Electrotechnical Commission \(IEC\)](#)
    - [IEC 62541-001 OPC Unified Architecture - Part 1: Overview and concepts](#)
    - [IEC 62541-002 OPC Unified Architecture - Part 2: Security Model](#)
    - [IEC 62541-003 OPC Unified Architecture - Part 3: Address Space Model](#)
    - [IEC 62541-004 OPC Unified Architecture - Part 4: Services](#)
    - [IEC 62541-005 OPC Unified Architecture - Part 5: Information Model](#)
    - [IEC 62541-006 OPC Unified Architecture - Part 6: Mappings](#)
    - [IEC 62541-007 OPC Unified Architecture - Part 7: Profiles](#)
    - [IEC 62541-008 OPC Unified Architecture - Part 8: Data Access](#)
    - [IEC 62541-009 OPC Unified Architecture - Part 9: Alarms and Conditions](#)
    - [IEC 62541-010 OPC Unified Architecture - Part 10: Programs](#)
    - [IEC 62541-011 OPC Unified Architecture - Part 11: Historical Access](#)
    - [IEC 62541-012 OPC Unified Architecture - Part 12: Discovery and global](#)
    - [IEC 62541-013 OPC Unified Architecture - Part 13: Aggregates](#)
    - [IEC 62541-014 OPC Unified Architecture - Part 14: PubSub](#)
    - [IEC 62541-100 OPC Unified Architecture - Part 100: Device Interface](#)
  - [Institute of Electrical and Electronics Engineers \(IEEE\)](#)

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- IEEE 802.1Q-2018 - Local and Metropolitan Area Networks—Bridges and Bridged Networks
- IEEE 1003.1-2017 - IEEE Standard for Information Technology-- Portable Operating System Interface (POSIX(R)) Base Specifications
- IEEE 1588-2019 - Standard for a Precision Clock Synchronization Protocol for Networked Measurement and Control Systems
- Internet Engineering Task Force (IETF)
  - RFC0147 - The Definition of a Socket
  - RFC0768 - User Datagram Protocol (UDP)
  - RFC0791 - Internet Protocol (IPv4)
  - RFC0793 - Transmission Control Protocol
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  - RFC1035 - Domain Names - Implementation and Specification
  - RFC1112 - Host Extensions for IP Multicasting
  - RFC1777 - Lightweight Directory Access Protocol (LDAP)
  - RFC1831 - Remote Procedure Call Protocol Specification Version 2 (RPC)
  - RFC2026 - The Internet Standards Process
  - RFC2104 - Keyed-Hashing for Message Authentication (HMAC)
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  - RFC2246 - The TLS Protocol
  - RFC2315 - Cryptographic Message Syntax
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  - RFC4960 - Stream Control Transmission Protocol
  - RFC5011 - Automated Updates of DNS Security (DNSSEC) Trust Anchors
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  - RFC5424 - The Syslog Protocol (SYSLOG)
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  - RFC6376 - DomainKeys Identified Mail (DKIM) Signatures
  - RFC6455 - The WebSocket Protocol
  - RFC6749 - The OAuth 2.0 Authorization Framework
  - RFC6750 - The OAuth 2.0 Authorization Framework: Bearer Token Usage

- [RFC6891 - Extension Mechanisms for DNS \(EDNS\(0\)\)](#)
- [RFC6979 - Deterministic Usage of the Digital Signature Algorithm \(DSA\) and Elliptic Curve Digital Signature Algorithm \(ECDSA\)](#)
- [RFC7011 - IP Protocol Specification \(IPFIX\)](#)
- [RFC7061 - eXtensible Access Control Markup Language \(XACML\) XML Media Type](#)
- [RFC7235 - Hypertext Transfer Protocol \(HTTP/1.1\): Authentication](#)
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  - [ISO/IEC 7816 Integrated Circuit Card Family of Specifications](#)
  - [ISO/IEC 7816-01 Identification cards — Integrated circuit cards — Part 1: Cards with contacts — Physical characteristics](#)
  - [ISO/IEC 7816-02 Identification cards — Integrated circuit cards — Part 2: Cards with contacts — Dimensions and location of the contacts](#)
  - [ISO/IEC 7816-03 Identification cards — Integrated circuit cards — Part 3: Cards with contacts — Electrical interface and transmission protocols](#)
  - [ISO/IEC 7816-04 Identification cards — Integrated circuit cards — Part 4: Organization, security and commands for interchange](#)
  - [ISO/IEC 7816-05 Identification cards — Integrated circuit cards — Part 5: Registration of application providers](#)
  - [ISO/IEC 7816-06 Identification cards — Integrated circuit cards — Part 6: Interindustry data elements for interchange](#)
  - [ISO/IEC 7816-07 Identification cards — Integrated circuit\(s\) cards with contacts — Part 7: Interindustry commands for Structured Card Query Language \(SCQL\)](#)
  - [ISO/IEC 7816-08 Identification cards — Integrated circuit cards — Part 8: Commands and mechanisms for security operations](#)
  - [ISO/IEC 7816-09 Identification cards — Integrated circuit cards — Part 9: Commands for card management](#)
  - [ISO/IEC 7816-10 Identification cards — Integrated circuit\(s\)](#)

- cards with contacts — Part 10: Electronic signals and answer to reset for synchronous cards
- ISO/IEC 7816-11 Identification cards — Integrated circuit cards — Part 11: Personal verification through biometric methods
- ISO/IEC 7816-12 Identification cards - Integrated circuit cards — Part 12: Cards with contacts — USB electrical interface and operating procedures
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- ISO/IEC 19506:2012 Architecture-Driven Modernization (ADM) - Knowledge Discovery Meta-Model (KDM)
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- [ISO 8601-2:2019 Date and time -- Representations for information interchange -- Part 2: Extensions: Basic rules](#)
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  - [ITU-T Y.2060 - Overview of the Internet of things](#)
- [National Institute of Standards and Technology \(NIST\)](#)
  - [NIST: FIPS PUB 186-4: Digital Signature Standard \(DSS\)](#)
  - [NIST: SP 800-34E Recommendation for Block Cipher Modes of Operation: the XTS-AES Mode for Confidentiality on Storage Devices](#)
  - [NIST: SP 800-89: Recommendation for Obtaining Assurances for Digital Signature Applications](#)
  - [NIST: SP 800-126: The Technical Specification for the Security Content Automation Protocol \(SCAP\)](#)
  - [NIST: SP 800-207: Zero Trust Architecture \(ZTA\)](#)
- [Organization for the Advancement of Structured Information](#)

## Standards (OASIS)

- OASIS: Assertions and Protocols for the OASIS Security Assertion Markup Language (SAML)
- OASIS: eXtensible Access Control Markup Language (XACML)
- OASIS: Message Queuing Telemetry Transport (MQTT)
- Object Management Group (OMG)
  - OMG: Automated Source Code CISQ Maintainability Measure (ASCMM)
  - OMG: Automated Source Code CISQ Measures (ASCQM)
  - OMG: Automated Source Code CISQ Performance Efficiency Measure (ASCPEM)
  - OMG: Automated Source Code CISQ Reliability Measure (ASCRM)
  - OMG: Automated Source Code CISQ Security Measure (ASCSM)
  - OMG: Business Motivation Model (BMM)
  - OMG: Business Process Model And Notation (BPMN)
  - OMG: Case Management Model and Notation (CMMN)
  - OMG: CISQ Automated Enhancement Points (AEP)
  - OMG: CISQ Automated Function Points (AFP)
  - OMG: CISQ Automated Technical Debt Measure (ATDM)
  - OMG: Common Warehouse Metamodel (CWM)
  - OMG: Data Distribution Service (DDS)
  - OMG: DDS Consolidated XML Syntax (DDS-XML)
  - OMG: DDS For Extremely Resource Constrained Environments (DDS-XRCE)
  - OMG: DDS Interoperability Wire Protocol (DDSI-RTPS)
  - OMG: DDS Security (DDS-SECURITY)
  - OMG: Distributed Ontology, Model, and Specification Language (DOL)
  - OMG: Extensible and Dynamic Topic Types for DDS (DDS-XTypes)
  - OMG: Financial Industry Business Ontology (FIBO)
  - OMG: Financial Instrument Global Identifier (FIGI)
  - OMG: Information Exchange Framework (IEF)
  - OMG: Interface Definition Language (IDL)
  - OMG: ISO/IEC C++ 2003 Language DDS PSM (DDS-PSM-Cxx)
  - OMG: Java 5 Language PSM for DDS (DDS-Java)
  - OMG: Meta Object Facility (MOF)
  - OMG: Ontology Definition Metamodel (ODM)
  - OMG: OPC-UA/DDS Gateway (DDS-OPCUA)
  - OMG: RPC Over DDS (DDS-RPC)
  - OMG: Semantics Of Business Vocabulary and Rules (SBVR)
  - OMG: Structured Assurance Case Metamodel (SACM)
  - OMG: Structured Metrics Metamodel (SMM)
  - OMG: Systems Modeling Language (SysML)
  - OMG: Test Information Interchange Format (TestIF)
  - OMG: Unified Architecture Framework (UAF)
  - OMG: Unified Modeling LanguageTitle (UML)

- [OMG: Web-Enabled DDS \(DDS-WEB\)](#)
- [OMG: XML Metadata Interchange \(XMI\)](#)
- [Open Source Initiative \(OSI\)](#)
  - [OSI: Common Public License, Version 1.0 \(CPL-1.0\)](#)
  - [OSI: Eclipse Public License Version 2.0 \(EPL-2.0\)](#)
  - [OSI: GNU General Public License version 3 \(GPL-3.0\)](#)
  - [OSI: GNU Lesser General Public License version 2.1 \(LGPL-2.1\)](#)
  - [OSI: GNU Library General Public License version 2 \(LGPL-2.0\)](#)
  - [OSI: Mozilla Public License \(MPL-2.0\)](#)
  - [OSI: The 2-Clause BSD License \(BSD-2-Clause\)](#)
  - [OSI: The 3-Clause BSD License \(BSD-3-Clause\)](#)
  - [OSI: The MIT License \(MIT\)](#)
- [World Wide Web Consortium \(W3C\)](#)
  - [W3C: Cascading Style Sheets Level 2 Revision 2 \(CSS 2.2\) Specification](#)
  - [W3C: Decentralized Identifiers \(DIDs\) 1.0](#)
  - [W3C: Document Object Model \(DOM\) Level 3 Core Specification](#)
  - [W3C: Extensible Markup Language \(XML\) 1.0 \(Fifth Edition\)](#)
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  - [W3C: RDF 1.1 Terse RDF Triple Language \(Turtle\)](#)
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  - [W3C: XML Path Language \(XPath\) 3.1](#)
  - [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 1: Structures](#)
  - [W3C: XML Schema Definition Language \(XSD\) 1.1 Part 2: Datatypes](#)
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  - [Apstra](#)
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  - [Azure Sphere OS](#)
  - [balenaOS](#)

- Blackberry QNX
- CentOS
- Chromium OS
- Cisco Digital Network Architecture (Cisco DNA)
- Cisco Internetwork Operating System (IOS)
- Cisco IOS XR
- Cisco NX-OS
- ClearOS
- CloudReady
- ExtremeXOS
- FreeBSD
- FreeRTOS
- IBM i
- iOS
- Junos operating system (Junos OS)
- LynxOS RTOS
- MacOS
- Nokia X Software Platform
- Open Network Linux
- OpenServer
- Oracle Linux (OL)
- Oracle Solaris
- Red Hat Enterprise Linux (RHEL)
- SANtricity Software Operating System (OS)
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- SUSE Linux Enterprise Server (SLES)
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- Windows NT
- Windows Server
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- Webpage: ANWAR
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  - Webpage: HRYIUK
  - Webpage: SAINI
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