

## e. Table of Contents

[return to Reference Architecture \(RA\)](#)

---

- 1 Introduction
  - 1.1 Problem
  - 1.2 Purpose
  - 1.3 Content Organization
- 2. 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. 2.2 Technical Views
    - 2.2.1 Fundamental Views
      - 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. 2.2.1.2 Tools
        - 2.2.1.2.1 Logging
        - 2.2.1.2.2 Semantic Web
        - 2.2.1.2.3 Open Source Communities
      - 3. 2.2.1.3 Case Management
      - 4. 2.2.1.4 System of Systems (SoS)
      - 5. 2.2.1.5 Quality
      - 6. 2.2.1.6 Open Source Paradigm
      - 7. 2.2.1.7 Assurance
    - 2. 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. 2.2.2.2 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](#)
- 3. [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. [2.2.2.3.2 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](#)
  - 3. [2.2.2.3.3 Semantic Web](#)
  - 4. [2.2.2.3.4 Software](#)
  - 4. [2.2.2.4 Messaging View](#)
- 3. [2.2.3 Decentralized Finance \(DeFi\) Layers](#)
- 3. [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. [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](#)
  - 3. [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. [2.3.3.2 Lightweight Node \(Wallet\)](#)
    - 3. [2.3.3.3 Lightning Node](#)
    - 4. [2.3.3.4 Permanode](#)
  - 5. [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. [3 Governance](#)
  - [3.1 DIDO Communities](#)
    - [3.1.1 Stakeholder Communities](#)
    - [3.1.2 Software Communities](#)
  - 2. [3.2 Legal Documents](#)

- 3.2.1 Charter
- 3.2.2 Bylaws
- 3.2.3 Policies and Procedures (P&P)
- 3. 3.3 Guides
- 4. 4 Requirements
  - 4.1 About Requirements
    - 4.1.1 Governance Requirements Model
    - 4.1.2 Cognitive Requirements Model
    - 4.1.3 Governing Roles - Combined Requirements Model
    - 4.1.4 Example of a Using the Combined Requirements Model
    - 4.1.5 The Current State of DIDO Requirements
    - 4.1.6 One Degree of Freedom Rule
    - 4.1.7 Specifying Requirements
  - 2. 4.2 Functional Requirements
    - 4.2.1 Platforms
      - 4.2.1.1 Hardware Platform
      - 4.2.1.2 Operating System Platform
      - 4.2.1.3 Runtime Platforms
      - 4.2.1.4 Network Platforms
      - 4.2.1.5 Virtualized Nodes
    - 2. 4.2.2 Access Control
  - 3. 4.3 Non-Functional Requirements
    - 4.3.1 Portability
      - 4.3.1.1 Adaptability
      - 4.3.1.2 Installability
      - 4.3.1.3 Replaceability
    - 2. 4.3.2 Reliability
      - 4.3.2.1 Maturity
      - 4.3.2.2 Availability
      - 4.3.2.3 Fault Tolerance
      - 4.3.2.4 Recoverability
    - 3. 4.3.3 Maintainability
      - 4.3.3.1 Modularity
      - 4.3.3.2 Reusability
      - 4.3.3.3 Analysability
      - 4.3.3.4 Modifiability
      - 4.3.3.5 Testability
    - 4. 4.3.4 Securability

- 4.3.4.1 Confidentiality
- 4.3.4.2 Data Integrity
- 4.3.4.3 Non-Repudiation
- 4.3.4.4 Authenticity
- 4.3.4.5 Accountability
- 5. 4.3.5 Manageability
  - 4.3.5.1 Types of Manageability Functions
  - 4.3.5.2 Manageability Costs
  - 4.3.5.3 System Manageability Issues
  - 4.3.5.4 Software Manageability Issues
- 6. 4.3.6 Usability
  - 4.3.6.1 Effectiveness Metrics
  - 4.3.6.2 Efficiency Metrics
  - 4.3.6.3 Attitude / Satisfaction Metrics
- 7. 4.3.7 Performance
  - 4.3.7.1 Platform Performance
  - 4.3.7.2 Application Performance
  - 4.3.7.3 Network Performance
- 8. 4.3.8 Interoperability
- 9. 4.3.9 Elasticity
- 10. 4.3.10 Scalability
- 4. 4.4.2.1 How to Use the Non-Functional Requirements Boilerplate
- 5. 4.4 Assessing Requirements
  - 4.4.1 Functional Requirements Assessment
  - 4.4.2 Non-functional Requirements Assessment

- [Appendix A: Glossary of Terms Related to DIDO](#)
  - [Appendix B: Standards Organizations](#)
  - [Appendix C: Hardware Architectures](#)
  - [Appendix D: Operating Systems](#)
  - [Appendix E: Tools](#)
  - [Appendix F: DDS Quality Of Service](#)
  - [Appendix G: Tests](#)
  - [Appendix H: Acronyms](#)
  - [Appendix I: Cognitive Model](#)
  - [Appendix J: Governance Model](#)
- 

- [Parking Lot](#)

☐ [\[char\]Update with new sections](#)

From:  
<https://www.omgwiki.org/dido/> - **DIDO Wiki**  
Permanent link:  
<https://www.omgwiki.org/dido/doku.php?id=dido:public:ra:0.front:4.toc>  
Last update: 2022/03/22 13:47

