Observations from the Industry Interconnects subworkgroup within the LF AGNTCY Identity working group

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Prepared for:
International Telecommunication Union (ITU) Workshop on "Trustable and Interoperable Digital Identities for Human and Agentic AI", (Geneva, Switzerland, 31 March 2026)

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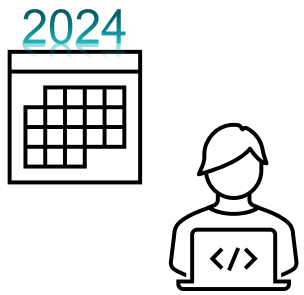
Linux Foundation identity when building open source software

LF DECENTRALIZED TRUST

Human Identity
- Xz utils
- Prove who's making your open source software
- DID, VC

CLOUD NATIVE COMPUTING FOUNDATION

Machine Identities
- SPIFFE/SPIRE
- Kubernetes Workload identity



CLOUD NATIVE COMPUTING FOUNDATION

Identity Provider
- Keycloak
- Humans, service accounts
- OpenID Connect, Oauth2, SAML

OpenSSF
OPEN SOURCE SECURITY FOUNDATION

Secure Software Development
- Secure development best practices, including identity

Linux Foundation building software applications*

LF DECENTRALIZED TRUST

Human Identity

CLOUD NATIVE COMPUTING FOUNDATION

Machine identity

CLOUD NATIVE COMPUTING FOUNDATION

Identity Provider

OpenSSF
OPEN SOURCE SECURITY FOUNDATION

Secure Software Development

Linux kernel

LF NETWORKING

Network infrastructure and services

CONFIDENTIAL COMPUTING CONSORTIUM

Secure multi-tenant data in use

Kubernetes Container orchestration

OpenTelemetry

Logs, tracing and observability

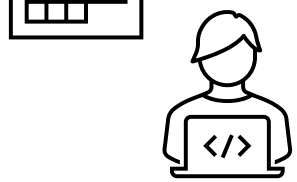
Open Policy Agent

Policy engine

OpenWallet FOUNDATION

Secure payments

2024



*Not exhaustive

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Linux Foundation building generative AI applications*

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OpenWallet FOUNDATION

Secure payments

PyTorch

Deep learning framework

LF AI & DATA

AIML, Deep learning and data technology, gAI commons, model openness framework

Milvus

Vector database

OpenLineage

Publish runtime details of data processing

ONNX

Deep learning model format

mlflow

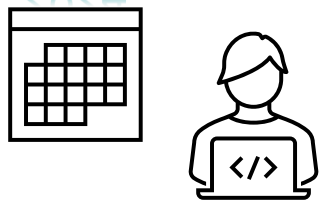
ML model lifecycle

jupyter foundation

Development environment for data science, scientific computing and machine learning

*Not exhaustive

2024



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Linux Foundation building agentic AI applications*

LF DECENTRALIZED TRUST

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ML model lifecycle

jupyter foundation

Development environment for data science, scientific computing and machine learning

MCP

Protocol to connect agents to tools and data

A2A

Protocol for agent interaction

agentgateway

Agent aware proxy

2025

AGNTCY

Secure agent infrastructure stack: discovery, identity, messaging and observability

Agent coding assistant

Agentic AI Foundation

Neutral steward for agentic AI systems

*Not exhaustive

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Linux Foundation agentic identity implementation *

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Human Identity

CLOUD NATIVE COMPUTING FOUNDATION

Machine identity

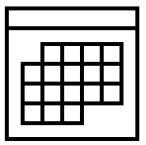
CLOUD NATIVE COMPUTING FOUNDATION

Identity Provider

OpenSSF
OPEN SOURCE SECURITY FOUNDATION

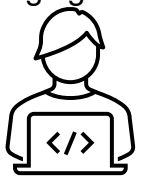
Secure Software Development

2026



AGNTCY

Secure agent infrastructure stack: discovery, identity, messaging and observability



*Not exhaustive

AGNTCY Identity Working Group is the *central collaboration space to implement and test* the extension of agent identity standards, protocols and tool integration for software developers

LF DECENTRALIZED TRUST

Human Identity

CLOUD NATIVE COMPUTING FOUNDATION

Machine identity

spiffe

Secure Production Identity Framework for Everyone, using SPIRE

CLOUD NATIVE COMPUTING FOUNDATION

Identity Provider

KEYCLOAK

Enterprise Identity Providers, e.g. Cisco Duo, Microsoft Entra ID, Okta (with XAA)

OpenSSF — OPEN SOURCE SECURITY FOUNDATION

Secure Software Development

W3C — WORLD WIDE WEB CONSORTIUM

Digital Identity (DID), Verifiable Credentials (VC)

Credo

ITU

Workshop on agentic AI ID management, Created x.509

OASIS OPEN

SAML

OpenID

OpenID Connect

IETF

OAUTH2

CSA cloud security alliance®

Agentic IAM framework

OWASP®

Security top 10 guide for agentic AI

CoSAI — COALITION FOR SECURE AI

Identity workstream (OASIS)

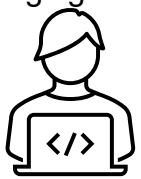
fido ALLIANCE

How / should FIDO protocols extend to agents

2026

AGNTCY

Secure agent infrastructure stack: discovery, identity, messaging and observability



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