



SEPT 22 - 24, 2026 | NAIROBI, KENYA

WSO2 Identity Platform: The Identity Fabric for the Agentic Enterprise

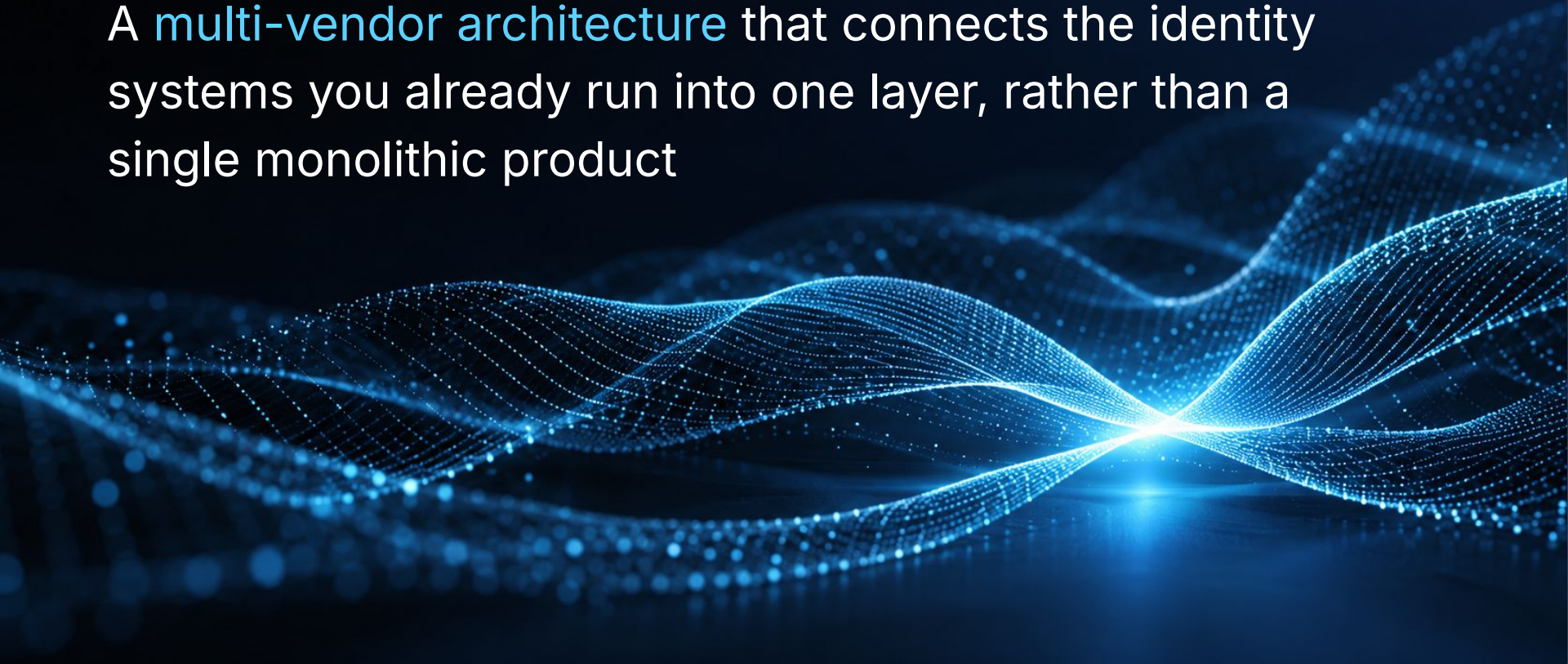


Omindu Rathnaweera

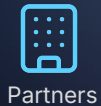
Director, Head of Product
WSO2 - IAM

Identity Fabric

A multi-vendor architecture that connects the identity systems you already run into one layer, rather than a single monolithic product



The Identity Fabric Today



IDENTITY FABRIC

Identity & Lifecycle

Self-service & Recovery

Organizations & B2B

Federation & Standards

Authentication & SSO

Authorization

Privileged Access

Identity Governance

Verification &
Continuous Assurance

Consent & Privacy

Fraud Detection

Identity Threat Detection
& Response

Audit & Analytics

Cryptography & Key Management



Agents Stress Most of it at Once


Customers


Employees


Partners


Workloads


Devices


AI agents

CUSTOMER DATA
unified, held alongside the fabric
↓ *consented context*

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Applications


APIs


MCPs


Enterprise systems


Data



Your **Identity Fabric** Needs to
Evolve to Meet the Demands
of the **Agentic Era**

Agent representation in the Identity Fabric

Traditional IAM was built around **humans**; **Agents** are **not** humans. **Agents** are **not** standard services.



No Script

Goal-oriented rather than executing predefined, static steps.



Type vs. Instance

Spans dynamically across models, context, runtimes, and vendors.



Speed of Change

Rapidly evolving tool catalogs outpace static lists.



Cost of Borrowing

Auditability is challenged as agents operate silently in the shadows.





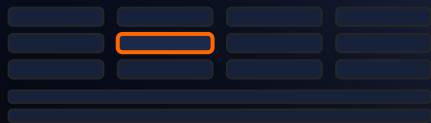
Agents as a first class entity

An agent is an identity in its own right, with its own lifecycle

- Registered as its own identity, not a shared service account
- Credentials issued, rotated and revoked by the fabric for the agent
- A named owner, from creation through retirement



**Most Agents Today Run With Far More
Access Than They Need**

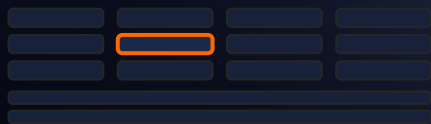


**What is this agent
allowed to do?**

**Authorization has to be
fine-grained and decided at
runtime**

- Scope to the task, not to the whole system
- Consistent policy across the fabric, enforced where actions occur
- Apply authorization consistently across every actor type
- Step up to a human for high-risk actions





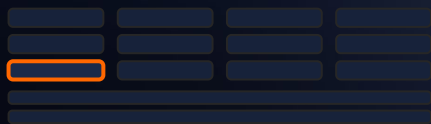
**Whose authority
is it using?**

Delegated authority has to be bounded, not inherited wholesale

- Never more authority than the principal
- Grants scoped to a single task or session
- Time-bound and revocable by default
- The delegation chain travels with the call
- Every action traceable to an accountable human



Agents Coming into your System are
NOT Always **Trustworthy**



**How confident are
we in who or what
is acting?**

**Identity verification is required,
and it has to be more sophisticated**

- Detect synthetic identities at onboarding
- Withstand deepfaked faces, voices and IDs
- Evaluate assurance in the principal, the agent, and the delegation
- Raise assurance mid-journey, not only at signup





**Is this interaction
legitimate?**

Fraud and anomaly detection has to account for non-human actors

- Model normal behaviour per actor type
- Add agent-specific call and tool-use signals.
- Score the delegation chain, not just the caller
- Evaluate risk at every interaction
- Respond proportionately: restrict, pause, revoke, or escalate to a human.



What's Actually **Happening** in the System



Auditability and observability of the fabric

Visibility across identities and actions

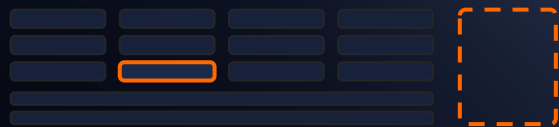
- Agent activity in the system
- Access pattern
- How agent access changes over time

Audit all the Actions

- Which agent acted, and for whom
- Under which grant, and when it was issued
- What it was asked to do, and what it did



**Authentication is Unified. Customer
Context is NOT.**



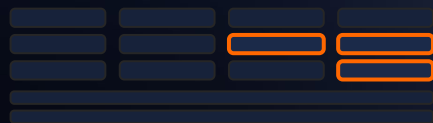
**How much does
your fabric actually
know about your
customer?**

Identity is the right place to unify customer context

- Unify view of the customer across systems
- Connect identity to unified, consented customer context
- Make relevant customer context available to journeys through APIs.
- Agents get grounded in proper context



Looking at the **Future**



The convergence of adjacent identity domains

Identity governance

- Dynamic provisioning and birth rights
- Agent lifecycle tied to its owner's

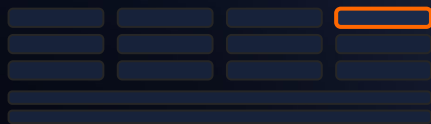
Privileged access

- Credentials brokered at use, never embedded
- Elevation that is just-in-time and task-scoped

Threat detection and response

- Spot misuse of credentials never stolen
- Rapidly contain compromised agents





**How do you trust a
credential you did
not issue?**

**Verifiable credentials matter when
the actor comes from outside your
fabric**

- Accept credentials your fabric did not issue
- Verify cryptographically, without calling home
- Agents carry their principal's credentials
- Work with national and cross-border schemes





**How long will
today's
cryptography
hold?**

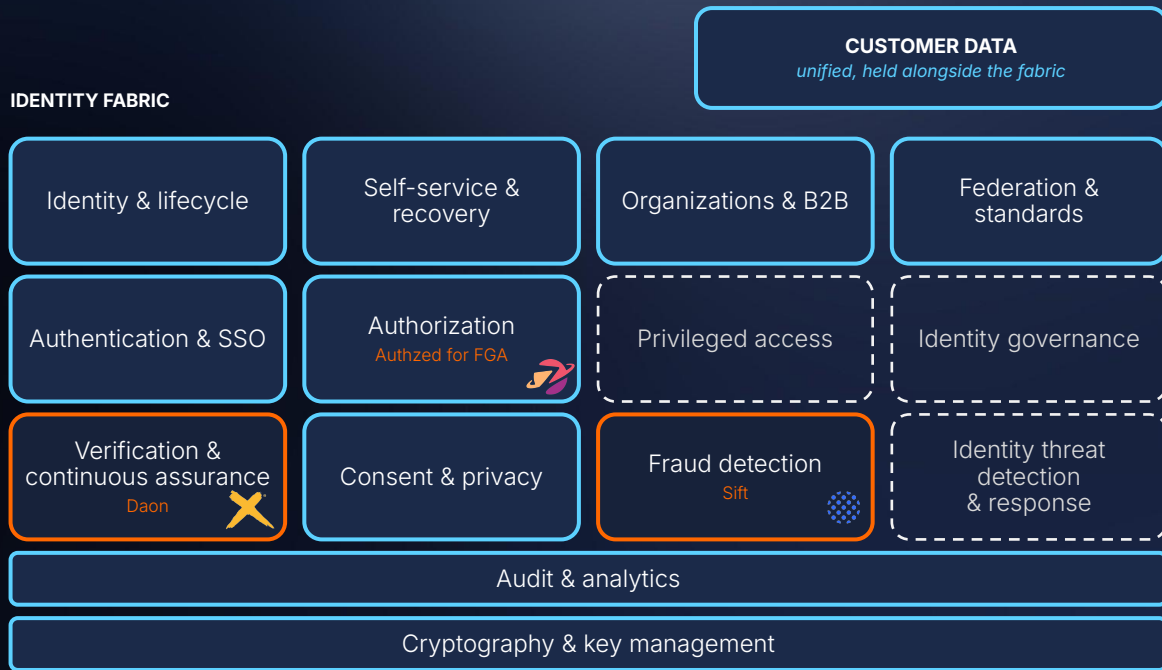
Post-quantum readiness requires migration and ongoing crypto agility

- Know where your keys and algorithms live
- Swap algorithms without touching applications
- Run hybrid - classical and post-quantum together
- Cover tokens and assertions, not only TLS



WSO2 Identity Platform

How WSO2 Covers the Fabric



COVERAGE

 **Built into the platform**

 **Built with partnerships**

 **Open to what you run**

WSO2 Identity Platform

Identity Server

Agent ID

Customer Data Service



Introducing ThunderID

Next gen open-source IAM stack by **WSO2**



Agent-native

AI agents as first-class identities, with delegation, consent, and traceability.



Post-quantum-safe

Crypto-agile runtime,
Quantum-safe algorithms by default.



Decentralized identity

Verifiable credentials and
digital wallet interop, built in.



Lightweight & scalable

Go-based, headless,
API-first, GitOps-ready.

Will be contributed to



DECENTRALIZED TRUST

Governed under Linux Foundation EU



<https://thunderid.dev>



<https://github.com/thunder-id>



Agents are **already** in your systems.
Strengthening the fabric is work that
starts now, not work that waits for a
roadmap.



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Thank You!



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