DualAuth

Integrated Identity and Access Control for Zero Trust

AutoPassword Access Manager Product Introduction

01

Product Overview

02

Key Features

03

References

04

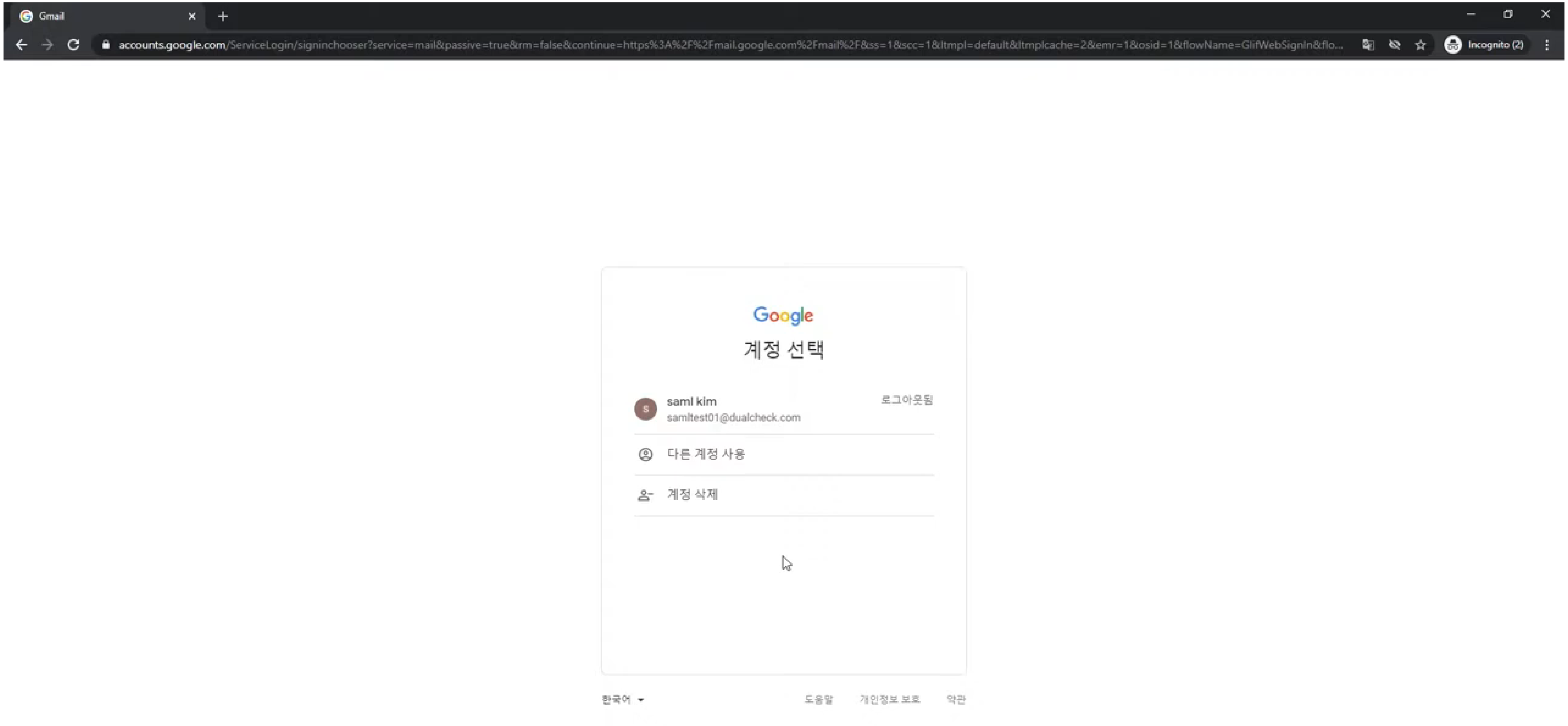
Contact

Integrated ID and Access Management Technology

AutoPassword
Access Manager

AutoPassword Access Manager, an integrated ID and access management solution, is an access control technology that not only manages integrated accounts for web applications such as email and groupware, but also encompasses business Windows PCs, Linux servers, and wireless networks to establish account issuance and access policies.

01 Product Overview



accounts.google.com/ServiceLogin/signinchooser?service=mail&passive=true&rm=false&continue=https%3A%2F%2Fmail.google.com%2Fmail%2F&ss=1&scc=1&ltmpl=default&ltmplcache=2&emr=1&osid=1&flowName=GlifWebSignIn&flo...

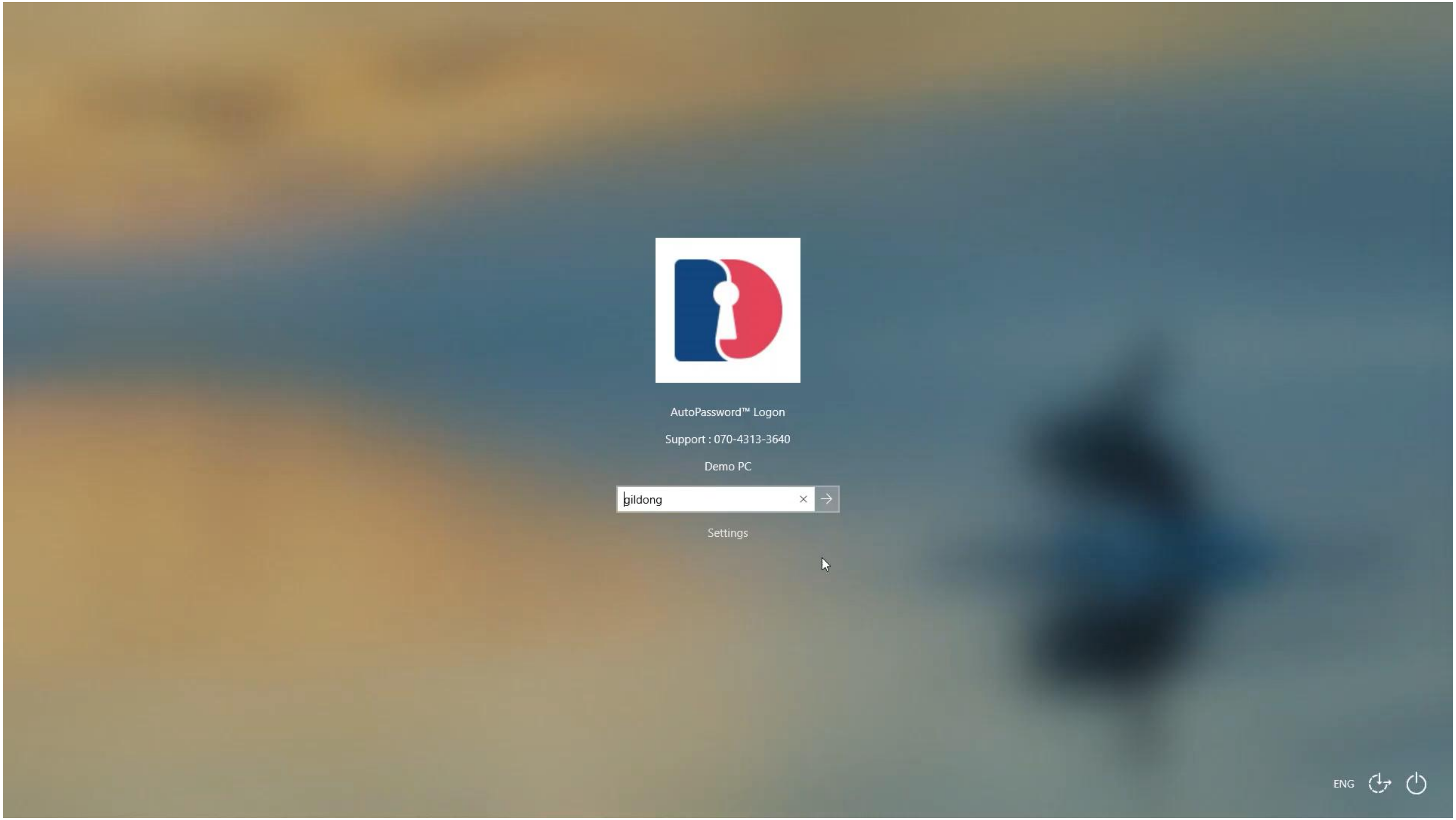
Google

계정 선택

saml kim
samltest01@dualcheck.com

https://youtu.be/l5H1C9gz7tg

01 Product Overview



AutoPassword™ Logon

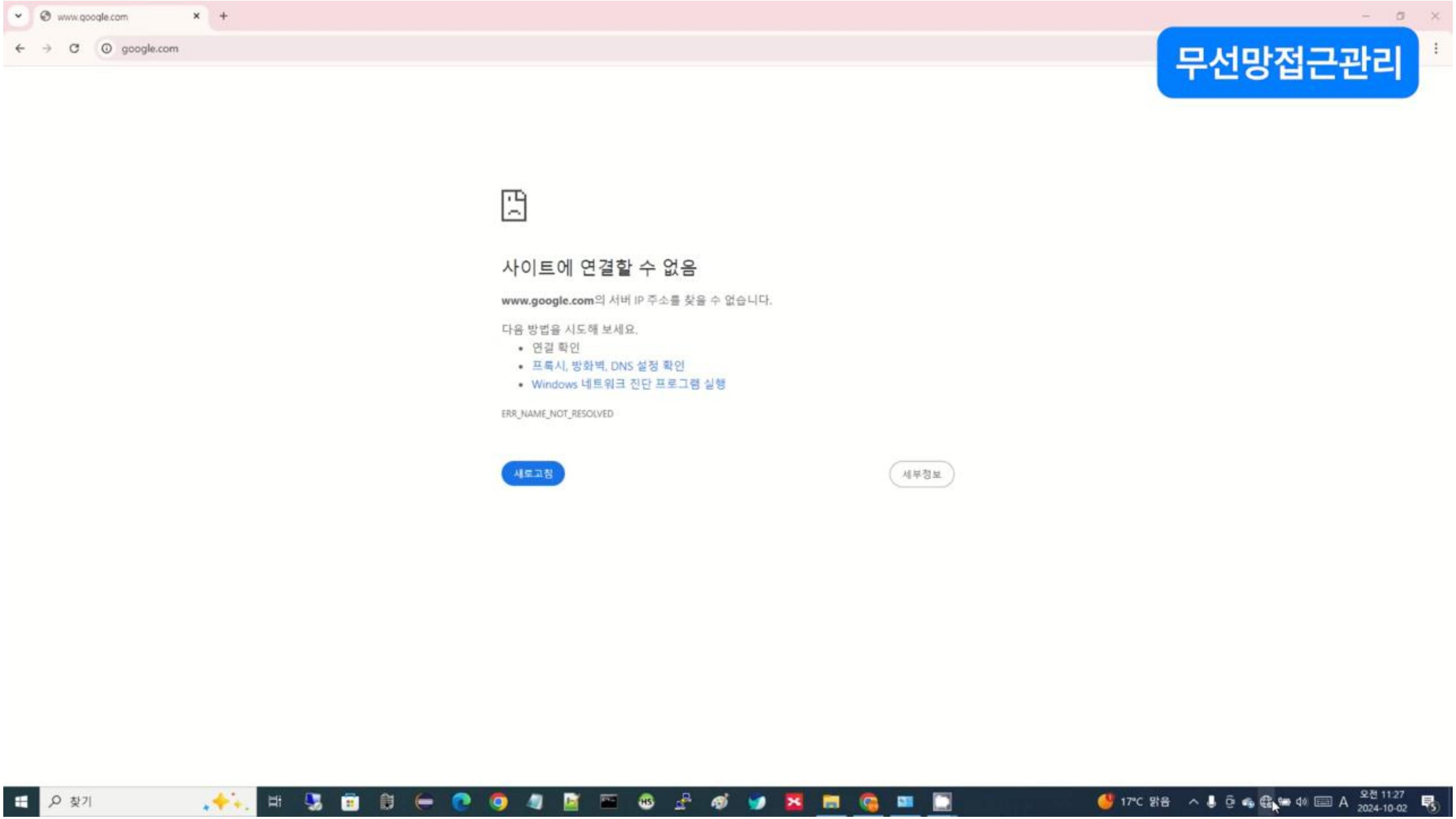
Support : 070-4313-3640

Demo PC

gildong

https://youtu.be/cjmjBDwgw00

01 Product Overview



사이트에 연결할 수 없음

www.google.com의 서버 IP 주소를 찾을 수 없습니다.

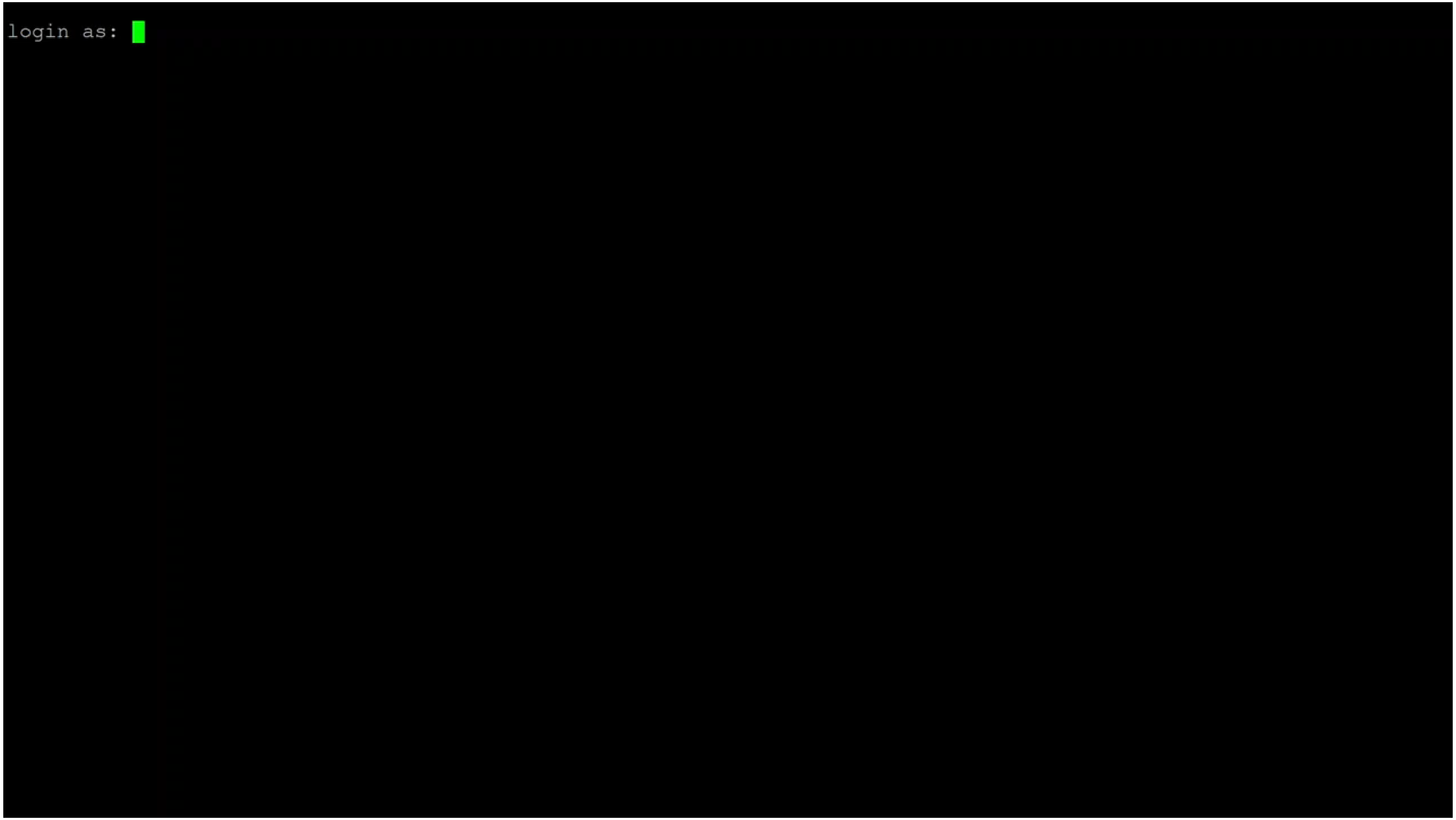
다음 방법을 시도해 보세요.

- 연결 확인
- 프록시, 방화벽, DNS 설정 확인
- Windows 네트워크 진단 프로그램 실행

ERR_NAME_NOT_RESOLVED

https://youtu.be/3Es3Ru9OcLQ

01 Product Overview



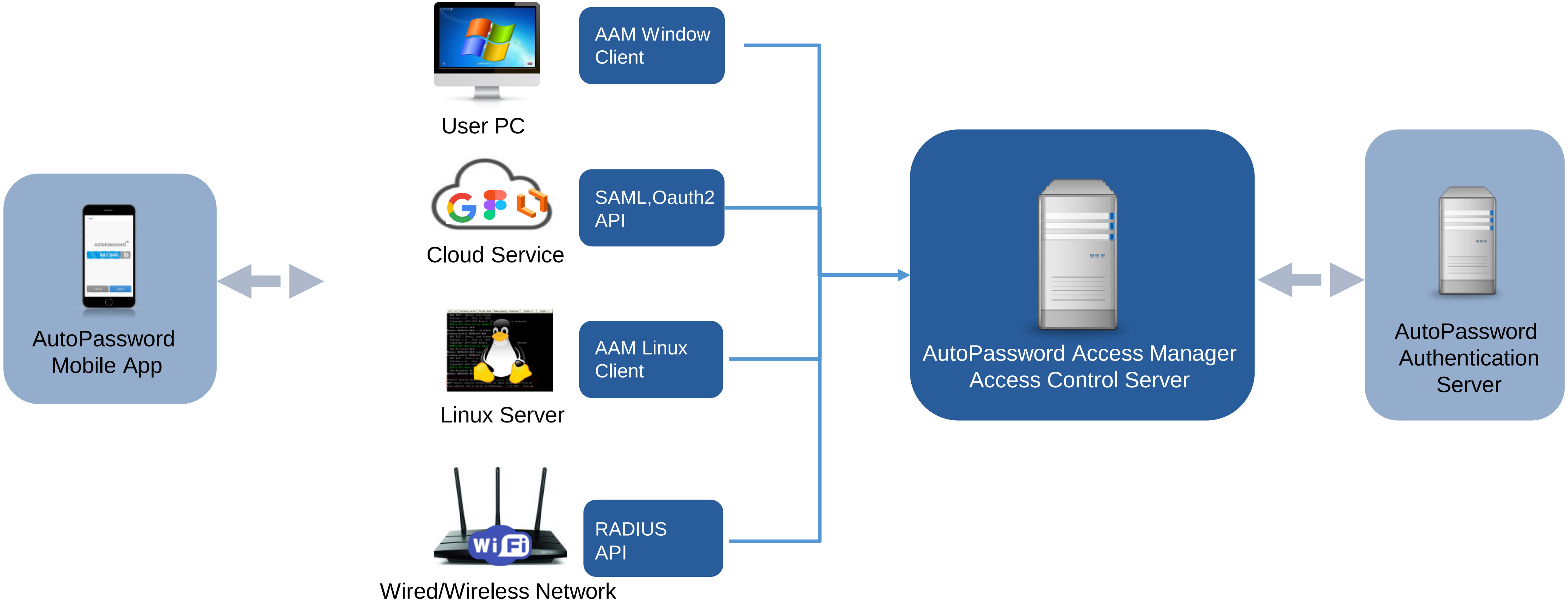
```
login as: 
```

https://youtu.be/FDt0i06otUI

AutoPassword Access Manager Architecture

To switch to AutoPassword Access Manager, all you need is to install the Access Manager server and client on your existing business system and add the AutoPassword authentication server and mobile app. This process enables a secure and convenient authentication environment without significantly changing the existing system structure.

The administrator first installs the Access Manager server, then installs the client program or integrates the API to enable communication between the business system and the server. Additionally, Access Manager supports standard authentication protocols such as SAML, OAuth2, and OpenID Connect, allowing easy integration with various cloud services.



01

Product Overview

02

Key Features

03

References

04

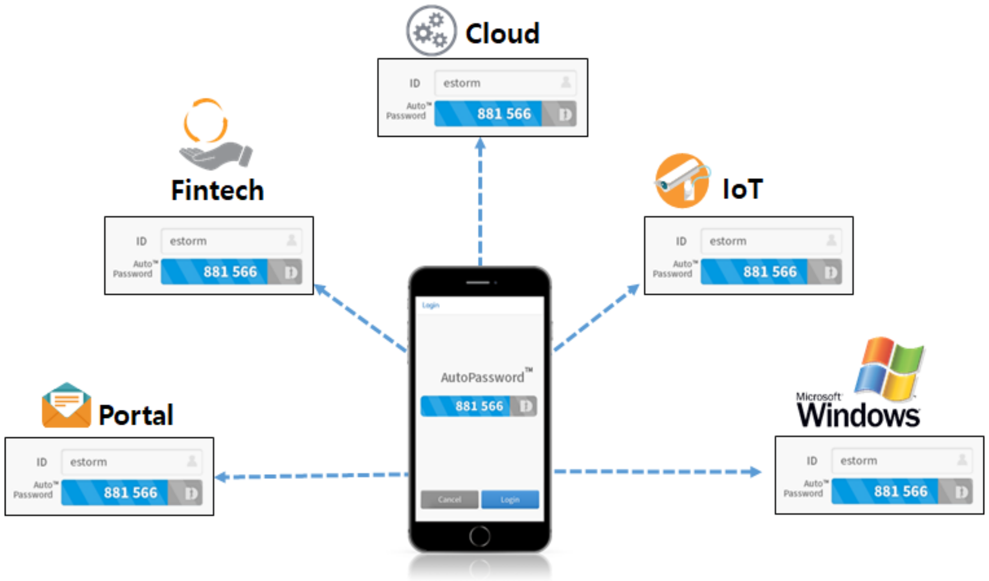
Contact

02 Key Features

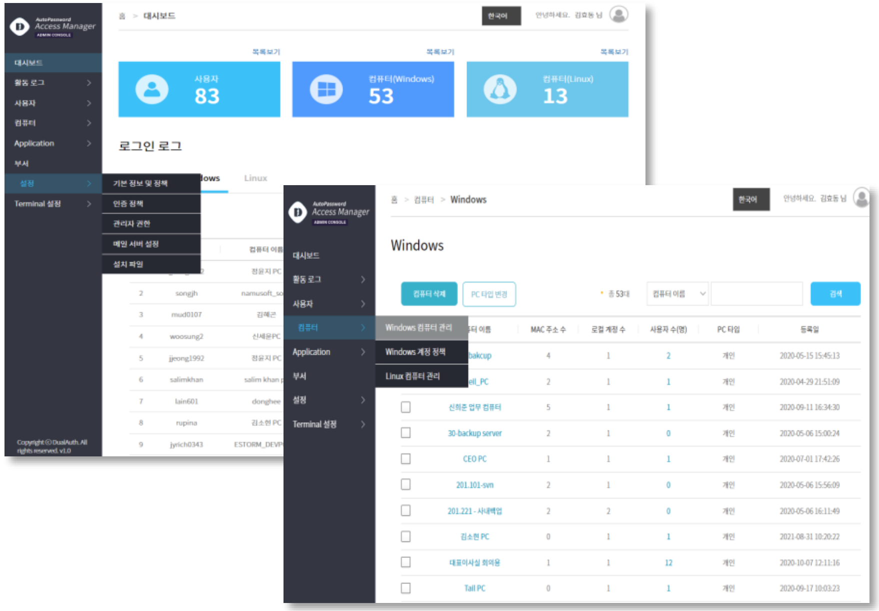
Feature 1 – Log in to all business systems with a single integrated ID and manage usage history

AutoPassword Access Manager provides an integrated environment in which users can access various business systems—such as PCs, email, cloud services, Linux servers, and wired/wireless networks—with a single ID and authentication method. To achieve this, it integrates with various account management and authentication methods , including Windows AD accounts, local accounts, 802.1X/RADIUS-based wireless networks, SAML, OAuth2, Open ID Connect, and Linux PAM. Administrators can flexibly configure access policies for each user or organization and systematically manage usage history through a single management console.

Log in to all business systems with a single integrated ID and AutoPassword



View login history of business systems by integrated ID



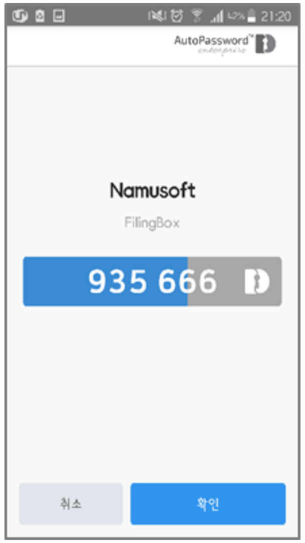
		컴퓨터 이름
	...2	정윤지 PC
2	songjh	namusoft_so...
3	mud0107	김혜곤
4	woosung2	신세윤PC
5	jjeong1992	정윤지 PC
6	salimkhan	salim khan p...
7	lain601	donghee
8	rupina	김소현 PC
9	jyrich0343	ESTORM_DEVP...

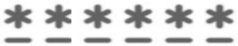
	...터 이름	MAC 주소 수	로컬 계정 수	사용자 수(명)	PC 타입	등록일
	...bakcup	4	1	2	개인	2020-05-15 15:45:13
	...ell_PC	2	1	1	개인	2020-04-29 21:51:09
☐	신희준 업무 컴퓨터	5	1	1	개인	2020-09-11 16:34:30
☐	30-backup server	2	1	0	개인	2020-05-06 15:00:24
☐	CEO PC	1	1	1	개인	2020-07-01 17:42:26
☐	201.101-svn	2	1	0	개인	2020-05-06 15:56:09
☐	201.221 - 사내백업	2	2	0	개인	2020-05-06 16:11:49
☐	김소현 PC	0	1	1	개인	2021-08-31 10:20:22
☐	대표이사실 회의용	1	1	12	개인	2020-10-07 12:11:16
☐	Tail PC	0	1	1	개인	2020-09-17 10:03:23

Feature 2 – Support for various authentication methods including AutoPassword

AutoPassword Access Manager provides AutoPassword as the default authentication method, enabling out-of-band biometric authentication even on devices without biometric sensors. With this, users can securely log in to business cloud services or Linux servers by verifying the auto password presented by the business system on their smartphone, without manually entering authentication values. In addition, to prepare for situations such as smartphone loss, it supports various alternative authentication methods including FIDO, OTP, one-day temporary passwords, and AAM passwords.

In addition to AutoPassword, supports OTP, FIDO fingerprint authenticators, one-day temporary passwords, etc. for use in case of smartphone loss.

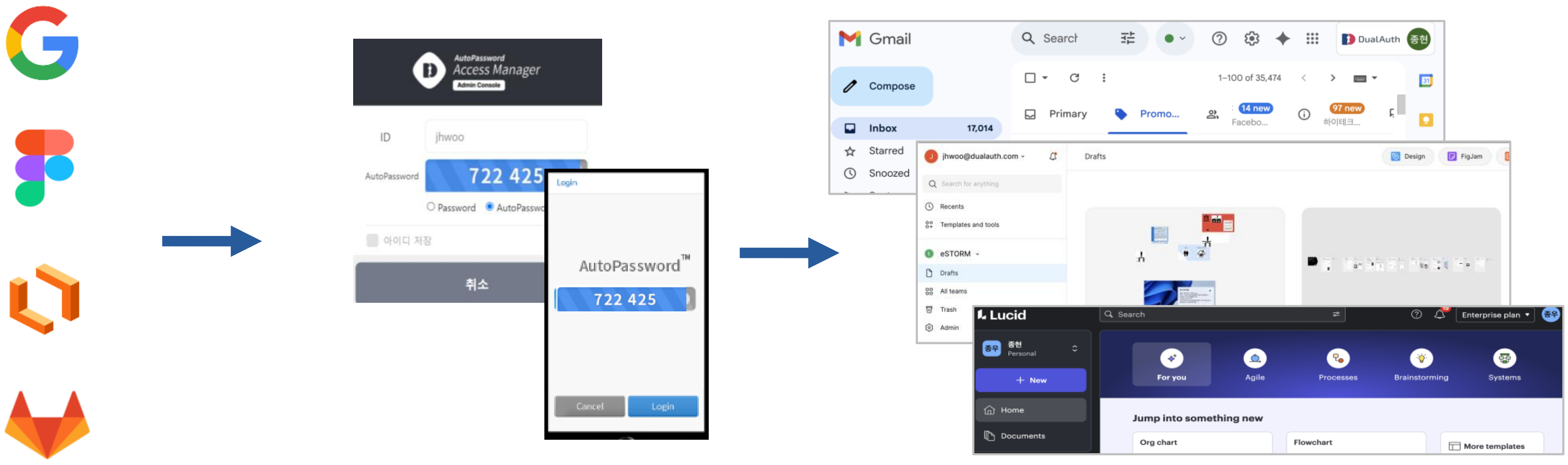




Feature 3 – Integrated login for cloud services and business applications

AutoPassword Access Manager supports standard authentication protocols such as SAML, OAuth2, and OpenID Connect, enabling integrated login with AutoPassword for major cloud services and business web applications. More than 20 major cloud services, including Google Workspace, Figma, LucidChart, Dropbox, GitHub, and WordPress, are already connected, and additional business applications in operation can be integrated using standard protocols. With AutoPassword applied to standard authentication protocols, the most secure federated authentication becomes possible.

Login to various cloud services with a unified ID and AutoPassword



ID jhwoo

AutoPassword 722 425

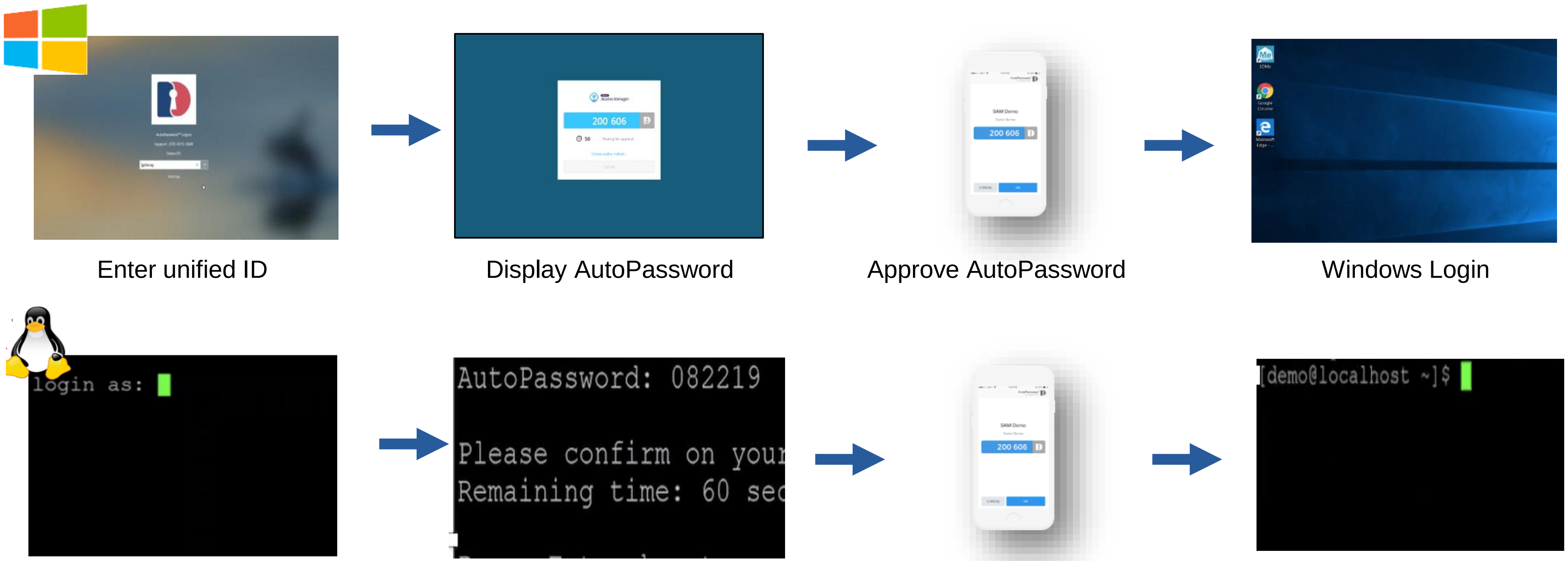
○ Password ● AutoPassword

02 Key Features

Feature 4 – Integrated login for Windows PCs and Linux servers

AutoPassword Access Manager supports login with AutoPassword on Windows PCs and Linux servers. Even on PCs or Linux servers without biometric sensors, users can securely verify access to PCs or Linux servers through out-of-band biometric authentication. Instead of entering passwords or other authentication values directly on work devices, users can log in by verifying the auto password presented by the Windows or Linux system on their smartphone, achieving both security and convenience. In addition, the operating system password is automatically updated each time the user logs in, freeing them from password change management. (For Windows, both Local Account and AD Account are supported.)

Login to Windows PCs and Linux terminals with AutoPassword



Enter unified ID → Display AutoPassword → Approve AutoPassword → Windows Login

```
login as:
```

```
AutoPassword: 082219

Please confirm on your
Remaining time: 60 sec
```

```
[demo@localhost ~]$
```

Enter unified ID → Display AutoPassword → Approve AutoPassword → Linux Login

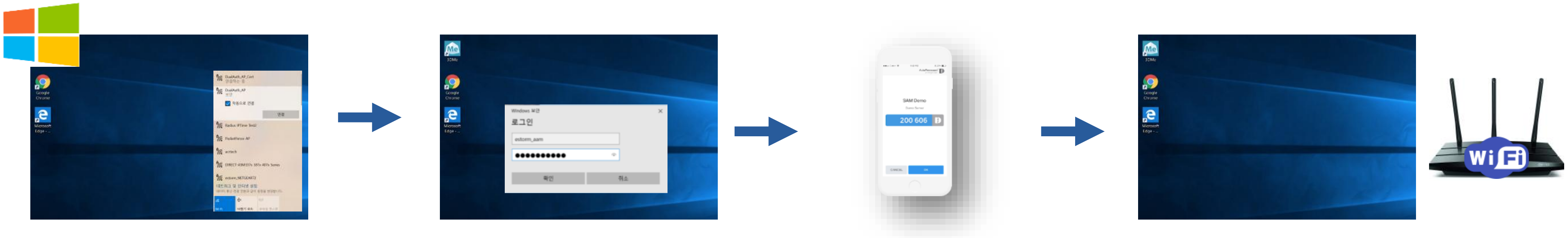
Feature 5 – Unified Login for Wired and Wireless Networks

AutoPassword Access Manager supports logins on wired and wireless network devices using RADIUS authentication combined with the AutoPassword app. Normally, it is difficult to modify the authentication window for network access, but AAM solves this issue through its SelfPassword feature within the app.

Users simply enter their unified ID in the ID field and any arbitrary SelfPassword in the password field. The same SelfPassword will then appear in the AutoPassword app on the user’s smartphone. Once the user approves it through smartphone biometric authentication, the network connection is completed.

This allows users to connect securely to wired and wireless networks using their smartphone, even on PCs without biometric sensors and where the authentication window cannot be modified.

Login to wired/wireless networks where the authentication window cannot be modified using SelfPassword



Select wireless network

Enter unified ID and SelfPassword

Approve SelfPassword in AutoPassword app

Connect to wireless network

01

Product Overview

02

Key Features

03

References

04

Contact

03 References

KB국민은행	KB Kookmin Bank - Establishing and applying a mutual authentication-based enhanced user authentication system through the Zero Trust Adoption Pilot Project
우리은행	Woori Bank - Passwordless PC access management and application access management for Woori Bank employees
유안타증권	Yuanta Securities - Passwordless PC access management and application access management for Yuanta Securities employees
통계청	National Library of Korea - Controlling login rights for statistical information viewing PCs installed in the library introduced by Statistics Korea
KORAIL	Korea Railroad Corporation - Implemented passwordless authentication to strengthen user terminal authentication security for the next-generation Nara Market System
KOMSA 한국해양교통안전공단	Korea Maritime Transportation Safety Authority - Enhanced user login security using passwordless authentication for external webmail login
한국관광공사	Korea Tourism Organization - Enhanced authentication security for managers and partners for system development operations in every corner of Korea
KIAT	Korea Advanced Institute of Industrial Technology - Introduced to internal work system for employees to control individual access to internal and external networks
구리시	Guri City Hall - Responding to security compliance through login security and automatic password change when accessing important servers
CW 건설근로자공제회 Construction Workers Mutual Aid Association	Construction Workers' Mutual Aid Society - Strengthened login security of server system to improve internal system operation

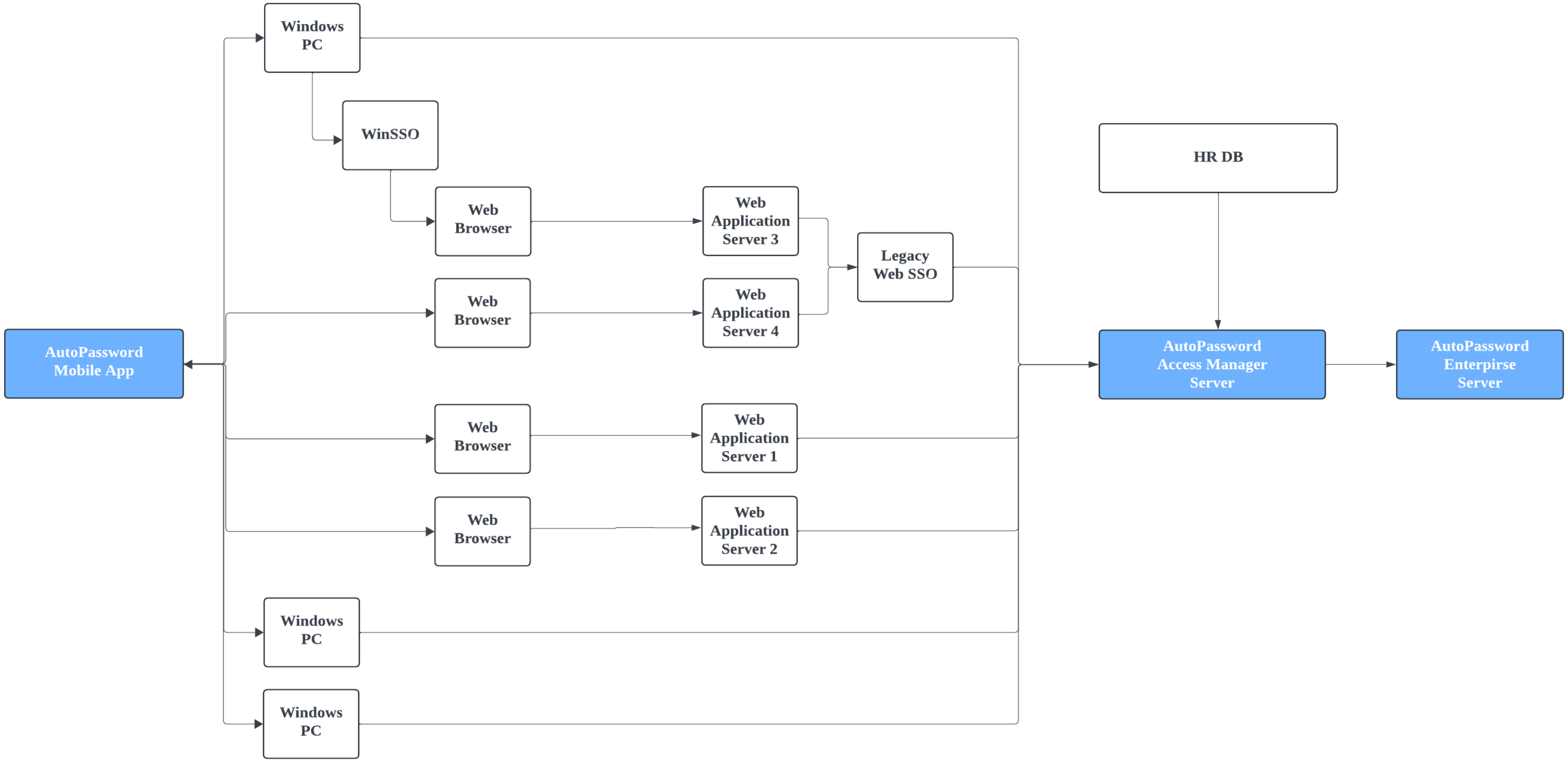
03 References

Case 1. Unified identity authentication and access control for employees

- **Background:** Solved the inconvenience of managing more than 3 IDs/PWs for employees' Windows PCs and 7 business applications, partially applied 2FA, and established an integrated authentication system and establish an integrated authentication system for management
- **Business scope:** 50,000 Windows PCs, existing SSO server, and more than 10 web applications
- **Effects**

- Improved user convenience by reducing the complexity of authentication by integrating PW and 2FA for SSO of the web portal in use as a password service.

- Established an integrated access management system for numerous Windows PCs deployed at various locations and business applications for each user



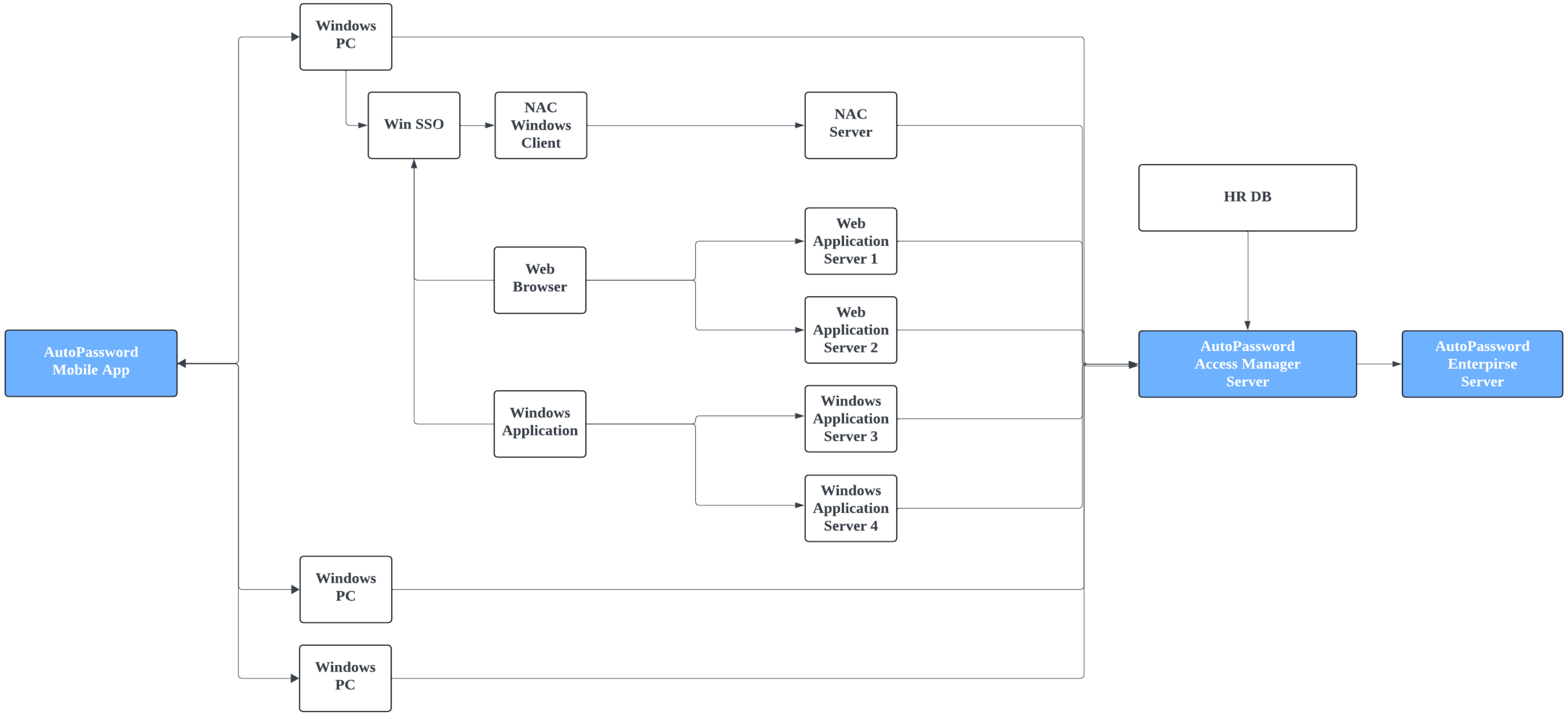
03 References

Case 2. Integrated ID authentication and access control management for employees

- **Background:** To solve the inconvenience of managing two or more IDs and PWs for Windows PCs and 10 business applications, it is necessary to improve the user authentication environment for PCs and business applications by switching to an integrated ID and passwordless authentication system.
- **Business scope:** 5,000 Windows PCs, wired network user authentication, around 10 Windows/web applications
- **Effect**

  - Improved accessibility of current users to Windows login and work applications through continuous authentication for NAC, work applications, and individual web applications within the effective time by establishing a continuous authentication system after Windows authentication.

  - Implemented a differentiated authentication process to distinguish security levels, requiring biometric authentication for initial access to the PC when entering the workplace and simple smartphone authentication when the screen is locked during work.



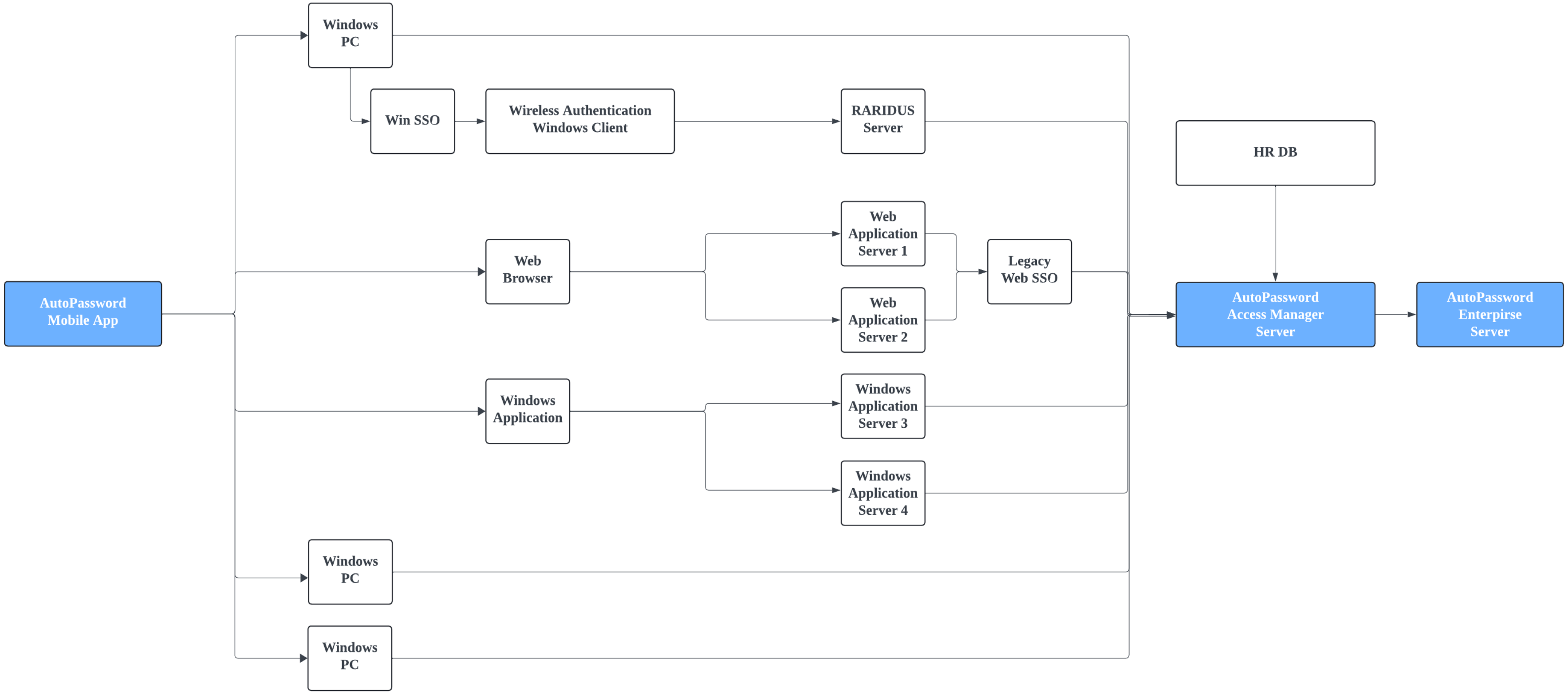
Case 3. Integrated ID authentication and access control for employees

- **Background:** Solving the inconvenience of managing Windows PCs and two or more ID/PWs for employees and improving accessibility of PC use to the in-house wireless network authentication environment
- **Business scope:** Windows PCs, wireless network, existing Web SSO server, 10+ web applications
- **Effects**

- Transitioned to a system that authenticates not only Windows PCs but also business applications at once with integrated ID and passwordless method.

- Significantly improved the accessibility of users' laptop usage by continuously authenticating to the wireless network within the effective time through continuous authentication after Windows authentication.

- Significantly improved the usability of existing PCs and web portal SSO by connecting the authentication method for existing web SSO in a passwordless manner.



03 References

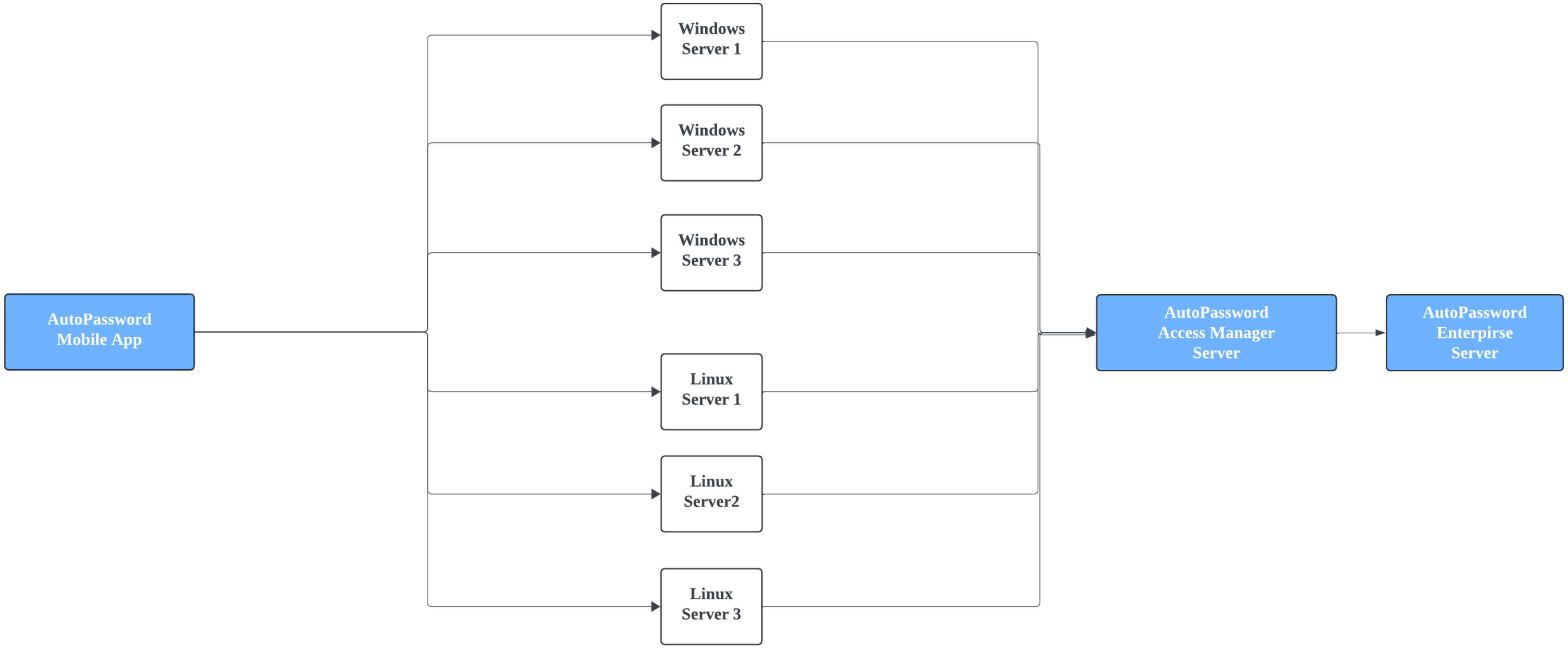
Case 4. Integrated Identity Authentication and Access Control for IT and Outsourcing

- **Background:** A small computer team needed to improve the efficiency of account and password management for dozens of servers.
- **Business scope:** OO Windows servers and OO Linux servers
- **Effect**

- Established a systematic integrated account and access management environment for server system

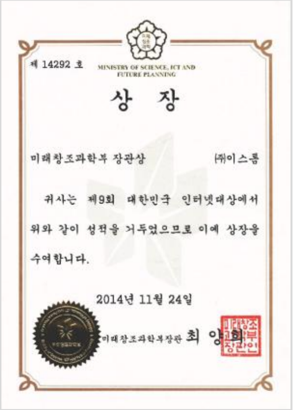
- Strengthened access control for outsourced personnel and improved work efficiency by switching authentication to passwordless for server access by outsourcing companies

- Improved administrator work efficiency by automating password change management for OO Women's University servers under operational management



03 References

Awards



제 14292 호

MINISTRY OF SCIENCE, ICT AND FUTURE PLANNING

상 장

미래창조과학부 장관상 ㈜이스톰

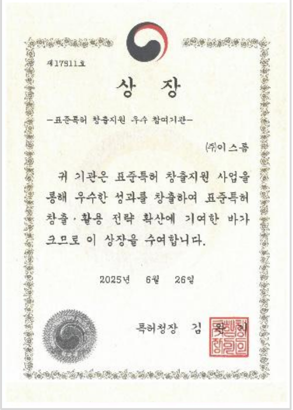
귀사는 제9회 대한민국 인터넷대상에서 위와 같이 성적을 거두었으므로 이에 상장을 수여합니다.

2014년 11월 24일

미래창조과학부장관 최 양 희

미래창조과학부장관인

The Korea Internet Awards



제17511호

상 장

-표준특허 창출지원 우수 참여기관-

㈜이스톰

귀 기관은 표준특허 창출지원 사업을 통해 우수한 성과를 창출하여 표준특허 창출·활용 전략 확산에 기여한 바가 크므로 이 상장을 수여합니다.

2025년 6월 26일

특허청장 김 완 기

The Commissioner's Award

Standard Technologies

정보통신단체표준(국문표준)

TTAK.KO-12.0383 제정일: 2022년 6월 29일

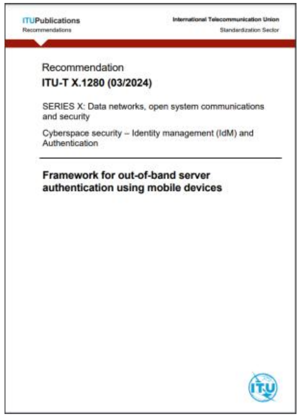
TTA Standard

모바일 단말을 이용한 대역 외 서버 인증 프레임워크

Framework for Out-of-Band Server Authentication Using Mobile Devices

TTA 한국정보통신기술협회 Telecommunications Technology Association

TTAK.KO-12.0383



ITUPublications Recommendations

International Telecommunication Union Standardization Sector

Recommendation

ITU-T X.1280 (03/2024)

SERIES X: Data networks, open system communications and security

Cyberspace security – Identity management (IdM) and Authentication

Framework for out-of-band server authentication using mobile devices

ITU X.1280

Presentations

FINOVATE FALL2016 ALUMNI

NEW YORK

FinovateFall 2016 Presenter

https://youtu.be/w2NtbPVaHSk

https://youtu.be/rBUK45fdBtY?t=838

FINOVATE FALL2018 ALUMNI

NEW YORK

FinovateFall 2018 Presenter

https://youtu.be/-DG-LYmRVfk

TRUSTECH Payments | Identification | Security

https://youtu.be/nF72E24BCec

Certificates

fido CERTIFIED UAF

GOOD Software

ISO/IEC 25023, 25051, 25041

oath initiative for open authentication

IBM Security

DualAuth

01

Product Overview

02

Key Features

03

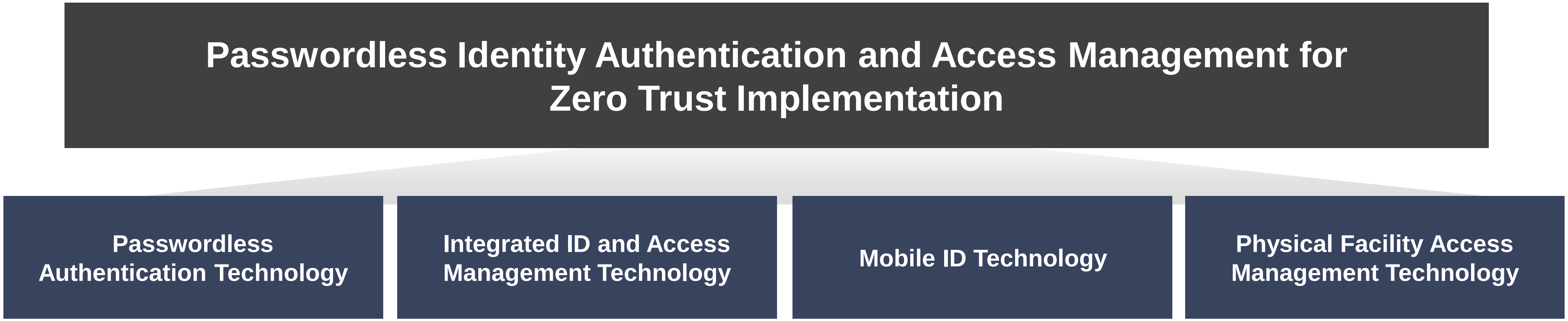
References

04

Contact

Specialists in passwordless identity and access management

DualAuth is a technology company providing passwordless identity authentication and access management solutions. Its primary solutions include passwordless authentication solutions, integrated ID and access management, mobile ID solutions, and physical facility access management. These technologies possess outstanding usability and security, as evidenced by their adoption as ITU standards X.1280 and X.oob-pacs under the UN's International Telecommunication Union. They are gaining attention as core technologies in the Zero Trust era. DualAuth is promoting its free Passwordless X1280 solution globally through the Passwordless Alliance based in Geneva, Switzerland, to solve password problems for B2C online services worldwide and advance ESG implementation.



Passwordless Identity Authentication and Access Management for Zero Trust Implementation

- Passwordless Authentication Technology
- Integrated ID and Access Management Technology
- Mobile ID Technology
- Physical Facility Access Management Technology

Passwordless Authentication Technology	Integrated ID and Access Management Technology	Mobile ID Technology	Physical Facility Access Management Technology
AutoOTP	AutoPassword	AutoPassword ID Card	AutoPassword ID Card
AutoPassword	AutoPassword Access Manager	AutoPassword ID Card Reader	AutoPassword IoT Controller

04 Contact

DualAuth

- Company : DualAuth
- Website : www.dualauth.com
- General Inquiry : support@dualauth.com

Request Implementation

- Address : 130 Digtal-ro,Suite 1311,Gumchon-gu Seoul 08589
- Telephone : +82-2-6925-1305
- Business Inquiry : sales@dualauth.com

Thank you