

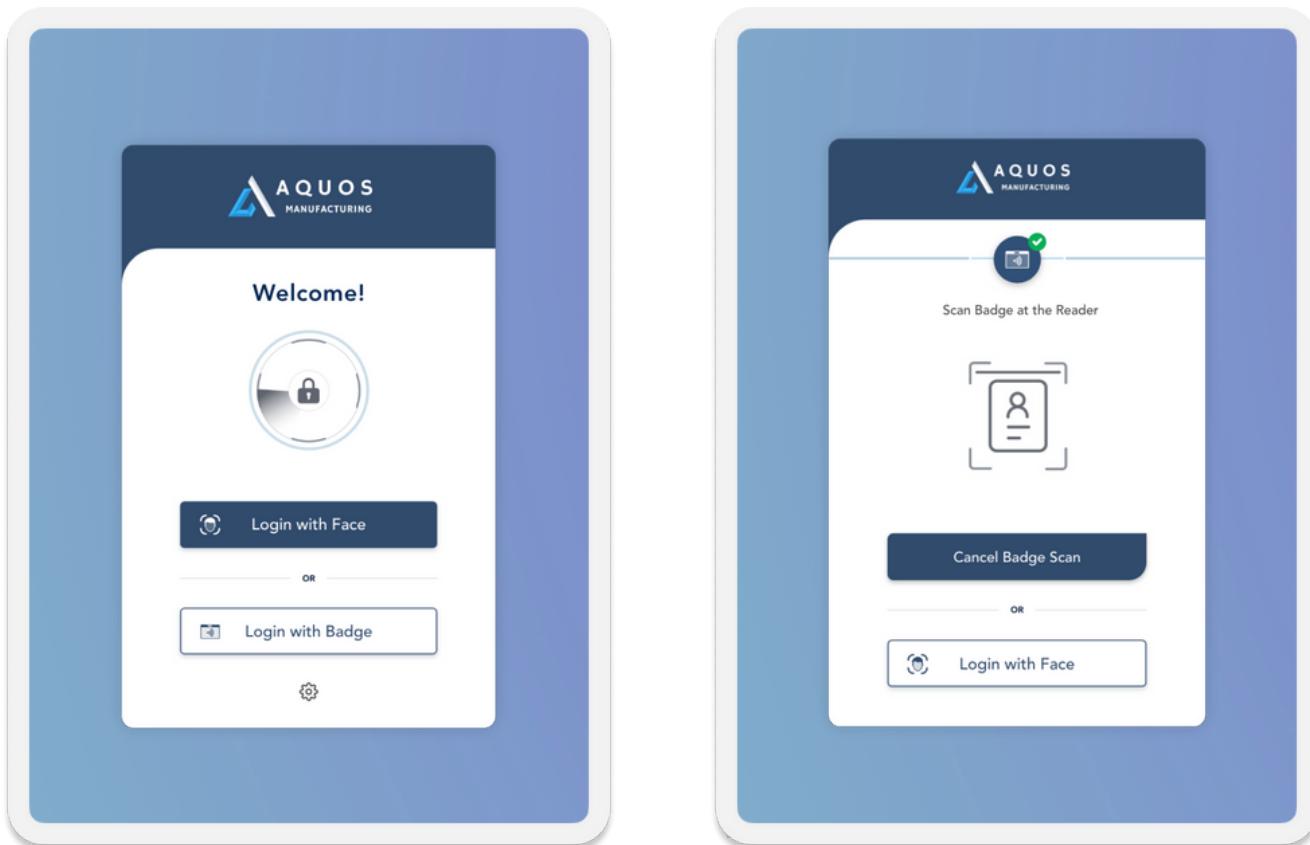
Getting Started with Passwordless for Frontline Employees



Introduction

In the digital age, frontline workers form the backbone of many organizations.

However, these workers often find it challenging to access shared devices securely, particularly when they lack access to personal mobile phones or emails. Traditional authentication methods fall short in these scenarios. This is where Oloid Passwordless comes into play. Oloid Passwordless provides a distinct solution utilizing RFID Badges, PIN, and Face Authentication for secure Multi-Factor Authentication (MFA) within the framework of a Zero Trust security approach. It effectively addresses specific challenges while serving as the initial factor in the authentication process.



Authentication Challenges of Frontline Workers and the Oloid Solution

Frontline workers, who are often the first point of contact with a company's products or services, face unique authentication challenges. They typically use shared devices and often lack access to personal mobile phones or valid email accounts. This lack of **personal digital identity** makes the usual authentication methods, designed for knowledge workers with dedicated computers, email and phone access, impractical and ineffective.

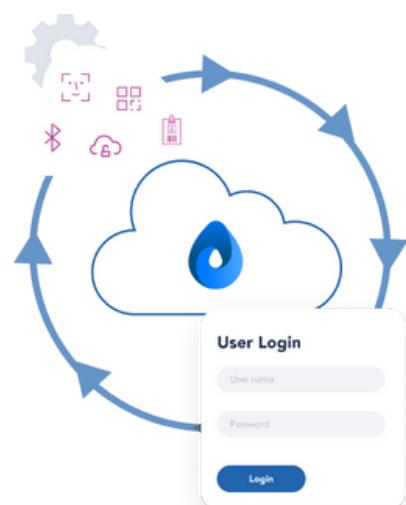
Traditional authentication solutions, such as OTPs sent via email or SMS, biometric systems, or password-based systems, are not designed for this demographic. They either require personal devices and email access, or they involve high costs and complex infrastructure, making them unsuitable for frontline workers using shared devices.

This is where Oloid Passwordless offers a groundbreaking solution. By leveraging existing RFID Badges, PINs, and Face Authentication using standard cameras, and offering NFC Tags as an alternative to RFID badges, Oloid Passwordless provides a **robust, cost-effective, and user-friendly solution** tailored to the needs of frontline workers.

With Oloid Passwordless, frontline workers can authenticate themselves on shared devices effortlessly, **without the need for personal mobile phones, emails, or expensive biometric systems**. Moreover, the solution provides an extra layer of security with the use of a PIN, ensuring the **authenticity** of the user and **significantly enhancing overall security**.

The system **integrates seamlessly with existing Access Control Systems** to auto-provision badge information, eliminating the need for special onboarding.

Furthermore, faces can be imported from existing badging/HR systems, or onboarded using an app provided by Oloid. In addition, self-onboarding options for Face, Badge, and PIN through kiosks enable users to onboard themselves at their convenience, **increasing adoption rates and reducing the load on IT and HR teams**.



The Key Benefits of Oloid Passwordless



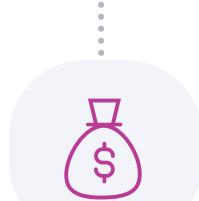
Enhanced Security

The combination of RFID Badges, PIN, Face Authentication, and NFC Tags provides a high level of security, making it difficult for unauthorized individuals to gain access to shared devices.



Improved User Experience

With no need for personal mobile phones or emails, frontline workers can authenticate themselves effortlessly, leading to a smoother user experience.



Cost Savings

By eliminating the need for traditional passwords and expensive biometric systems, organizations can significantly reduce costs associated with password resets, IT support, and hardware.



Scalability

The solution is designed to scale seamlessly, making it ideal for organizations with a large number of frontline workers.

Integration with Existing Infrastructure

Oloid Passwordless is designed to integrate seamlessly with existing IT and operational infrastructure:

- For **RFID badges**, it can tie into your existing Access Control Systems to auto-provision badge information, eliminating the need for special onboarding.
- For **Face Authentication**, since it uses 2D images, faces can be imported from existing badging/HR systems.

Additionally, Oloid provides an app that supervisors can use to onboard faces, making the process straightforward and user-friendly.

The Technology Behind Oloid Passwordless

Oloid Passwordless leverages three robust technologies for user authentication - RFID Badges, PIN, Face Authentication using standard cameras, and NFC Tags as an alternative to RFID badges.

RFID Badges



RFID Badges, already commonly used by frontline workers for identification, are an integral part of our solution. These badges contain embedded radio frequency identification chips that hold the user's data. When the badge is brought near an RFID reader, the reader captures the information, verifies it, and grants access only if the data matches the stored information.

PIN



For an additional layer of security, Oloid Passwordless uses a PIN alongside the RFID Badge. This combination further ensures the authenticity of the user, significantly enhancing the overall security of the system.



Face Authentication using Standard Cameras

Our Face Authentication technology uses advanced facial recognition algorithms to identify and authenticate users. Standard cameras capture the facial characteristics of a user, which are then compared with stored facial data. This technology distinguishes unique features, providing a highly secure and reliable authentication mechanism.



NFC Tags

As an alternative to RFID badges, Oloid Passwordless also supports NFC (Near Field Communication) tags. These tags, when brought near an NFC-enabled device, transmit the stored information, offering another convenient and secure way for frontline workers to authenticate themselves.

Best Deployment Practices for Oloid Passwordless

Deploying Oloid Passwordless requires thoughtful planning and execution, particularly when catering to frontline workers. The solution is designed to integrate easily with existing systems, making the deployment process smoother and more efficient. Here are six best practices to ensure a successful deployment:



Self-Onboarding

Oloid Passwordless provides self-onboarding options for Face, Badge, and PIN through kiosks.



Incremental Deployment

Start with a small group of frontline workers to test and refine the deployment process prior to a full-scale rollout.



User Training and Awareness

Ensure workers are aware of and understand the new authentication methods.



Regulatory Compliance

Ensure solution meets all relevant regulatory requirements for data privacy and security. Oloid is SOC2 Type II Certified



Scalability

The solution possess the capability to accommodate growth, aligning with the expanding workforce and the rising numbers of shared devices.



Continual Improvement and Adaptability

Regularly assess the solution's effectiveness, making adjustments to meet evolving needs and threats.

Top Scenarios for Modern, Passwordless Authentication



Shared Workstations

Multiple users may access the same computer across shifts. Facial or badge authentication allows rapid, password-free user switching.



Point-of-Sale (POS) Terminals

POS Terminals are used by cashiers to process transactions. Facial or badge authentication ensures authorized access and enhances accountability.



Kiosk Terminals

Kiosks are self-service computer stations. Employee facial or badge scans provide secure access to administrative functions.



Factory Tablets

Tablets are often utilized on factory floors. Badge or facial scans ensure only authorized personnel access certain functions.



Zebra Devices

Zebra Devices, like scanners or tablets, are shared among employees. Facial or badge scans enhance security and ease user transitions.



OT Systems & Time and Attendance

Facial or badge authentication ensures accurate logging, minimizes time theft, and integrates with legacy systems for an overview of workforce productivity.

“

The OLOID passwordless solution allows our frontline team members to effortlessly use technology, access apps, view their payroll and follow job instructions. There are amazing things we are able to do with our frontline team members, enabling them to enjoy work.



Robert Fowler

Director, IT Security at Tyson



Tyson

Six Best Practices to Accelerate Adoption of Oloid Passwordless in Zero Trust

Embarking on the journey to secure frontline worker authentication is straightforward. Drawing from our experience assisting numerous organizations to deploy passwordless MFA, we have created a six-step deployment process to accelerate the adoption of Oloid Passwordless at scale.



| Plan (3 weeks) | Validate (2 weeks) | Integrate (2 weeks) | Launch (2 weeks + Ongoing) | Adopt (Ongoing) | Measure (Ongoing) |
|--|---|---|---|---|---|
| Ensure readiness and alignment ahead of execution. | Confirm the process with a small group of users before broader rollout. | Ensure key apps and services are Oloid-ready. | Onboard Oloid credentials to users and plan Go Live events. | Drive adoption with best practice training and support. | Report on security and business value impact. |

1. Assemble Key Stakeholders



While the resources committed to the project can vary based on the size and scope of the Oloid Passwordless deployment, key stakeholders within the following departments can positively influence the implementation of passwordless MFA across the organization. It's important to have buy-in across all teams to ensure a smooth rollout:

- Finance
- IT Security
- Help Desk and Development
- HR/Learning
- Legal



2. Validate with a Small Group of Users



Validate the solution with a small group of users across a priority use case for confirmation and feedback, leveraging Oloid's best practice resource guides and support services. Practice, learn and then move forward with expansion.



3. Ensure Your Environment is Oloid-Ready

If you're opting for facial recognition as your authentication factor, every workstation or access point must be equipped with a web camera. Similarly, if badge authentication is your chosen method, ensure that all necessary terminals have functional USB badge readers installed. These essential hardware components not only facilitate smooth user authentication but also bolster the security and efficiency that Oloid promises.



Who needs access?

Employees,
contractors, third
parties, supply
chain

What authentication approach will you take?

SSO, MFA, Face, Badge

What types of devices need to be supported?

Owned, BYOD, desktop,
laptop, smartphone

Where in your environment do you require strong authentication?

Shared
Workstations,
Tablets, Web etc.

How do you manage access?

IAM, IdP, SSO

How does location impact deployment?

Factory, Lab etc

4. Get Keys in Hands and Plan Go Live Events

Validate the solution with a small group of users across a priority use case for confirmation and feedback, leveraging Oloid's best practice resource guides and support services. Practice, learn and then move forward with expansion.



Self-Onboarding



Build Up User Training & Support Materials



Boost Engagement



Demonstrate Value to the Organization & the User

5. Support Adoption and Boost Engagement



At Oloid, we believe success should not be measured by how many users you have, but by how many users are actively using the system.

6. Report on Security and Business Impact



We know the truth is in the numbers. Validate the pilot against these metrics, then expand to other users to increase the overall business impact. Measure the number of users activated, devices enabled, support time reductions related to password resets, productivity increases related to login times, security threats mitigated, and user satisfaction.

Conclusion

In the era of Zero Trust, Oloid Passwordless offers a robust, reliable, and worker-friendly solution for secure authentication. By leveraging RFID Badges, PIN, Face Authentication, and NFC Tags, it provides a strong, user-friendly, and cost-effective approach to Multi-Factor Authentication. Empower your frontline workers and secure your shared devices with Oloid Passwordless.



About Oloid

We enable secure and privacy-forward authentication with a unified identity framework that connects and manages workplace identity and access.

Contact Us

For more information and to get started with a free trial, check us out at oloid.ai

If you have any questions about how our product can work for you, contact us at sales@oloid.ai



440 N Wolfe Rd.
Sunnyvale, CA 94085



+1 (800) 711-9123



info@oloid.ai



www.oloid.ai



Scan the code to learn more
about OLOID's cyber-physical
convergence solution