

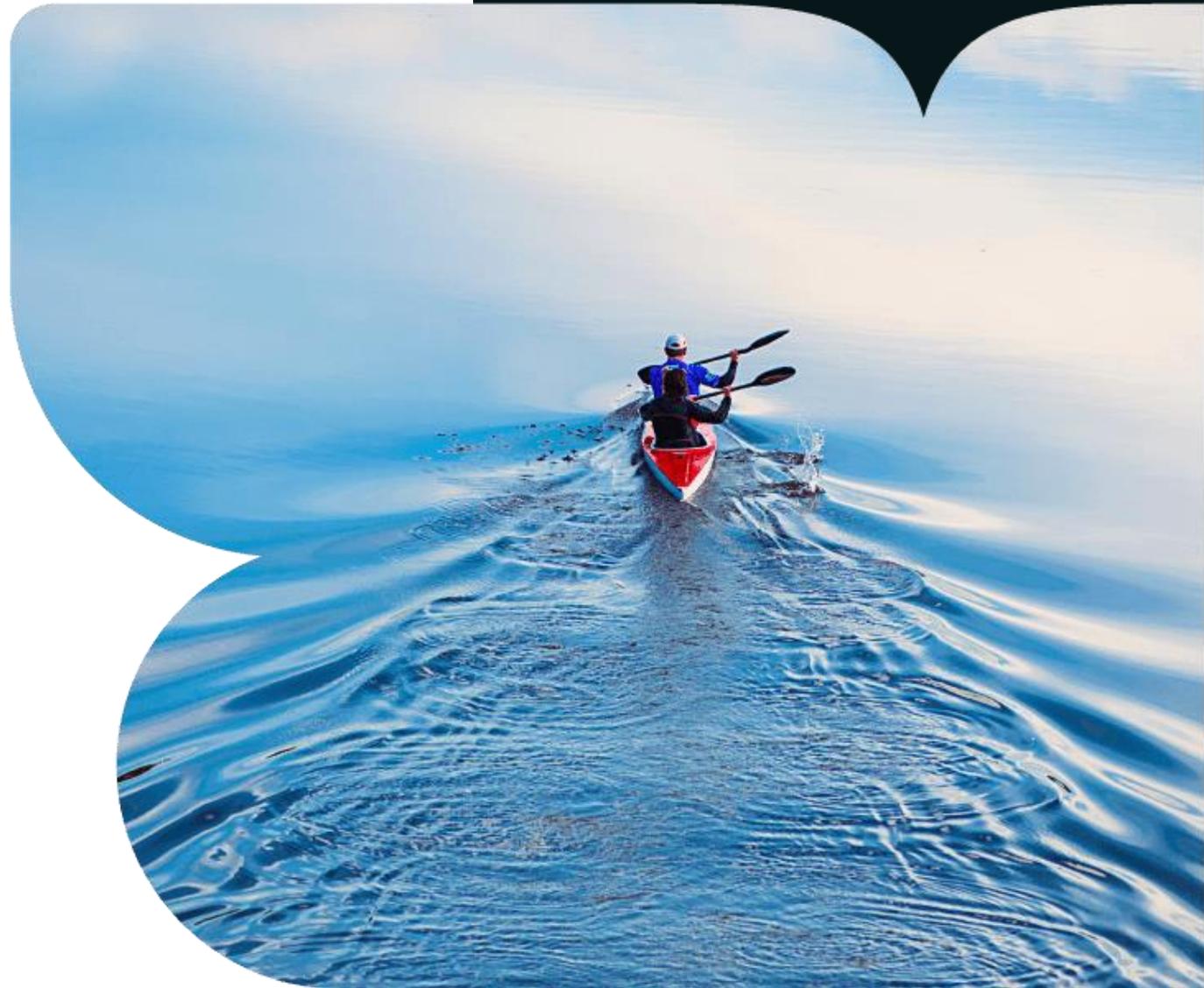
A deep dive into decentralised identity management

→ Dee Bolt, Senior Consultant, Kocho

Rohit Gulati, Principal Product Manager, Microsoft

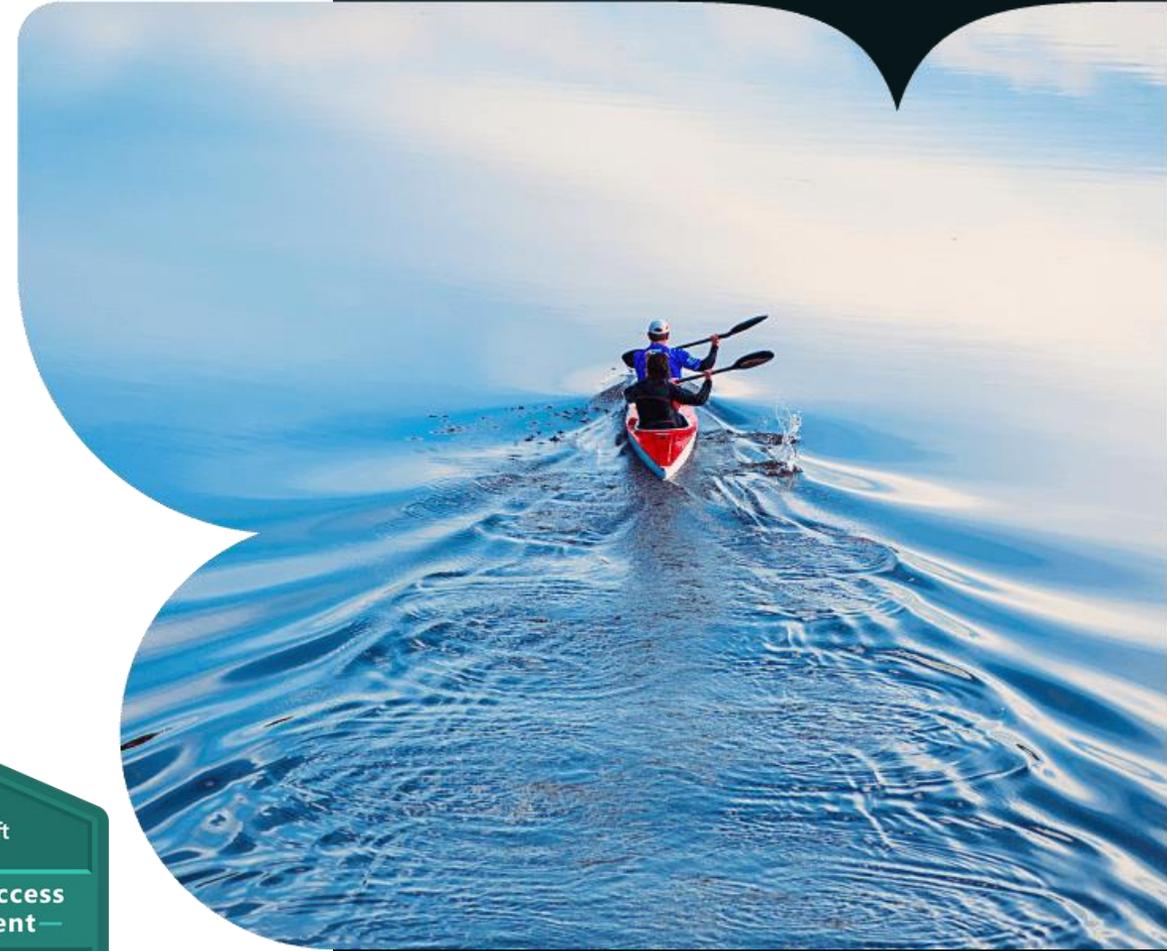
Contents

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- Intros
- The problem with traditional identity solutions
- The solution
- What are Verifiable Credentials
- How can Verifiable Credentials help you



Dee Bolt

- Joined Kocho in Mar-2020
- External Identity Senior Consultant
- Azure/Entra technical contributor
- Love motorbiking around the Welsh countryside



Rohit Gulati

- 20+ years, with Microsoft since 2008
- Part of Identity Product Team focussing on Entra Verified ID
- Love travelling & cricket, always ready to explore known and unknown terrains and cuisines.





Room introductions

Name, Company/role



130 billion

daily authentications in Azure AD

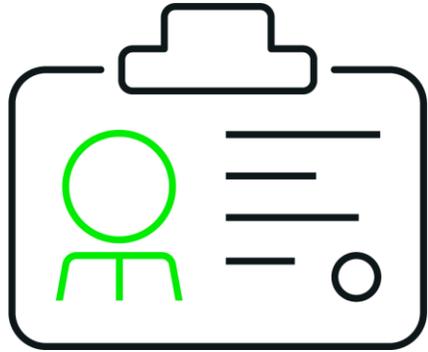


25.6 billion

attempts to hijack enterprise accounts between
January and December 2021

[Identity is the New Battleground](#), Cyber Signals, February 2022

Current challenges



→ People don't own their digital identity data

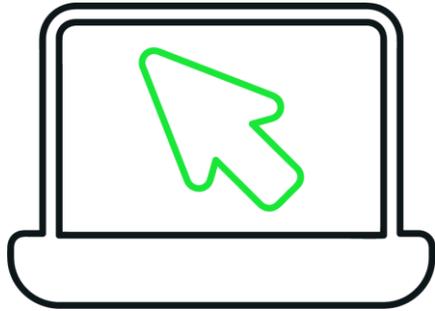


→ Regulations are increasing

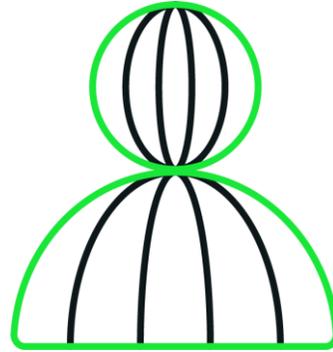


→ Increase of hybrid working

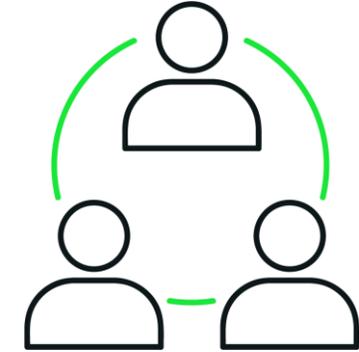
The problem



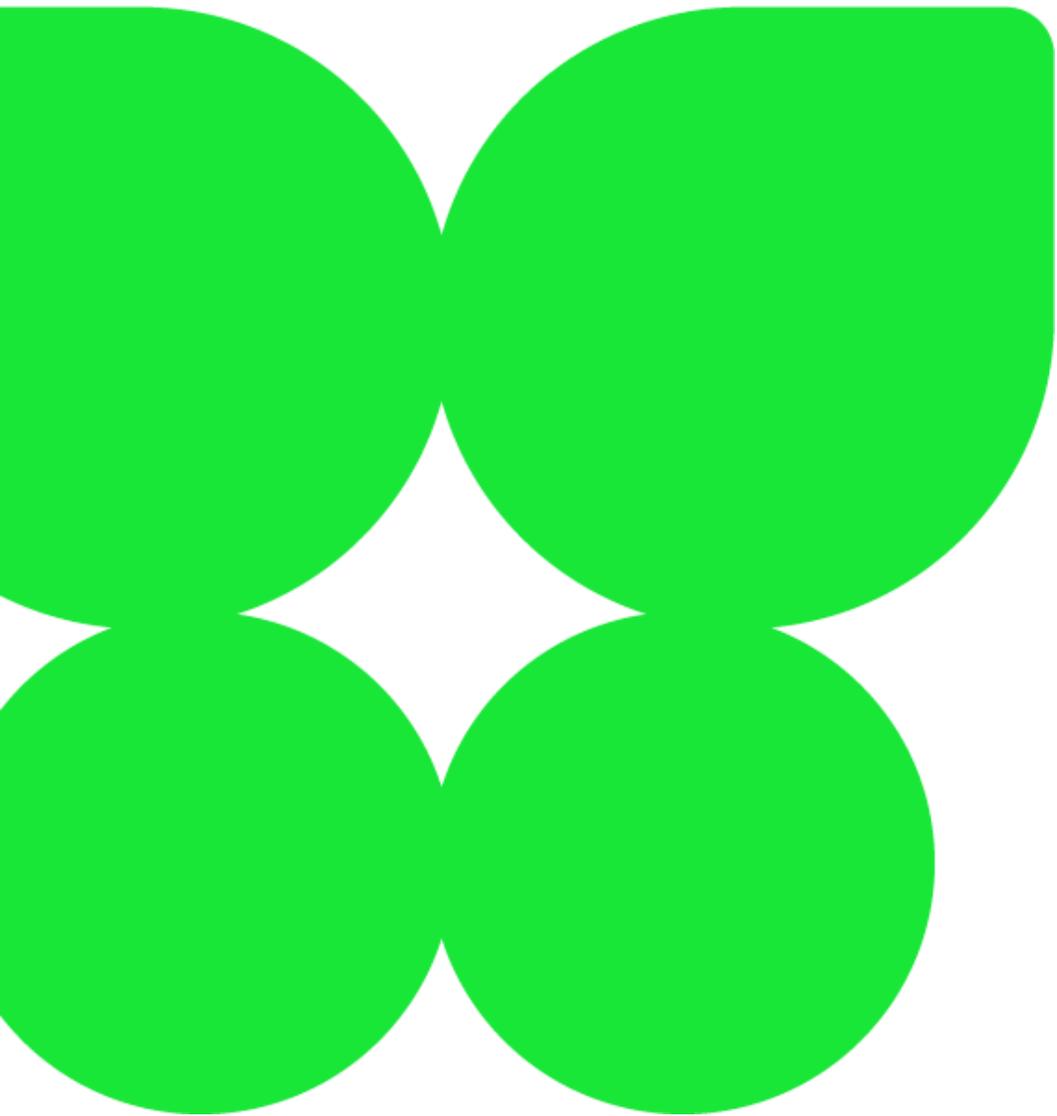
→ Users typically must retype information whenever dealing with a new organisation



→ Users can provide information or grant consent without being in control



→ Organisations require complex relationships to exchange data



Decentralised Identity

Your identity, your control

Digital Identity You Own & Control

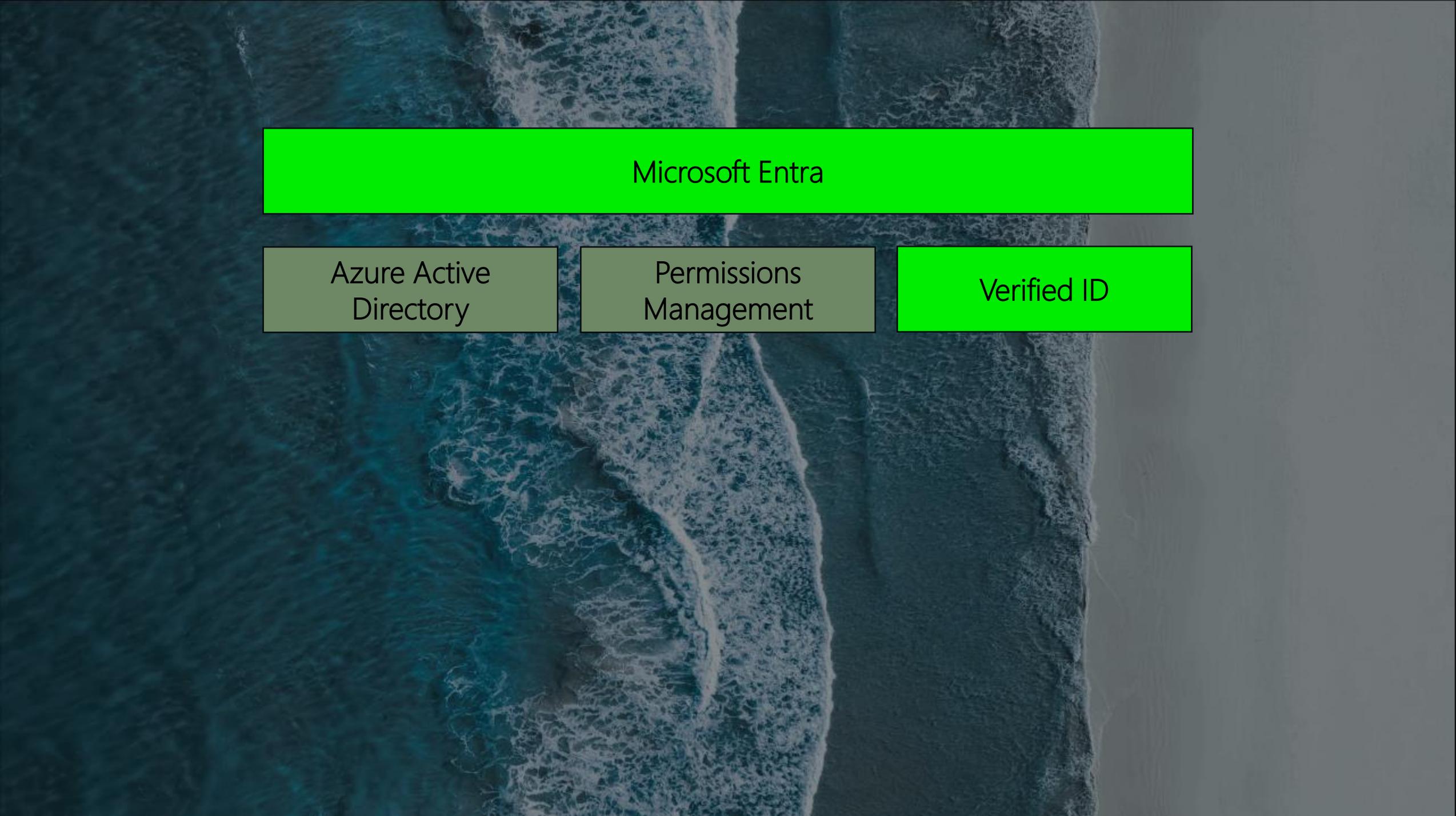


Jargon buster

- DID means Decentralised Identifiers
- Verified ID is Microsoft's implementation of the open standards
- VC is a Verifiable Credential*

*When VC is referenced, we are talking about the digital credential, not the previous name for the Verified ID Service.



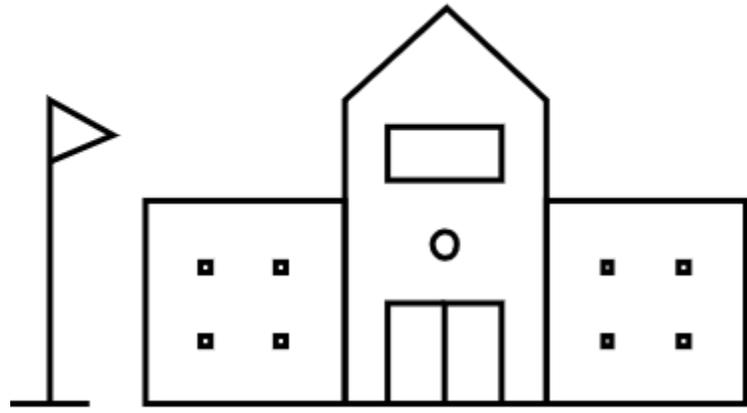


Microsoft Entra

Azure Active
Directory

Permissions
Management

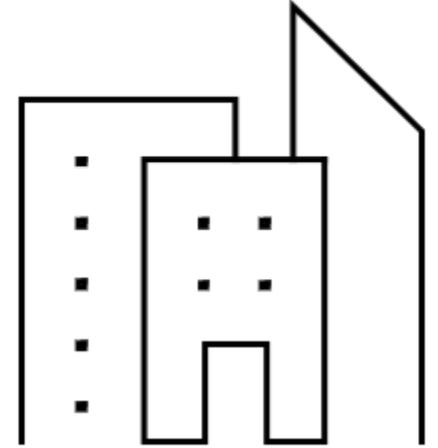
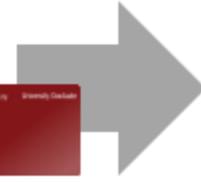
Verified ID



Contoso University
Issuer

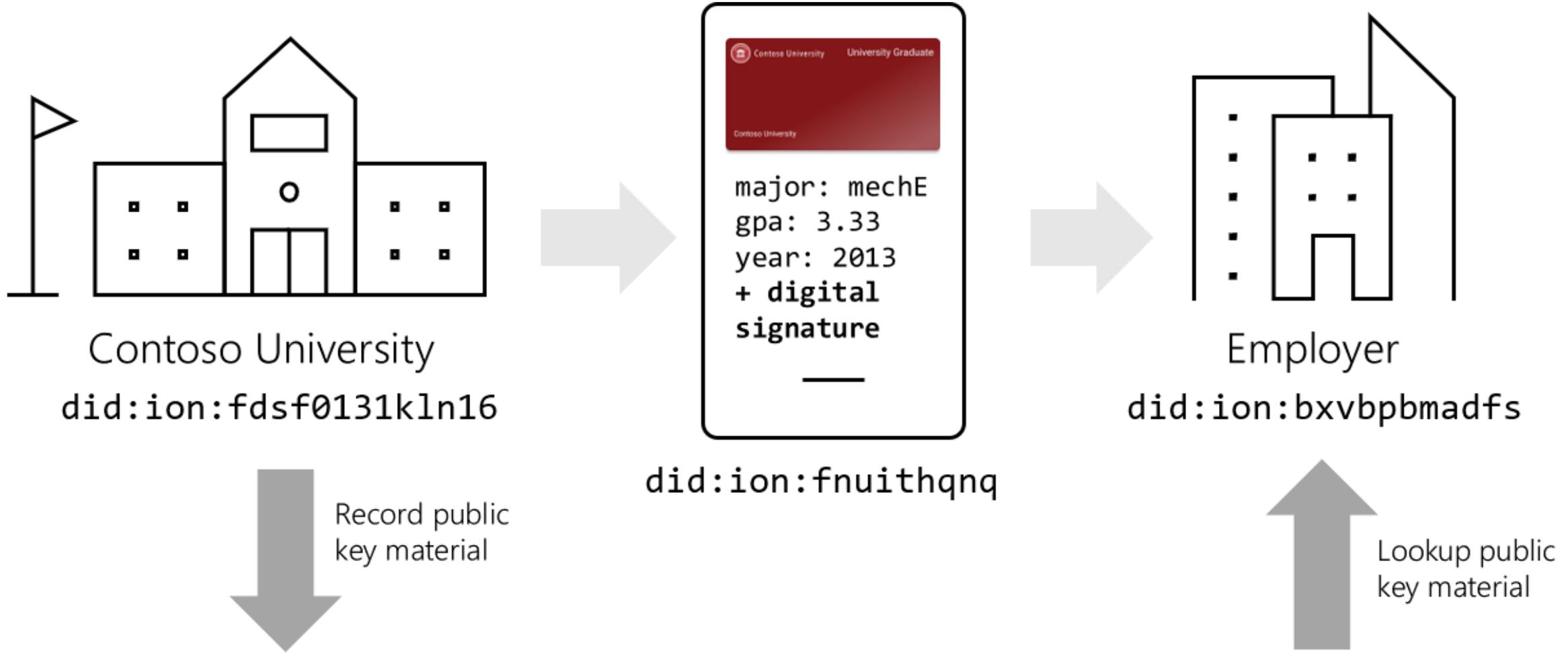


Wallet



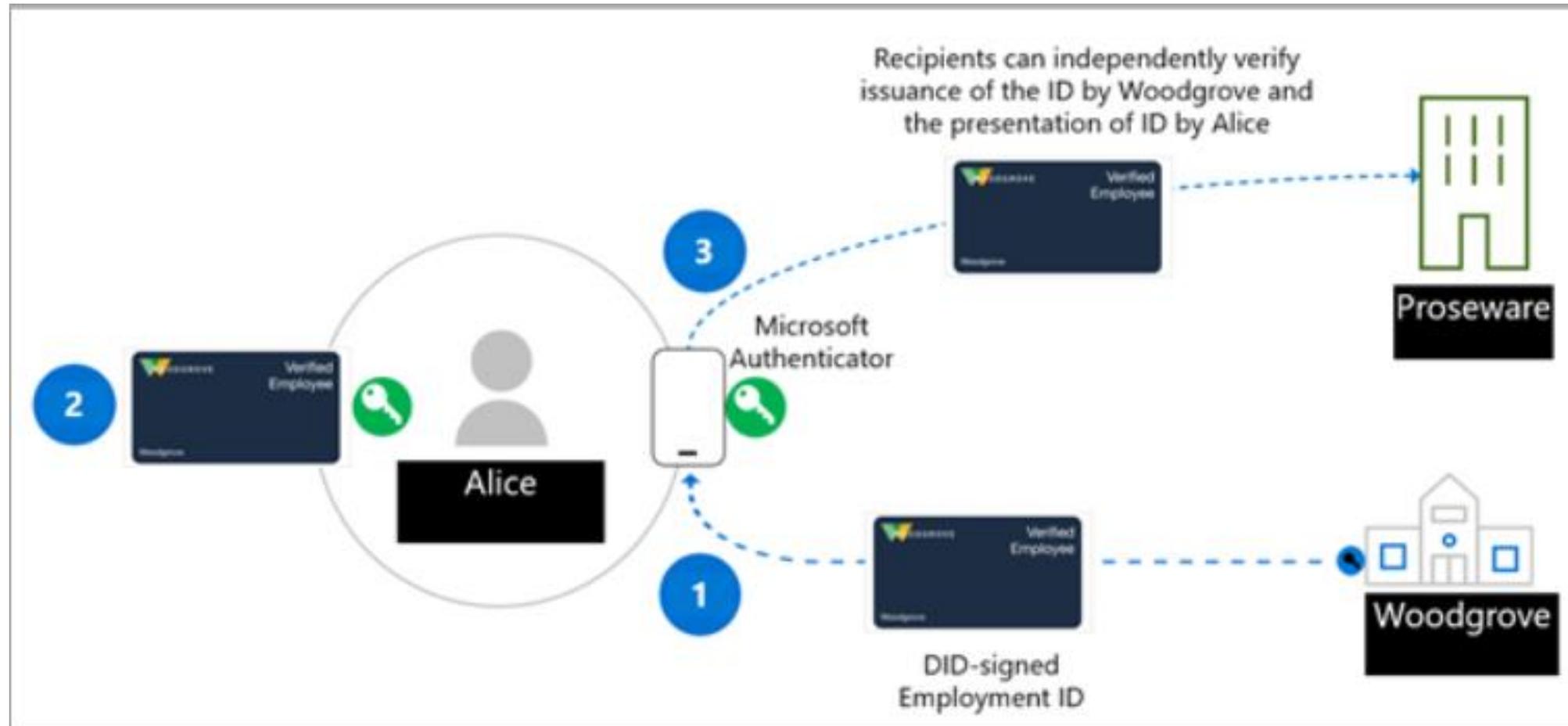
Employer
Verifier

The trust system



Decentralized public key infrastructure (Trust System)

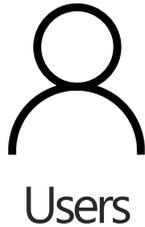
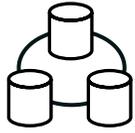
Roles in a verifiable credential solution



Based on open standards

Identity Hub/ DWN

Stage: Working Implementations



Users

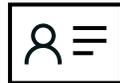
Universal Resolver

Stage: Working Implementations



User Agent

Stage: Working Implementations



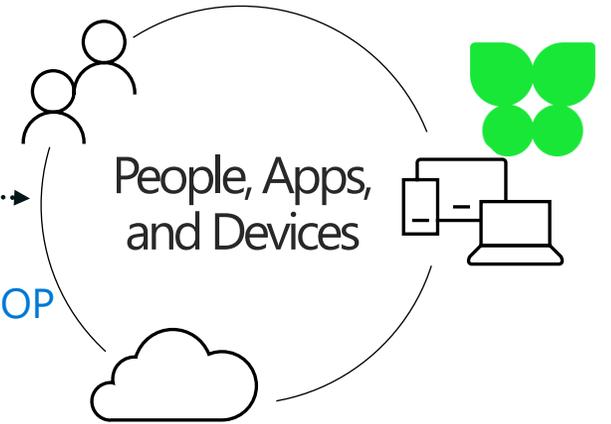
W3C Verifiable Credentials

Stage: Published Standard



Open ID Connect SIO

Open ID Foundation



Decentralized Systems

Blockchains and Ledgers

did://

W3C Decentralized Identifiers

Stage: Published Standard

Identity verification for your organization



→ Issue easily

Use templates or simple steps to create verifiable credentials for employees, partners and customers.

→ Verify confidently

Rapidly validate attestations from the issuer with explicit approval from the holder.

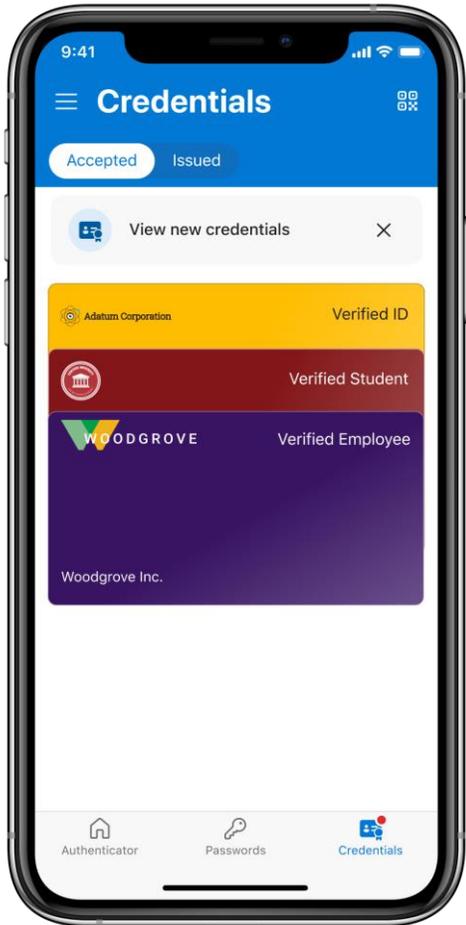
→ Use anywhere

Verified ID credentials are based on open standards; supported by identity verification partners

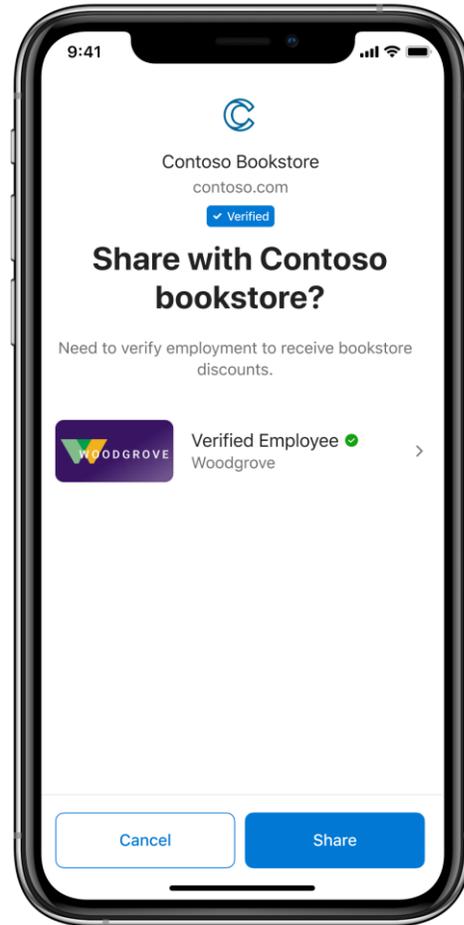
Creating a credential

The screenshot displays the Microsoft Entra admin center dashboard. The main heading is "Microsoft Entra" with the subtitle "Secure access for a connected world". Below this, there are three primary navigation cards: "Azure Active Directory", "Permissions management", and "Verified ID". Each card includes a brief description and a "Go to" link. A hand cursor is positioned over the "Go to Azure Active Directory" link. The interface also features a search bar at the top, a navigation menu on the left, and a user profile in the top right corner.

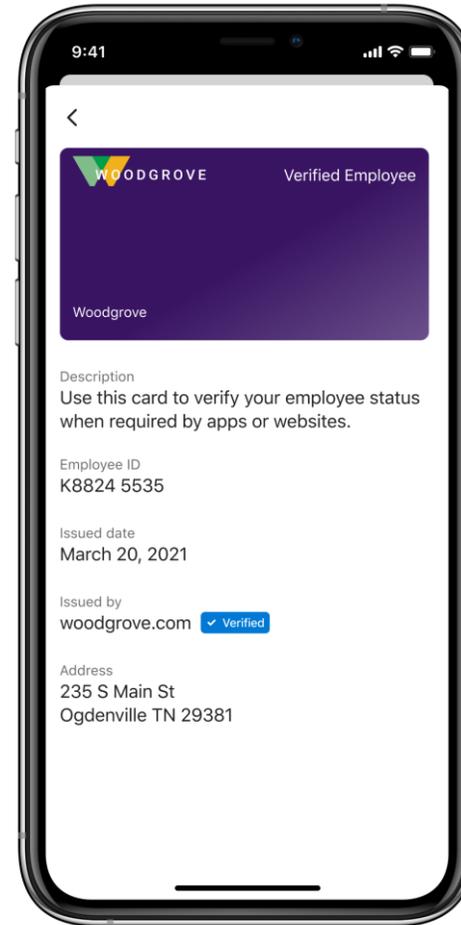
End user experience: Verification



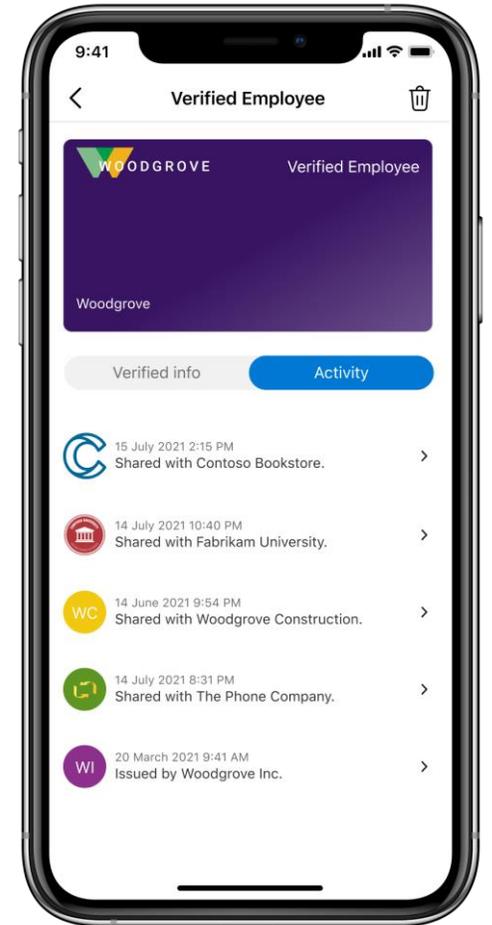
Easy to use and secure



Verifiable

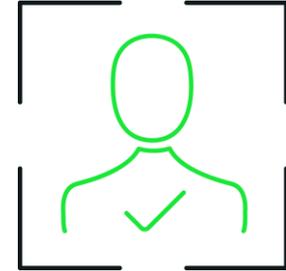
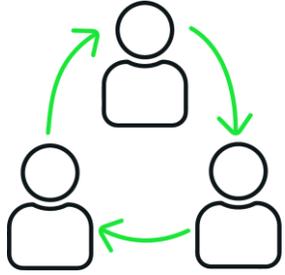


Transparent



Convenient

Trustworthy, faster, cheaper way to verify



→ Onboard employees, partners, customers

Trustworthy self-service enrollment and faster onboarding by digitally validating information with industry leading ID verification providers.

→ Access to high-value apps and resources

Quickly verify credentials and get access to sensitive resources that have advanced security requirements

→ Self-service account recovery

Reduce support phone calls and security questions with a simpler, more secure process to verify identity.



Open floor

How can verifiable credentials help you?

What are your use cases?



Learn more

→ [Aka.ms/didfordevs](https://aka.ms/didfordevs)

→ [Aka.ms/vcsample](https://aka.ms/vcsample)

→ [Aka.ms/vcdemo](https://aka.ms/vcdemo)

Next steps...

→ External Identity Proof of Concept

with one of our External Identity experts

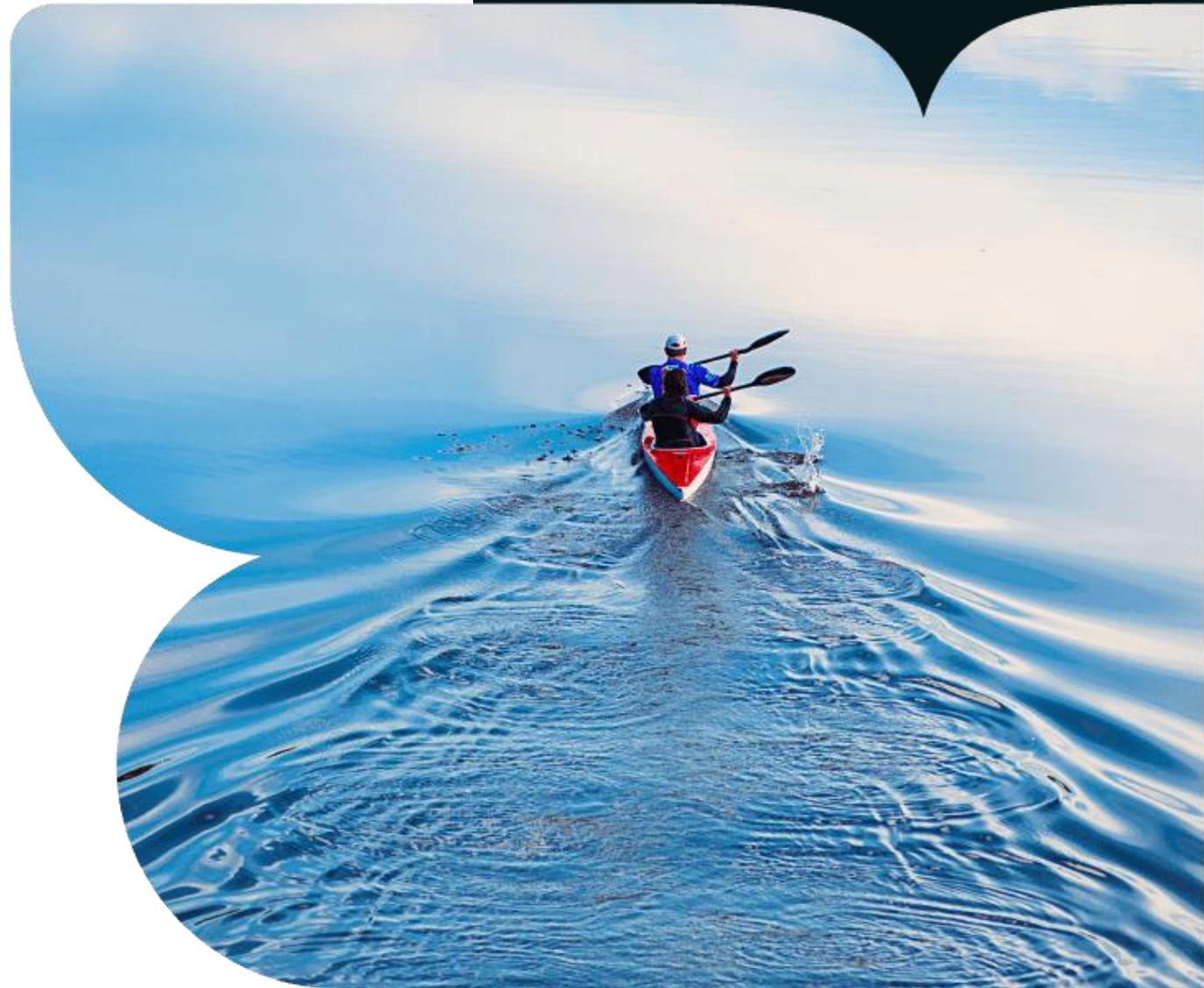
→ External Identity Discovery

Workshop



Get expert advice and [Contact our sales team](#)

recommendations tailored to your requirements.





Thank you

—————> Any questions?