https://www.linuxfoundation.org/resources/publications/software-defined-vertical-industries-2024?hsLang=en

THE LINUX FOUNDATION

C4SB FOUNDATION

C4SB FOUNDATION LANDSCAPE v1.0

Join, Contribute, or Find More Info at c4sb.org

GOVERNING BOARD

ADVISORY BOARD

OUTREACH COMMITTEE

TECHNICAL ADVISORY COMMITTEE

LEGEND: AREAS OF INTEREST | WORKING GROUP FORMING | WORKING GROUP ACTIVE

Ecosystem Working Groups

Driving Market Adoption

WHY: Establishing the Value
- TxO (C4SB INCUBATING)

WHAT: Planning Your Solution
- SMARTER STACK (C4SB INCUBATING)

HOW to Specify What to Buy
- DIV2525 (C4SB INCUBATING)
- USING ISO STANDARDS 55000, 19650 (C4SB CONSIDERING)

MARKET DEVELOPMENT: Activities to Drive Demand and Solutions
- DEMAND GEN (C4SB CONSIDERING)
- CHANNEL DEV (C4SB CONSIDERING)
- SOLUTION DEV RFP SUPPORT (C4SB CONSIDERING)
- MARKET PLACE (C4SB CONSIDERING)
- CAPITAL (C4SB CONSIDERING)

WHO: Workforce Development
- ENGAGE (C4SB CONSIDERING)
- YOUNG PROFESSIONALS FOR SMARTER BUILDINGS (C4SB INCUBATING)
- EDUCATE (C4SB CONSIDERING)
- CERTIFY (C4SB CONSIDERING)

Running Internal Operations

Organization Building
- MEMBER-SHIP (C4SB CONSIDERING)
- FUND RAISING (C4SB CONSIDERING)
- COMMUN-ICATIONS (C4SB CONSIDERING)
- EVENTS (C4SB CONSIDERING)

PROJECT STAFF

External Engagement
- EXECUTIVE ROUND TABLE (C4SB CONSIDERING)
- USER ADVISORY GROUP (C4SB CONSIDERING)
- LIAISONS TO OTHER GROUPS (C4SB CONSIDERING)

WORKING GROUP ACTIVITIES

Standards	Collect, develop, and publish open-source requirements & standards
Code	Collect, develop, and publish open-source software code
Blueprints	Collect, develop, and publish road map implementation examples
Certifications*	Develop and perform certifications for products, solutions, & people
Consulting*	And other support services to members and others

* Some activities and services will cost money and some will pay providers. TBD.
Ideas for new working groups are most welcome. Contact: info@c4sb.org

Technical Working Groups

Enabling Composable Solutions

Composable Solutions
- OPEN SPOG (C4SB CONSIDERING)
- IBB APP FORUM (C4SB CONSIDERING)

AI Analytics & Management
- AI ANALYTICS & MNGT (C4SB CONSIDERING)
- DIGITAL TWINNING (C4SB CONSIDERING)

Integrating Across the Building Lifecycle

Planning & Design
- OPEN BIM (C4SB INCUBATING)
- OGC: OPEN GIS (C4SB CONSIDERING)

Construction
- OPEN BIDDING (C4SB CONSIDERING)
- OPEN CONSTR MNGT (C4SB CONSIDERING)
- OPEN ON-SITE SUPER (C4SB CONSIDERING)

Operations
- B2G: INTEGRATING OPEN ADR (C4SB INCUBATING)
- OPEN IWMS (C4SB CONSIDERING)
- OPEN BAS (C4SB CONSIDERING)
- OPEN LIGHTING (C4SB CONSIDERING)
- OPEN CONVEY-ANCE (C4SB CONSIDERING)
- OPEN CAPEX (C4SB CONSIDERING)

Tenant Experience
- OPEN TENANT EXPERIENCE (C4SB CONSIDERING)
- OPEN AMENITIES (C4SB CONSIDERING)

CRE & Transactions
- OPEN CRE (C4SB CONSIDERING)
- OPEN PORTFOLIO MNGT (C4SB CONSIDERING)

Establishing Common Linux Tools for Buildings

Making Ontologies Cloud Native
- HAYSTACK (C4SB INCUBATING)
- BRICK (C4SB CONSIDERING)
- RE CORE (C4SB CONSIDERING)
- IRCs & OTHER BUILDING ONTOLOGIES (C4SB CONSIDERING)
- DATA GOVERNANCE STANDARDS (C4SB CONSIDERING)
- AI DATA MODELING (C4SB CONSIDERING)

Common Hardware
- IBB (C4SB INCUBATING)
  - SUPER BRIDGE IBB
  - CLIENTS IBB SERVER

Connection Standards
- ABSTRACTING APIs (C4SB INCUBATING)
  - CONNECTION PROFILES

Making Field Buses Cloud Native
- BACnet (C4SB INCUBATING)
- LONMARK (C4SB INCUBATING)
  - ENGINEER IAP
- MODBUS (C4SB CONSIDERING)

Building on Related Linux Foundation Projects

Container App Platform
- CNCF (CNCF IMPACT)

Cyber Security
- CERT-MANAGER (CNCF GRADUATED)
- FALCO (CNCF GRADUATED)

Other Related Projects
- LF ENERGY (LF ENERGY IMPACT)
- LF EDGE (LF ENERGY IMPACT)
- DOZENS MORE (LF IMPACT)

Related LF Projects are not represented on the C4SB Foundation Governing Committees.

Project / Standards Structure Overview

Housed

- 2525
- TXO
- FDD Spec
- IBB Spec
- IBB's in Flight
- Lon Mark Intl
- Haxall / Haystack
- Managed BACnet

- Ontology Alignment Project
  - 223p
  - Brick
  - Haystack
  - REC

Co-Dev

- Project Haystack
- BIM to Twin
- 231p

- OASIS JADN
- CNS/CP

Linked

- CNCF
  - OCI
  - Kubernetes
  - DAPR
  - HELM

- OASIS CTS2.0

- OADR 3.0

- OGS
- Open BIM
- CSI
- BACnet