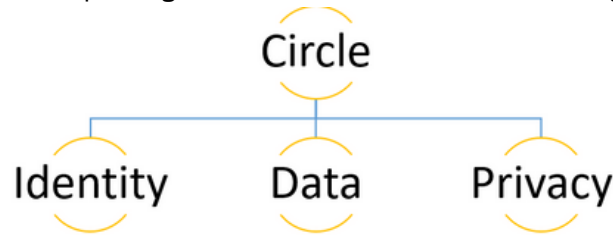




Joint Solution Brief

Security is Essential for Organizations to Operate and Compete in Today's Hyper-connected World

By simplifying development and automation, cloud adoption has grown exponentially over the years, and the next waves of AI and IoT will only accelerate this. The catch is that the very same foundational architectures which drive the cloud's efficiency, flexibility and cost benefits also serve as its weakest links from a security perspective. The result is the daily march of headlines we all read - with a surge in breaches of data and systems. Circle's breakthrough hybrid cloud + decentralized architecture shifts the paradigm to address three areas of challenge which map to existing policy engines.



Secure Identity

- Enable frictionless zero trust credential-free authentication
- Restrict access to trusted devices
- Positively verify user identity on every device
- Step-up when needed for high risk actions, contexts and profiles to unspoofable human-in-the-loop identity verification.

Secure Data

- Prevent identity-fraud and establish digital trust for user journeys.
- Share data securely without the potential of any breach in the cloud
- Enable full visibility and control of enterprise data. Off-board employees remotely and secure enterprise data on any device

Secure Privacy

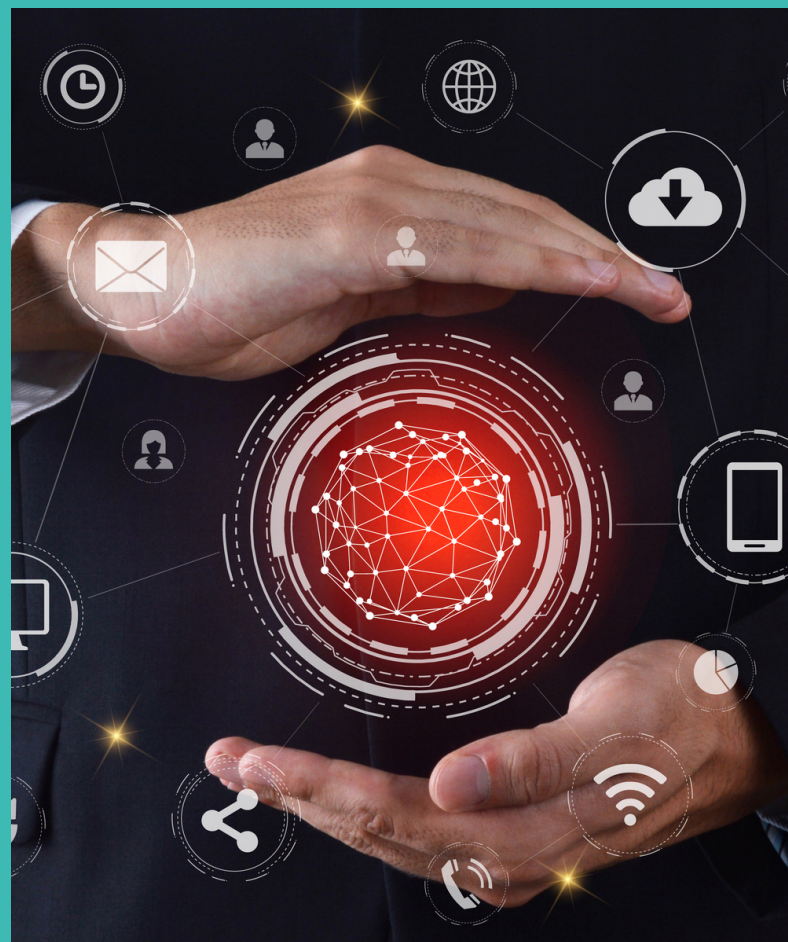
- NOBODY other than the Data Owner has access to their data – or metadata– EVER.
- ZERO attack surface in the Cloud - keys are created, stored, and bound to endpoint device.
- Privately share personal data with full encryption and without actually identifying data in plain text

ForgeRock + Circle delivers a frictionless User Experience

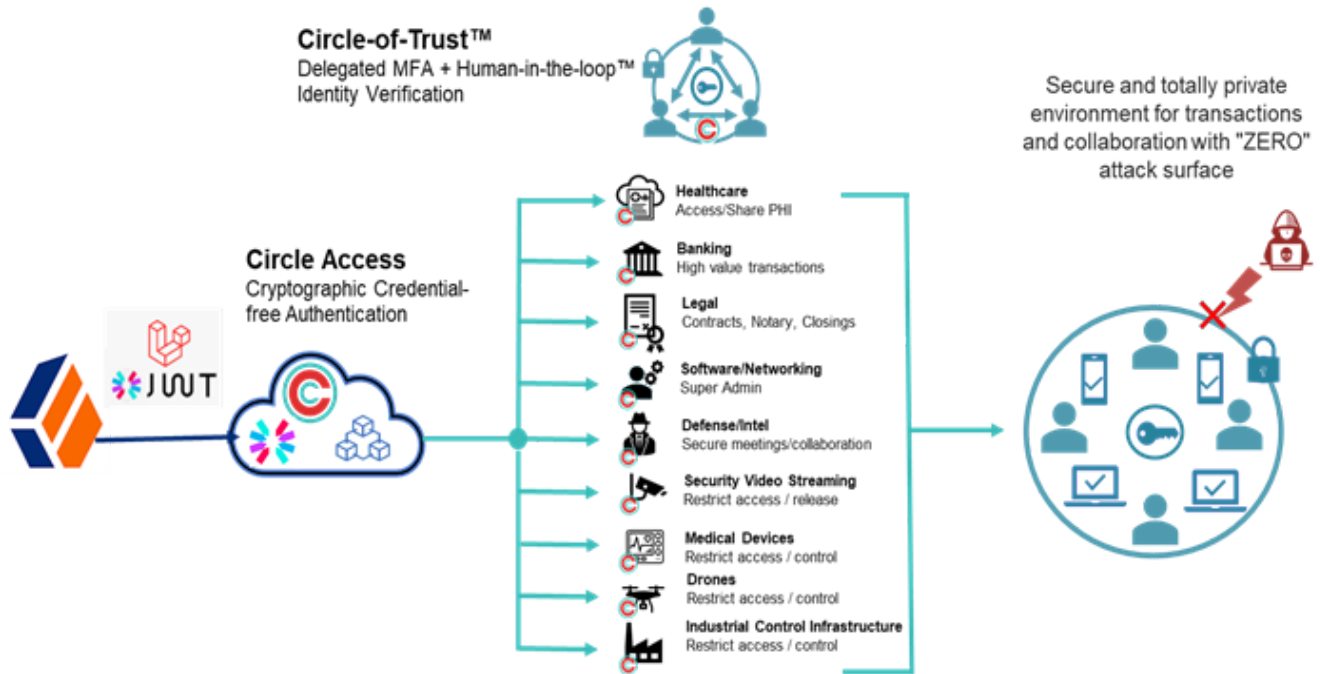
The joint solution offered by ForgeRock Identity Platform and Circle API enables organizations across all industries to fully leverage the benefits of distributed workforce with no compromise on security or user experience.

1. Own, control, protect and utilize identities with confidence
2. Continuous cryptographic, device-based authentication for access to authorized applications and data
3. Positively verify the identity of the user at every access point and throughout the continuum of user journeys
4. Leverage existing policies with the ability to escalate to unspoofable human-in-the-loop identity verification
5. Protect data and communications in transit and at rest with on demand cryptographic private networks

As a result, user experience is improved while organizations protect their applications, people and data.



The combination of Circle and ForgeRock strengthens customer's security posture on three critical fronts



1

Zero Trust Credential-free Authentication for Secure and Frictionless Access

Eliminate Phishing, Spoofing, Account Takeover and all credentials-based attacks

Continuous frictionless authentication of a unique user across multiple devices, browsers, sessions and contexts without the need for a VPN, 3rd party cookies, usernames or passwords. Circle Access delivers unrivaled credential-free authentication by combining:

1. **Something you have** - a private AES 256 key cryptographically fused to an authorized device; and
2. **Something you are** - continuous biometric authentication tied to device context

Once authorized in ForgeRock, Circle securely stores the user identity and allows cross-browser and cross-device application access securely and credential-free

2

Delegated MFA + Identity Verification powered by Circle-of-Trust

When your policies dictate, escalate to Circle-of-Trust

Circle's breakthrough failproof human-in-the-loop delegated MFA is available as a step-up re-authentication when needed for high-risk use cases, contexts, and user profiles.



Based on the policies set by ForgeRock IAM, Circle can delegate seamlessly in existing user workflows multi-factor authentication to authorized administrators who can re-authenticate the endpoint device access and unmistakably verify the identity of the end user on the device.

3

Enterprise Data Visibility & Control

Track and secure enterprise data on authorized endpoint devices

With Circle, organizations can have full visibility into and control of data — documents, files, media, or any other digital assets - that is stored in Secure Capsules on smartphones and laptops. Secure even when BYOD, without the need for MDM or VPN restrictions for access.



Using Circle API enterprises can create and manage totally private client-side data capsules secured by AES 256 powered encryption technology that is bound to the device.

Highlights

- ZERO attack surface in the Cloud - keys are created, stored and bound to endpoint device.
- Secure access, download, and storage of enterprise data on endpoint devices with full control by the application server (or, enterprise). Data can only be decrypted and used on authorized endpoint devices.
- Remote wipe capabilities protect enterprise data owners from bad actors or device compromise.

Summary of Benefits

Radically improve security powered by zero-trust and credential-free technology

- Eliminate phishing, spoofing and any other threats from compromised, stolen or lost credentials
- Ensure all users and devices are authorized and enterprise data is protected on endpoint devices
- Escalate to zero-trust delegated MFA for fail-proof human-in-the-loop identity verification driven by policies and risk postures
- Reduce the attack surface from Cloud or Enterprise-wide to the endpoint device of each user, exponentially increasing the cost and effort for attackers

Dramatically enhances user experience

- Enable frictionless credential-free access with no usernames/passwords to remember
- Deliver cross-context authentication automatically across devices and browsers
- Improve customer and user engagement and satisfaction

Substantially reduces IT and support overhead

- Eliminate password reset and recovery help tickets.

About Circle

Circle is reimagining cybersecurity. Using a patented transformative technology Circle cryptographically secures identity, data and privacy for third-party applications using a single unified API. Using Circle, developers and enterprises can easily integrate credential-free identity authentication, unrivaled data security, and unmatched privacy protection capabilities into their applications, APIs, or IoT devices without compromising user experience. For more information visit www.gocircle.ai



About Forgerock

The ForgeRock Identity Platform™ is the industry-leading open source multi-cloud identity management platform that empowers both digital businesses and service providers across all industries to own, control, protect and utilize their identities. ForgeRock Identity Platform offers secure, effortless access to all services on an individual's device of choice. The platform service provides a better customer experience while gaining incremental revenue, increasing operational efficiency and lowering costs by providing self-service capabilities to new markets.

