

# Combined DIDO

- Reference Architecture (RA)
- Front Matter
- a. Cover Page
- OMG Discussion Paper Disclaimer
- b. Change Log
- c. Abstract
- d. Copyright Notice
- f. Preface
- 1 Introduction
- 1.1 Problem
- 1.2 Purpose
- 1.3 Content Organization
- 2 Architectural Views
- 2.1 Stakeholder Views
- 2.1.1 Platform View
- 2.1.2 Domain View
- 2.1.3 Ecosystem View
- 2.1.4 Ecosphere View
- 2.1.5 Exchange View
- 2.1.6 Enterprise View
- 2.1.7 Relevant Community Standards
- 2.2 Technical Views
- 2.2.1 Fundamental Views
- 2.2.1.4 System of Systems (SoS)
- 2.2.1.6 Open Source Paradigm
- 2.2.1.3 Case Management
- 2.2.1.7 Assurance
- 2.2.1.5 Quality
- 2.2.1.1 Interfaces
- 2.2.1.1.1 Platform Interface
- 2.2.1.1.2 Software Interfaces
- 2.2.1.1.3 Human Interfaces
- 2.2.1.2 Tools
- 2.2.1.2.1 Logging
- 2.2.1.2.2 Semantic Web
- 2.2.1.2.3 Open Source Communities
- 2.2.2 Node Network View
- 2.2.2.1 Network View
- 2.2.2.1.1 Secure Messaging
- 2.2.2.1.2 Transport
- 2.2.2.1.3 Security
- 2.2.2.1.4 Protocol
- 2.2.2.1.5 Distribution Software
- 2.2.2.2 Node View

- 2.2.2.2.1 Operating System (OS)
- 2.2.2.2.2 Operating Environment
- 2.2.2.2.3 DIDO Platform
- 2.2.2.2.4 Distributed Applications
- 2.2.2.3 Node Architecture
  - 2.2.2.3.1 Immutable Data Objects
    - 2.2.2.3.1.1 Ledger
    - 2.2.2.3.1.2 Transactions
    - 2.2.2.3.1.3 Identities
    - 2.2.2.3.1.4 Wallets
  - 2.2.2.3.2 Ancillary Data
    - 2.2.2.3.2.1 Journal
    - 2.2.2.3.2.2 Transforms
    - 2.2.2.3.2.3 Distributed Applications
    - 2.2.2.3.2.4 Web Applications
    - 2.2.2.3.2.5 Exchanges
  - 2.2.2.3.3 Semantic Web
  - 2.2.2.3.4 Software
- 2.2.2.4 Messaging View
- 2.3 Taxonomic Views
  - 2.3.1 Network Topology Taxonomy
    - 2.3.1.1 Centralized Network Topology
    - 2.3.1.2 Decentralized Network Topology
    - 2.3.1.3 Distributed Network Topology
    - 2.3.1.4 Relevant Networking Standards
  - 2.3.2 Network Access Control Taxonomy
    - 2.3.2.1 Permissionless Networks
    - 2.3.2.2 Permissioned Networks
    - 2.3.2.3 Public Networks
    - 2.3.2.4 Private Networks
    - 2.3.2.5 Hybrid Networks
  - 2.3.3 Node Taxonomy
    - 2.3.3.1 Full Node
      - 2.3.3.1.1 Pruned Node
      - 2.3.3.1.2 Archival Node
        - 2.3.3.1.2.1 Authority Node
        - 2.3.3.1.2.2 Staking Node
        - 2.3.3.1.2.3 Mining Node
        - 2.3.3.1.2.4 Masternode
    - 2.3.3.2 Lightweight Node (Wallet)
    - 2.3.3.3 Lightning Node
    - 2.3.3.4 Permanode
  - 2.3.4 Data Taxonomy
    - 2.3.4.3.1 Ledger Data
    - 2.3.4.3.2 Ancillary Data
    - 2.3.4.3.3 External Data
- 3 Governance

- 3.1 DIDO Communities
  - 3.1.1 Stakeholder Communities
  - 3.1.2 Software Communities
- 3.2 Legal Documents
  - 3.2.1 Charter
  - 3.2.2 Bylaws
  - 3.2.3 Policies and Procedures (P&P)
- 3.3 Guides
- Appendix A: Glossary of Terms Related to DIDO
- Glossary A Terms
- Application
- Application Programming Interface (API)
- Application Specific Integrated Circuit (ASIC)
- Assurance
- Authorization
- Glossary B Terms
- Bitcoin Wallet
- Block Producers
- Block Validators
- Blockchain
- Blockchain Network
- Brownfield
- Bylaws
- Byzantine Fault Tolerance (BFT)
- Byzantine Generals Problem
- Glossary C Terms
- Central Processing Unit (CPU)
- Charter
- Coins
- Command Line Interface (CLI)
- Common Intermediate Language (CIL)
- Common Language Runtime (CLR)
- Communication Protocol
- Community of Interest (CoI)
- Configuration Management (CM)
- Consensus Algorithm
- Copyleft
- Glossary D Terms
- Data as a Service (DaaS)
- DataBase Management System (DBMS)
- Data Distribution Service (DDS)
- Data Model (DM)
- Data Protection
- Datastore
- de facto Standards Bodies
- Delegated Byzantine Fault Tolerant (dBFT)
- Delegated Proof of Stake (DPoS)
- Department of Defense (DoD)

- [Directed Acyclic Graph \(DAG\)](#)
- [Disconnected, Intermittent and Limited \(DIL\)](#)
- [Distributed Application \(DApp or DApp\)](#)
- [Distributed Immutable Data Objects \(DIDO\)](#)
- [Distributed Ledger Technology \(DLT\)](#)
- [Domain Name System \(DNS\)](#)
- [Glossary E Terms](#)
- [Elastic Compute Cloud \(EC2\)](#)
- [Endianness](#)
- [Ethereum Improvement Proposal \(EIP\)](#)
- [Ethereum Request for Comment \(ERC\)](#)
- [Glossary F Terms](#)
- [Fifty-One Percent \(51% Attack\)](#)
- [Financial Instrument Global Identifier \(FIGI\)](#)
- [FIGI Symbology](#)
- [Full Node](#)
- [Fungible](#)
- [Glossary G Terms](#)
- [General Data Protection Regulation \(GDPR\)](#)
- [Google Mobile Services \(GMS\)](#)
- [Graphical User Interface \(GUI\)](#)
- [Graphics Processing Unit \(GPU\)](#)
- [Greenfield](#)
- [Glossary H Terms](#)
- [Hard Fork](#)
- [Health Insurance Portability and Accountability Act \(HIPAA\)](#)
- [Hybrid Network](#)
- [Hype-Cycle](#)
- [Glossary I Terms](#)
- [Identification](#)
- [Immutable](#)
- [Industrial Internet of Things \(IIoT\)](#)
- [Information Assurance \(IA\)](#)
- [Information Security \(IS/InfoSec\)](#)
- [Information Technology \(IT\)](#)
- [Infrastructure-as-a-Service \(IaaS\)](#)
- [Initial Coin Offering \(ICO\)](#)
- [Intellectual Property \(IP\)](#)
- [Interface](#)
- [Internet of Things \(IOT\)](#)
- [Internet Protocol \(IP\)](#)
- [Glossary J Terms](#)
- [Just-In-Time \(JIT\)](#)
- [Glossary K Terms](#)
- [Know Your Customer \(KYC\)](#)
- [Glossary L Terms](#)
- [Ledger](#)

- License Distribution
- License Linking
- License Modification
- License Patent Grant
- License Private Use
- Licensing Sublicensing
- Licensing Trademark Grant
- Lightning Network
- Light Node
- Glossary M Terms
- Maintainability Measure
- Message Queue(MQ)
- Micropayment Channel
- Miner Node
- Mission Assurance (MA)
- Multi-Signature (multisig)
- Glossary N Terms
- Network Traffic Analyzer
- Node
- Node Network
- Glossary O Terms
- Open Source Software (OSS)
- Operating System (OS)
- Operational transformation (OT)
- Oracle
- Glossary P Terms
- Parliamentary Authority
- Payment Channel
- Pedigree
- Peer-to-Peer (P2P)
- Performance Efficiency Measure
- Permissioned Networks
- Permissionless Networks
- Permissive Open Source Software
- Platform-as-a-Service (PaaS)
- Platform Independent Model (PIM)
- Platform Specific Model (PSM)
- Policy
- Principle
- principles
- Private Network
- Procedure
- Proof of Authority (PoA)
- Proof of Stake (PoS)
- Proof of Work (PoW)
- Provenance
- Public Network
- Glossary Q Terms

- [Glossary R Terms](#)
- [Reference Architecture \(RA\)](#)
- [Registered Agent](#)
- [Relational DataBase Management System \(RDBMS\)](#)
- [Reliability Measure](#)
- [Representational State Transfer \(REST\)](#)
- [Request For Comment \(RFC\)](#)
- [Request For Information \(RFI\)](#)
- [Request For Proposal \(RFP\)](#)
- [RESTful API](#)
- [Rich Site Summary \(RSS\)](#)
- [Risk](#)
- [Glossary S Terms](#)
- [Safety Assurance \(SfA\)](#)
- [Salami Slicing](#)
- [Sarbanes-Oxley Act \(SOX\)](#)
- [Security Measure](#)
- [Semantic Web](#)
- [Simple Payment Verification \(SPV\)](#)
- [smart\\_contracts](#)
- [Snapshot](#)
- [Soft Fork](#)
- [Software as a Service \(SaaS\)](#)
- [Software Assurance \(SwA\)](#)
- [Special Interest Group \(SIG\)](#)
- [Special Rules](#)
- [Stakeholder](#)
- [Standards Developing Organization \(SDO\)](#)
- [standards\\_organization](#)
- [Standing Rules](#)
- [Statute](#)
- [Straight-through Processing \(StP\)](#)
- [System Assurance \(SysA\)](#)
- [Systems and software Quality Requirements and Evaluation \(SQuaRE\)](#)
- [Glossary T Terms](#)
- [Tangle](#)
- [Taxonomy](#)
- [Technical Standard](#)
- [Tokens](#)
- [Transmission Control Protocol \(TCP\)](#)
- [Glossary U Terms](#)
- [Unified Modeling Language \(UML\)](#)
- [UNIX](#)
- [Glossary V Terms](#)
- [Virtual Machine \(VM\)](#)
- [Glossary W Terms](#)
- [Weight of Network](#)

- [Glossary X Terms](#)
- [Glossary Y Terms](#)
- [Glossary Z Terms](#)
- [Appendix B: Standards Organizations](#)
- [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](#)
- [Institute of Electrical and Electronics Engineers \(IEEE\)](#)
- [IEEE 1003.1-2017 - IEEE Standard for Information Technology--Portable Operating System Interface \(POSIX\(R\)\) Base Specifications](#)
- [Internet Engineering Task Force \(IETF\)](#)
- [RFC0147 - The Definition of a Socket](#)
- [RFC0768 - User Datagram Protocol \(UDP\)](#)
- [RFC0791 - Internet Protocol \(IPv4\)](#)
- [RFC0793 - Transmission Control Protocol](#)
- [RFC1034 - Domain Names - Concepts and Facilities](#)
- [RFC1035 - Domain Names - Implementation and Specification](#)
- [RFC1112 - Host Extensions for IP Multicasting](#)
- [RFC1831 - Remote Procedure Call Protocol Specification Version 2 \(RPC\)](#)
- [RFC2104 - Keyed-Hashing for Message Authentication \(HMAC\)](#)
- [RFC2246 - The TLS Protocol](#)
- [RFC2315 - Cryptographic Message Syntax](#)
- [RFC2426 - vCard MIME Directory Profile](#)
- [RFC2460 - Internet Protocol, Version 6 \(IPv6\) Specification](#)
- [RFC2818 - HTTP Over TLS \(HTTPS\)](#)
- [RFC3339 - Date and Time on the Internet: Timestamps](#)
- [RFC3447 - PKCS #1: RSA Cryptography Specifications](#)
- [RFC3596 - DNS Extension to support IP Version 6](#)
- [RFC4122 - A Universally Unique Identifier \(UUID\) URN Namespace](#)
- [RFC5011 - Automated Updates of DNS Security \(DNSSEC\) Trust Anchors](#)
- [RFC5424 - The Syslog Protocol \(SYSLOG\)](#)
- [RFC6101 - The Secure Sockets Layer \(SSL\) Protocol Version 3.0](#)
- [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 \(ECDSA\)](#)
- [RFC7061 - eXtensible Access Control Markup Language \(XACML\) XML Media Type](#)
- [RFC7235 - Hypertext Transfer Protocol \(HTTP/1.1\): Authentication](#)

- [RFC8259 - The JavaScript Object Notation \(JSON\) Data Interchange Format](#)
- [International Organization for Standardization \(ISO\)](#)
- [ISO/IEC 19506:2012 Architecture-Driven Modernization \(ADM\) -- Knowledge Discovery Meta-Model \(KDM\)](#)
- [ISO/IEC 23360-1:2006 Linux Standard Base \(LSB\) core specification 3.1 -- Part 1: Generic specification](#)
- [ISO 9001:2015 Quality management](#)
- [ISO/IEC/IEEE 90003:2018 Software engineering - Guidelines for the application of ISO 9001:2015 to computer software](#)
- [ISO/IEC/IEEE 25000:2014 SQuaRE -- Guide to SQuaRE](#)
- [ISO/IEC 25001:2014 SQuaRE -- Planning and Management](#)
- [ISO/IEC 25010:2011 SQuaRE -- System and Software Quality Models](#)
- [ISO/IEC 25012:2008 SQuaRE -- Data Quality Model](#)
- [ISO/IEC 25020:2007 SQuaRE -- Measurement Reference Model and Guide](#)
- [ISO/IEC 25021:2012 SQuaRE -- Quality Measure Elements](#)
- [ISO/IEC 25022:2016 SQuaRE -- Measurement of Quality in Use](#)
- [ISO/IEC 25023:2016 SQuaRE -- Measurement of System and Software Product Quality](#)
- [ISO/IEC 25024:2015 SQuaRE -- Measurement of Data Quality](#)
- [ISO/IEC 25030:2007 SQuaRE -- Quality Requirements](#)
- [ISO/IEC 25040:2011 SQuaRE -- Evaluation Process](#)
- [ISO/IEC 25041:2012 SQuaRE -- Evaluation Guide for Developers, Acquirers and Independent Evaluators](#)
- [ISO/IEC 25045:2010 SQuaRE -- Evaluation Module for Recoverability](#)
- [ISO/IEC 9899:2018 Programming languages -- C](#)
- [ISO/IEC 14882:2017 Programming languages -- C++](#)
- [ISO/IEC 22275:2018 Programming Languages - ECMAScript Specification Suite](#)
- [ISO 8601-1:2019 Date and time -- Representations for information interchange -- Part 1: Basic rules](#)
- [ISO 8601-2:2019 Date and time -- Representations for information interchange -- Part 2: Extensions: Basic rules](#)
- [ISO/IEC/IEEE 15288:2015 Systems and software engineering -- System life cycle processes](#)
- [ISO/IEC 9834-8:2014 Information technology -- Procedures for the operation of object identifier registration authorities -- Part 8: Generation of universally unique identifiers \(UUIDs\) and their use in object identifiers](#)
- [International Telecommunications Union \(ITU\)](#)
- [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 800-89: Recommendation for Obtaining Assurances for Digital Signature Applications](#)
- [NIST: SP 800-126: The Technical Specification for the Security Content Automation Protocol \(SCAP\)](#)
- [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 \(XACML\)](#)
- [Object Management Group \(OMG\)](#)
- [OMG: Automated Source Code CISQ Measures \(ASCQM\)](#)
- [OMG: Automated Source Code CISQ Maintainability Measure \(ASCMM\)](#)
- [OMG: Automated Source Code CISQ Security Measure \(ASCSM\)](#)
- [OMG: Automated Source Code CISQ Performance Efficiency Measure \(ASCPem\)](#)

- OMG: Automated Source Code CISQ Reliability Measure (ASCRM)
- OMG: CISQ Automated Enhancement Points (AEP)
- OMG: CISQ Automated Function Points (AFP)
- OMG: CISQ Automated Technical Debt Measure (ATDM)
- OMG: Case Management Model and Notation (CMMN)
- OMG: Data Distribution Service (DDS)
- OMG: DDS Interoperability Wire Protocol (DDSI-RTPS)
- OMG: ISO/IEC C++ 2003 Language DDS PSM (DDS-PSM-Cxx)
- OMG: Java 5 Language PSM for DDS (DDS-Java)
- OMG: OPC-UA/DDS Gateway (DDS-OPCUA)
- OMG: RPC Over DDS (DDS-RPC)
- OMG: DDS Security (DDS-SECURITY)
- OMG: Web-Enabled DDS (DDS-WEB)
- OMG: DDS Consolidated XML Syntax (DDS-XML)
- OMG: DDS For Extremely Resource Constrained Environments (DDS-XRCE)
- OMG: Extensible and Dynamic Topic Types for DDS (DDS-XTypes)
- OMG: Interface Definition Language (IDL)
- OMG: Ontology Definition Metamodel (ODM)
- 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: Unified Architecture Framework (UAF)
- Open Source Initiative (OSI)
- OSI: The 2-Clause BSD License (BSD-2-Clause)
- OSI: The 3-Clause BSD License (BSD-3-Clause)
- OSI: GNU Library General Public License version 2 (LGPL-2.0)
- OSI: GNU Lesser General Public License version 2.1 (LGPL-2.1)
- OSI: GNU General Public License version 3 (GPL-3.0)
- OSI: The MIT License (MIT)
- OSI: Common Public License, Version 1.0 (CPL-1.0)
- OSI: Eclipse Public License Version 2.0 (EPL-2.0)
- OSI: Mozilla Public License (MPL-2.0)
- 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: HTML5 (HTML5)
- W3C: OWL 2 Web Ontology Language - Structural Specification and Functional-Style Syntax (second Edition)
- W3C: RDF 1.1 Concepts and Abstract Syntax (RDF)
- W3C: RDF 1.1 Terse RDF Triple Language (Turtle)
- W3C: SPARQL 1.1 Overview (SPARQL)
- W3C: Extensible Markup Language (XML) 1.0 (Fifth Edition)
- W3C: XML Schema Definition Language (XSD) 1.1 Part 1: Structures
- W3C: XML Schema Definition Language (XSD) 1.1 Part 2: Datatypes
- W3C: XSL Transformations (XSLT) Version 3.0
- W3C: XML Path Language (XPath) 3.1

- [de facto Standards Bodies](#)
- [Amazon](#)
- [Apache Software Foundation \(ASF\)](#)
- [Apache: Log4j](#)
- [Apache: Log4cxx](#)
- [Apache: log4php](#)
- [Apache: log4net](#)
- [Apache: log4jscala](#)
- [Apple](#)
- [Apple: Darwin](#)
- [Apple: iOS](#)
- [Apple: MacOS](#)
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- [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: 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 0021 - URI Scheme](#)
- [BIP 0022 - getblocktemplate - Fundamentals](#)
- [BIP 0023 - getblocktemplate - Pooled Mining](#)
- [BIP 0031 - Pong message](#)
- [BIP 0035 - mempool message](#)
- [BIP 0037 - Connection Bloom filtering](#)
- [BIP 0061 - Reject P2P message](#)
- [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 0137 - Signatures of Messages using Private Keys](#)
- [BIP 0144 - Segregated Witness \(Peer Services\)](#)
- [BIP 0145 - getblocktemplate Updates for Segregated Witness](#)
- [BIP 0016 - Pay to Script Hash \(soft fork\)](#)
- [BIP 0030 - Duplicate transactions \(soft fork\)](#)
- [BIP 0034 - Block v2, Height in Coinbase \(soft fork\)](#)
- [BIP 0042 - A finite monetary supply for Bitcoin \(soft fork\)](#)
- [BIP 0065 - OP\\_CHECKLOCKTIMEVERIFY \(soft fork\)](#)
- [BIP 0068 - Relative lock-time using consensus-enforced sequence numbers \(soft fork\)](#)

- 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 0141 - Segregated Witness (Consensus layer) (soft fork)
- BIP 0143 - Transaction Signature Verification for Version 0 Witness Program (soft fork)
- BIP 0147 - Dealing with dummy stack element malleability (soft fork)
- BIP 0148 - Mandatory activation of segwit deployment (soft fork)
- Consortium for Information & Software Quality (CISQ)
- Ethereum
- ethereum\_solidity
- ethereum\_vm
- Ethereum: Ethereum Improvement Proposals (EIPs)
- EIP 20: ERC-20 Token Standard
- EIP 55: Mixed-case checksum address encoding
- EIP 137: Ethereum Domain Name Service - Specification
- EIP 141: Designated invalid EVM instruction
- 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 721: ERC-721 Non-Fungible Token Standard
- EIP 777: ERC-777 Token Standard
- EIP 1167: Minimal Proxy Contract
- EIP 1820: Pseudo-introspection Registry Contract
- EIP 107: safe "eth\_sendTransaction" authorization via html popup (DRAFT)
- 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 758: ERC-NN Subscriptions and filters for completed transactions (DRAFT)
- EIP 1102: Opt-in account exposure (DRAFT)
- 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 1767: GraphQL interface to Ethereum node data (DRAFT)
- EIP 1803: ERC-NN Rename opcodes for clarity (DRAFT)
- EIP 1898: ERC-NN Add `blockHash` to JSON-RPC methods which accept a default block parameter (DRAFT)
- 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](#)
- [Google](#)
- [Google: Android](#)
- [Google: Go \(software language\)](#)
- [Google: gRPC](#)
- [Google: Protocol Buffers](#)
- [IOTA](#)
- [Linux Foundation](#)
- [Linux Foundation: Hyperledger](#)
- [Linux Foundation: OpenJS Foundation](#)
- [Kubernetes](#)
- [Node.js](#)
- [Linux Foundation: Open Middleware Agnostic Messaging API \(OpenMAMA\)](#)
- [Linux Foundation: Open Messaging](#)
- [ISO/IEC The Linux Standard Base 5 Specification Series \(LSB 5\)](#)
- [Microsoft](#)
- [Microsoft: Windows API](#)
- [Oracle](#)
- [Oracle: The Java® Language Specification SE 8 Edition](#)
- [Oracle: The Java® Virtual Machine Specification JVM](#)
- [Oracle: Java logger API](#)
- [Talk Openly Develop Openly \(TODO\)](#)
- [TODO: How to create an open source program](#)
- [TODO: Measuring your open source program's success](#)
- [TODO: Tools for managing open source programs](#)
- [TODO: Using open source code](#)
- [TODO: Participating in open source communities](#)
- [TODO: Recruiting open source developers](#)
- [TODO: Starting an open source project](#)
- [TODO: Improve your open source development impact](#)
- [TODO: Shutting down an open source project](#)
- [TODO: Building leadership in an open source community](#)
- [TODO: Setting an Open Source Strategy](#)
- [GIT \(Revision Control\)](#)
- [InterPlanetary File System \(IPFS\)](#)
- [Jenkins \(Continuous Delivery\)](#)
- [Jira \(Bug tracking system\)](#)
- [Participating in Open Source Communities](#)
- [ZeroMQ Distributed Messaging](#)
- [ZeroMQ Message Transport Protocol \(ZMTP\)](#)
- [Appendix E: Tools](#)
- [Tools: Open Source Paradigm](#)
- [Tools: Source Code Scanning and License Compliance](#)
- [Tools: Bug and Issue Tracking](#)
- [Tools: Archiving and Release Management](#)
- [Tools: Tracking Project Health](#)

- [Tools: Code Reviews](#)
- [Tools: Contributor License Agreements \(CLA\)](#)
- [Tools: GitHub Management at Corporate Scale](#)
- [Tools: Project Quality](#)
- [Tools: Logging Tools](#)
- [Tools: Network Traffic Analysis](#)
- [Appendix H: Acronyms](#)

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