



AGNTCY: Infrastructure for the Internet of Agents

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W3C CCG meeting, October 21st, 2025





A Proud Project of  THE **LINUX** FOUNDATION

An open-source project for inter-agent collaboration

TECHNICAL STEERING COMMITTEE



Google

DELL



Red Hat

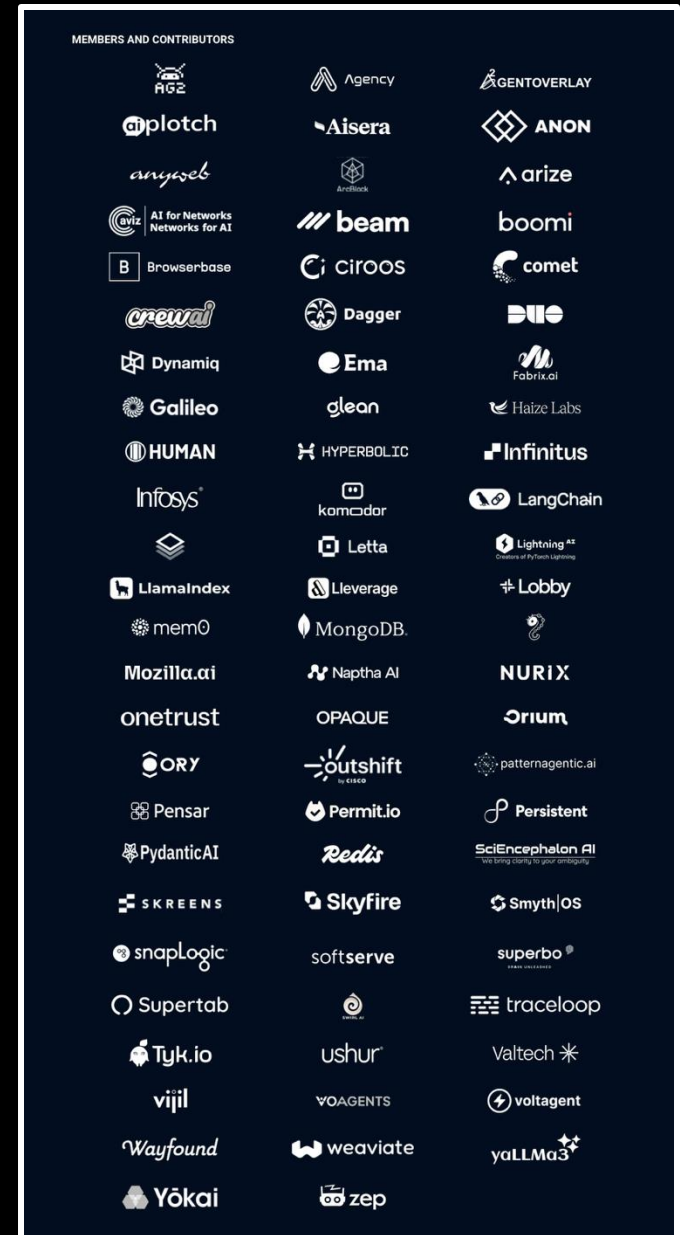
ORACLE

75+ 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

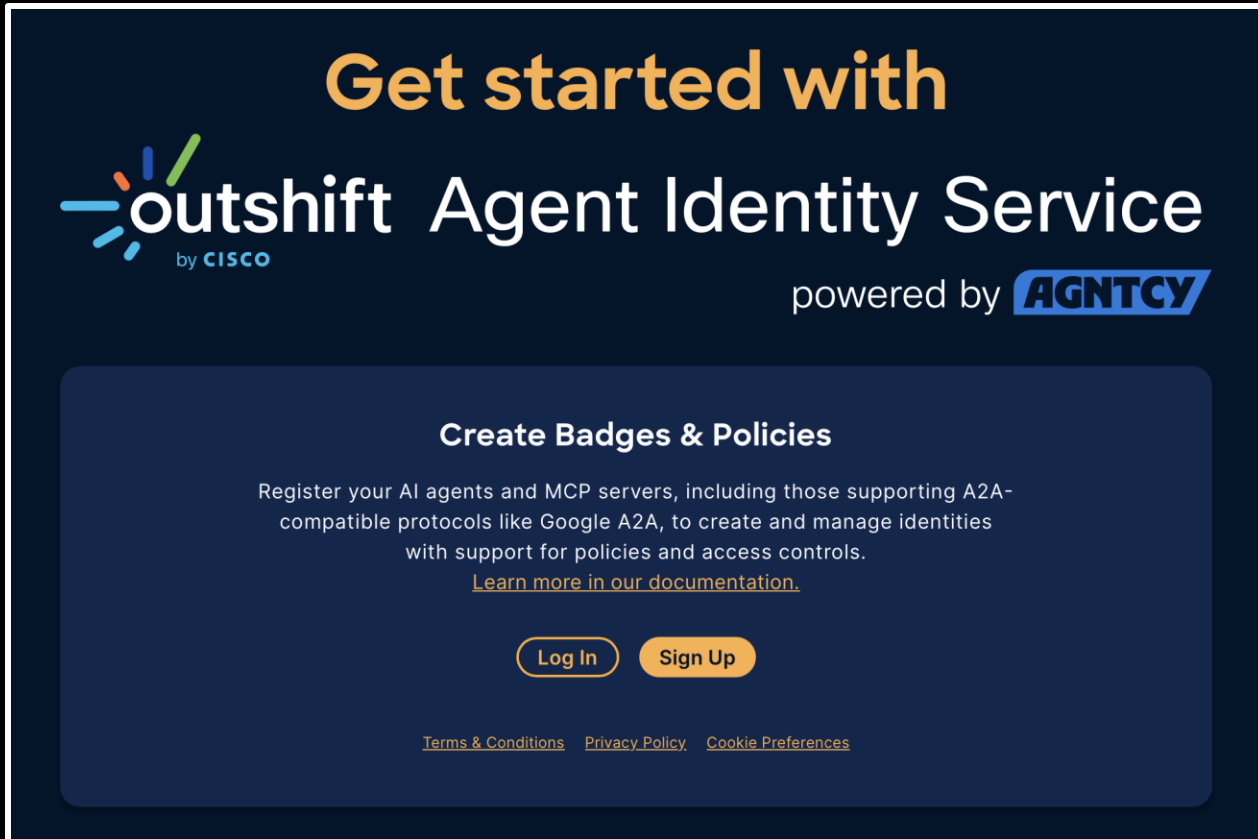
AGNTCY defines identity assignment with the following core properties:

- 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



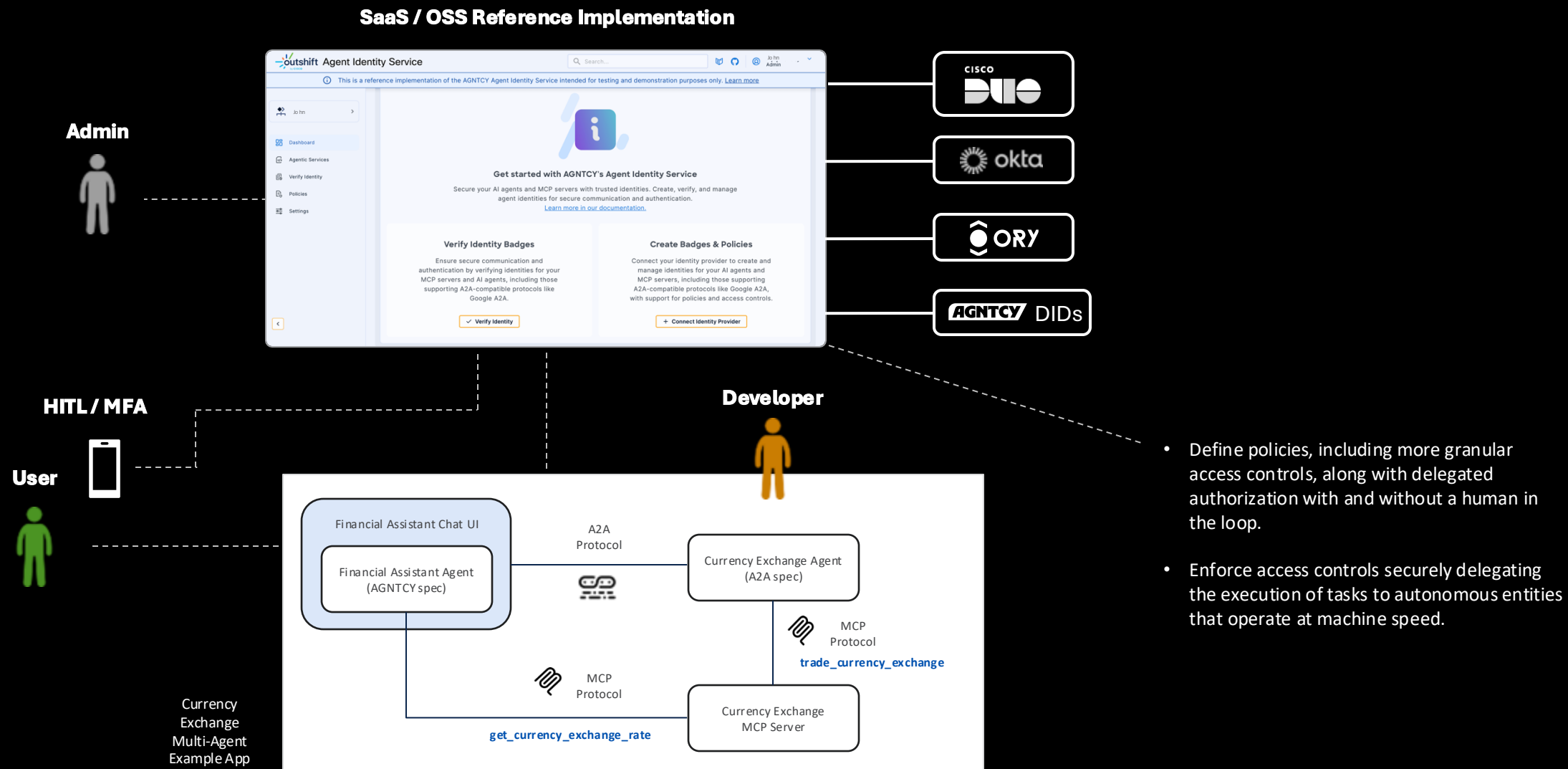
SaaS: <https://agent-identity.outshift.com/welcome>

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

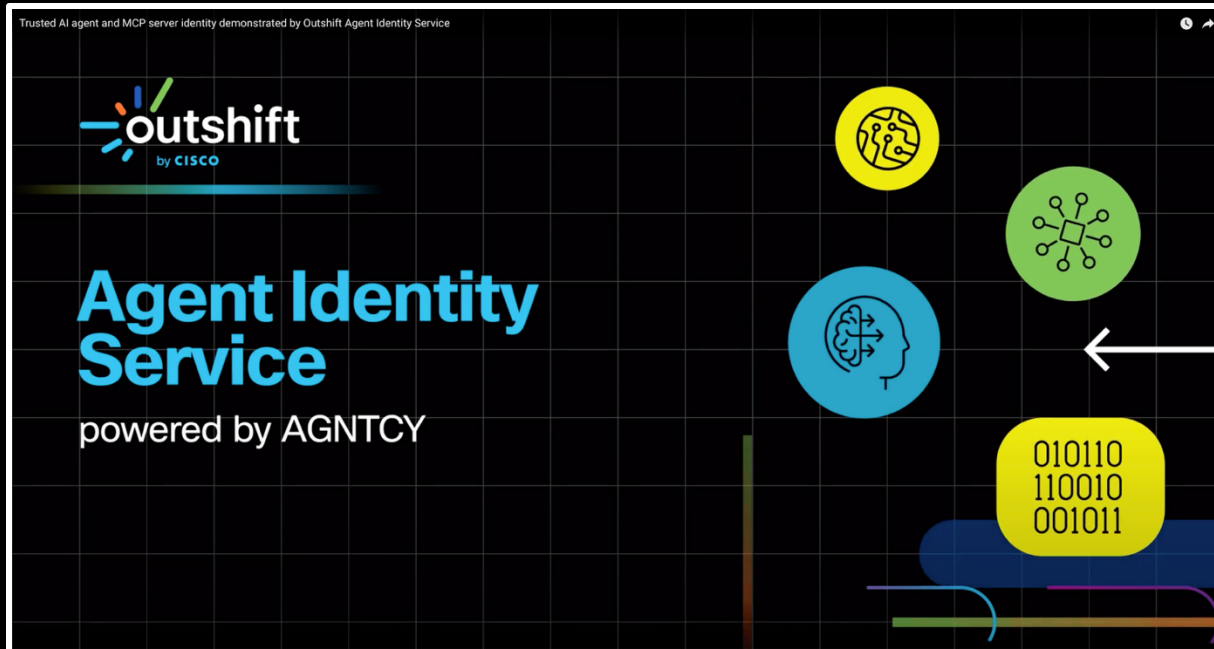
Main Features:

- 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



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
 - CoffeeAgency
- 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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