

AGNTCY: Infrastructure for the Internet of Agents

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A Proud Project of



An open-source project for inter-agent collaboration

TECHNICAL STEERING COMMITTEE









collaborating organizations

AGNTCY: https://agntcy.org

Verifiable Identities: https://docs.agntcy.org/identity/identity/

Working groups: https://github.com/agntcy/governance/blob/main/

working-groups/WORKING-GROUPS.md



Our approach to Identity in AGNTCY

AGNTCY defines identity assignment with the following core properties:

- Open: No centralized authority is required for assigning identities
- Collision-free: Each entity (Agent, MCP Server, or MAS) has a UUID
- Verifiable: Each entity has a Verifiable Credential (VC) that can be used to authenticate its ID and provenance in the form of an Identity Badge

Approach: Support both conventions and standards for identity assignment

- Conventions:
 - IdP assigned IDs
 - Well-Known Identifiers (e.g., https://YOUR-DOMAIN/.well-known/agent.json)
- Standards: W3C Decentralized Identifiers, including:
 - DIDs and metadata
 - VCs for cryptographic validation
 - Decentralized networks for publishing and resolving identities (NA yet)

Identity SaaS and OSS released in September 2025



SaaS: https://agent-identity.outshift.com/welcome

OSS: https://github.com/agntcy/identity-service

Main Features:

- Register and connect IdPs
- Register Agentic services and create Identity Badges, including the use of AGNTCY specs + automation for A2A Agents and MCP Servers
- Publish, search, and verify Identity Badges
- Device onboarding enabling MFA with a HITL
- Policy config in SaaS: Task/Tool-Based Access Control (TBAC), with and without HITL approval

Financial Assistant: Identity Service Demo Application

SaaS / OSS Reference Implementation outshift Agent Identity Service ① This is a reference implementation of the AGNTCY Agent Identity Service intended for testing and demonstration purposes only. Learn more **Admin** 蹤 okta Get started with AGNTCY's Agent Identity Service Secure your Al agents and MCP servers with trusted identities. Create, verify, and manage agent identities for secure communication and authentication. Learn more in our documentation. **●** ORY authentication by verifying identities for your manage identities for your Al agents and MCP servers and Al agents, including those MCP servers, including those supporting A2A-compatible protocols like Google A2A, Google A2A. with support for policies and access controls AGNTCY DIDS ✓ Verify Identity + Connect Identity Provider Developer HITL/MFA User Financial Assistant Chat UI A2A Protocol Currency Exchange Agent Financial Assistant Agent (A2A spec) ္ဘာ (AGNTCY spec) Protocol trade_currency_exchange Protocol Currency Currency Exchange Exchange MCP Server get_currency_exchange_rate Multi-Agent Example App

Define policies, including more granular access controls, along with delegated authorization with and without a human in

the loop.

• Enforce access controls securely delegating the execution of tasks to autonomous entities that operate at machine speed.

Detailed Demo Video



You can check the online version with voice over at:

https://www.youtube.com/watch?v=CO3YwjRXyQo

The demo covers

- How to onboard and connect IdPs such as Okta, Duo, or Ory
- Register Agentic Services and generate Identity Badges as Verifiable Credentials
- Demo a Financial Assistant using Agents and an MCP Server
- Developer Experience for integrating Identity
- Policy Definition examples
- Mobile device onboarding for MFA with a HITL
- TBAC in action

Entities Engaged

Workstreams within the Identity WG

- DCR / KYA
- Context Transfer / Policy Definition & Enforcement
- Cross-Agent/App AuthN & AuthZ
- MFA for Autonomous Agents
- Audit Logs & Standardization
- Policy Engine Integration
- Brokered identity and gateways
- Liaisons



... and many more



Walk through AGNTCY and the documentation

Call to Action

- Explore liaisons and collaborations with W3C projects
- Other tracks and WGs
 - Core
 - Observe and Eval
 - CoffeeAgentcy
 - Identity
 - AGNTCY Agent Identity WG (biweekly)
 - Thursday, October 23rd 10:00 11:30 AM
 - Time zone: America / Los Angeles
 - Webex Meet joining info
 - https://cisco.webex.com/cisco/j.php?MTID=m242d88b3809f4c32c0a4de86dc7418bd



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