Siemens Authentication Process

Overview – MyID and Siemens ID

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Table of Contents

Page 3 Restricted | © Siemens 2022 | April 2022 SIEMENS

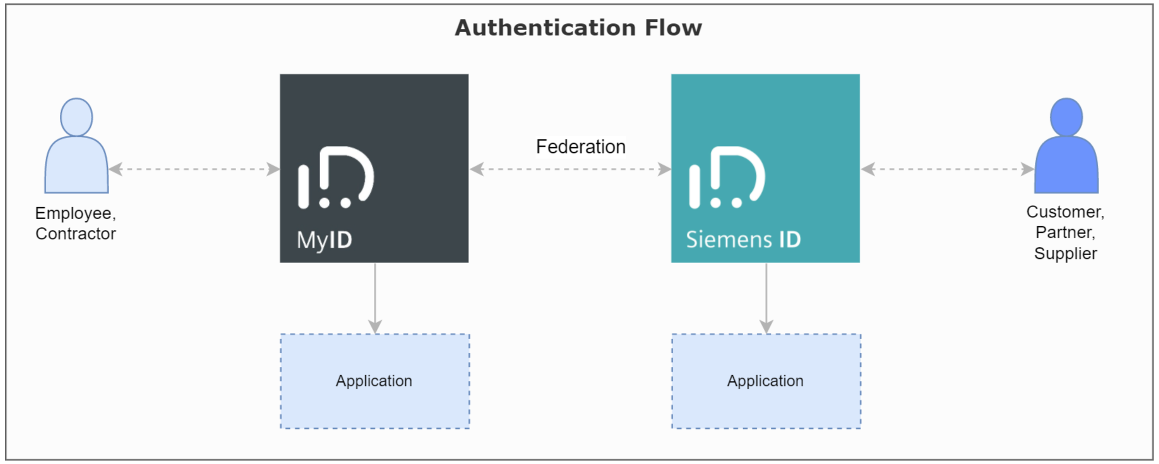
Page 6 Restricted | © Siemens 2022 | April 2022 SIEMENS

Page 10 Restricted | © Siemens 2022 | April 2022 SIEMENS

Page 14 Restricted | © Siemens 2022 | April 2022 SIEMENS

Introduction

Authentication Flow

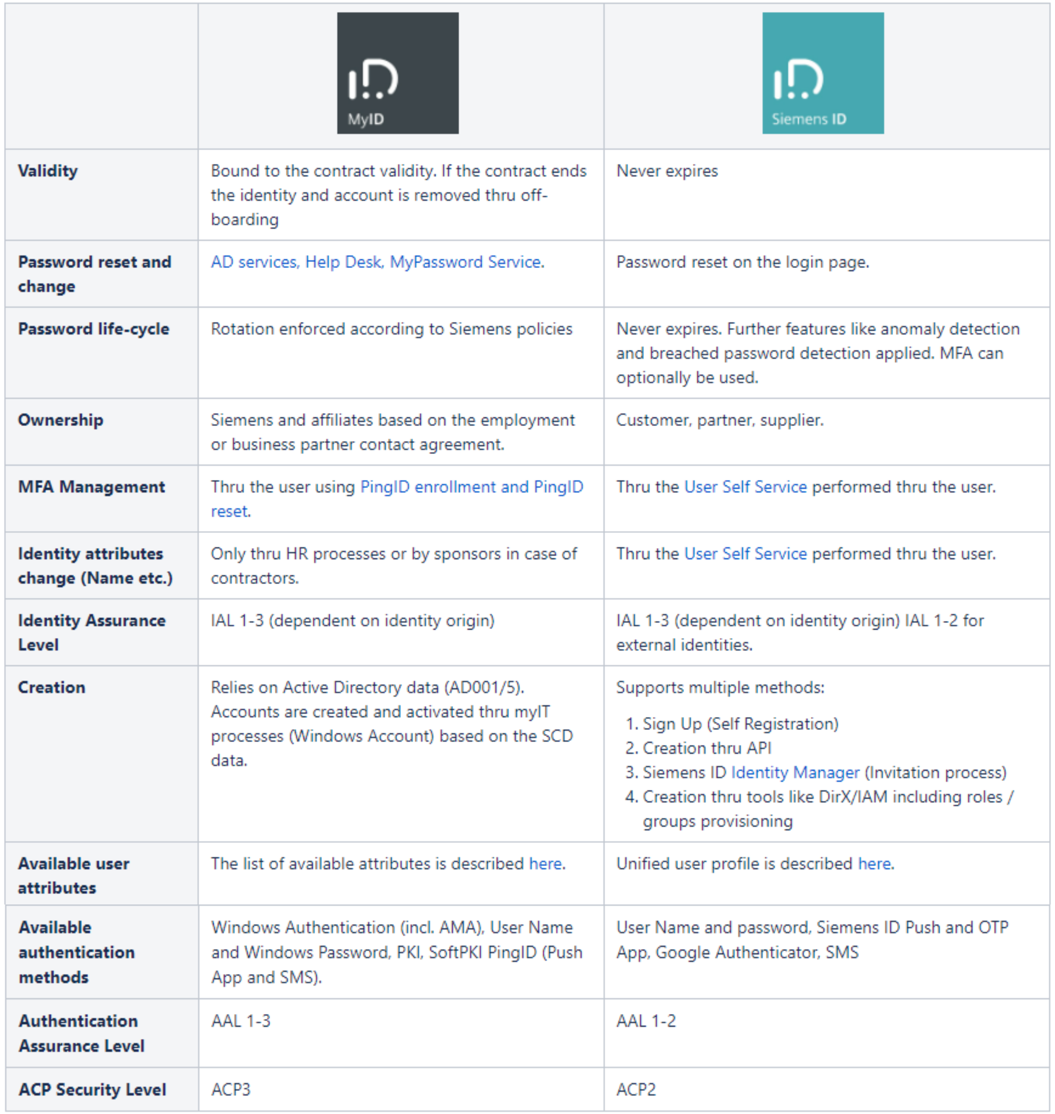


Because MyID and Siemens ID federate in both directions each of the systems can focus on serving their user group more focused. MyID is focused on the employee authentication (including contractors) while Siemens ID on customers, suppliers and partners. Thru federations the access to any application can be provided at any direction. The application owner however is expected to define the primary use group for which the application is positioned to decide which service is more reasonable to integrate with.

Example 1: an application is built to offer configuration serve customers for ordering a Siemens digital product while Siemens employees have to authenticate to administer this solution. Siemens ID would be the better choice to integrate.

Example 2: a Siemens internal application require some external identities of suppliers to login. Here MyID is likely to be a better choice to integrate with.

Identity Management



	MyID	Siemens ID
Validity	Bound to the contract validity. If the contract ends the identity and account is removed thru off-boarding	Never expires
Password reset and change	AD services, Help Desk, MyPassword Service.	Password reset on the login page.
Password life-cycle	Rotation enforced according to Siemens policies	Never expires. Further features like anomaly detection and breached password detection applied. MFA can optionally be used.
Ownership	Siemens and affiliates based on the employment or business partner contact agreement.	Customer, partner, supplier.
MFA Management	Thru the user using PingID enrollment and PingID reset.	Thru the User Self Service performed thru the user.
Identity attributes change (Name etc.)	Only thru HR processes or by sponsors in case of contractors.	Thru the User Self Service performed thru the user.
Identity Assurance Level	IAL 1-3 (dependent on identity origin)	IAL 1-3 (dependent on identity origin) IAL 1-2 for external identities.
Creation	Relies on Active Directory data (AD001/5). Accounts are created and activated thru myIT processes (Windows Account) based on the SCD data.	Supports multiple methods: 1. Sign Up (Self Registration) 2. Creation thru API 3. Siemens ID Identity Manager (Invitation process) 4. Creation thru tools like DirX/IAM including roles / groups provisioning
Available user attributes	The list of available attributes is described here.	Unified user profile is described here.
Available authentication methods	Windows Authentication (incl. AMA), User Name and Windows Password, PKI, SoftPKI PingID (Push App and SMS).	User Name and password, Siemens ID Push and OTP App, Google Authenticator, SMS
Authentication Assurance Level	AAL 1-3	AAL 1-2
ACP Security Level	ACP3	ACP2

Identity management is a process of creating, changing and deactivating of identities.

On the left you can see the differences between both systems or find the table on the Wiki page here.

Authentication for Siemens externals without SCD-Entry

Siemens ID

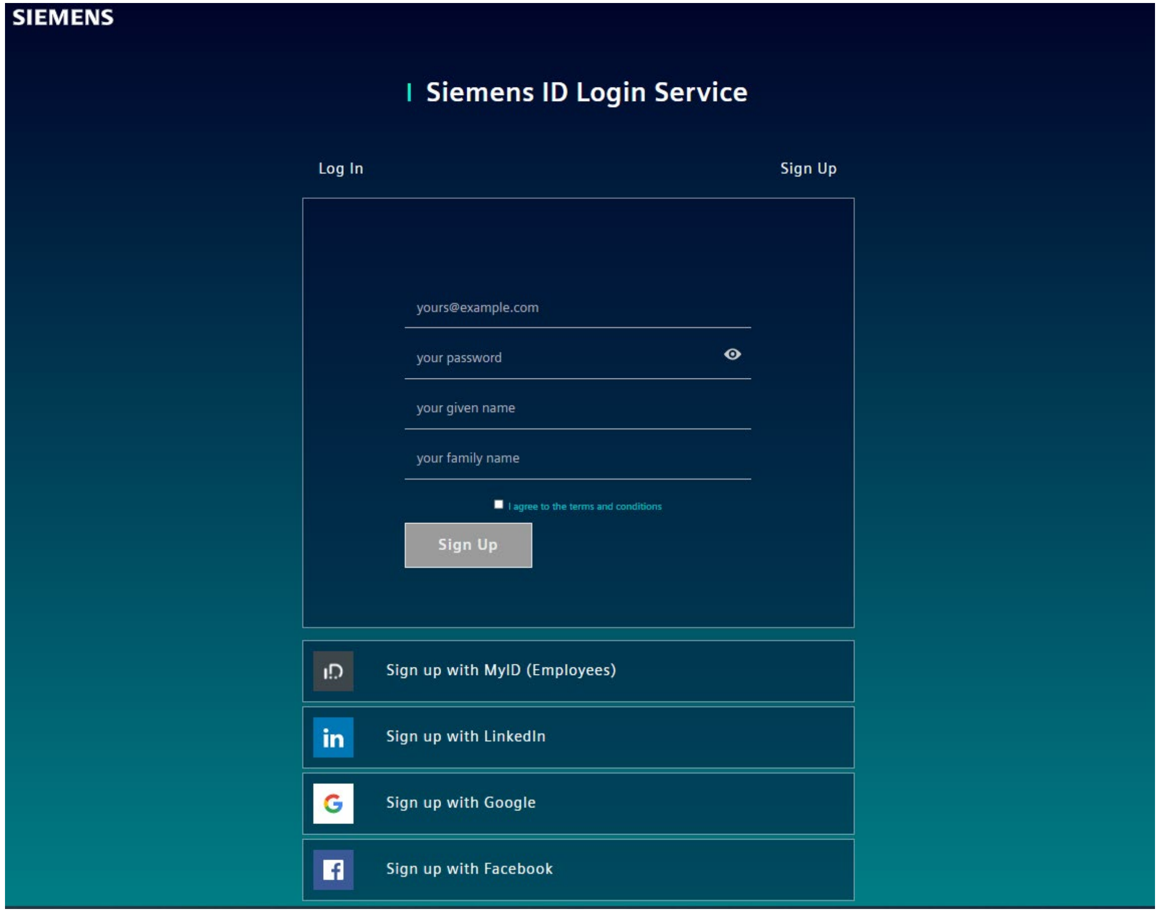
What is Siemens ID?

Siemens ID enables secure access of Siemens employees, customers and partners to different Siemens application and services. With Siemens ID, you can use one digital identity to access different/most services provided to Siemens.

What do I need to do to sign-up (self-register) for a new digital identity in Siemens ID?

A working email address is required for the creation of a new digital identity in Siemens ID. You must also provide your family name, your given name and a password which complies with the Siemens ID password policy. Your new digital identity in Siemens ID will only be activated after you validated your email by clicking on the link in the confirmation email we send you.

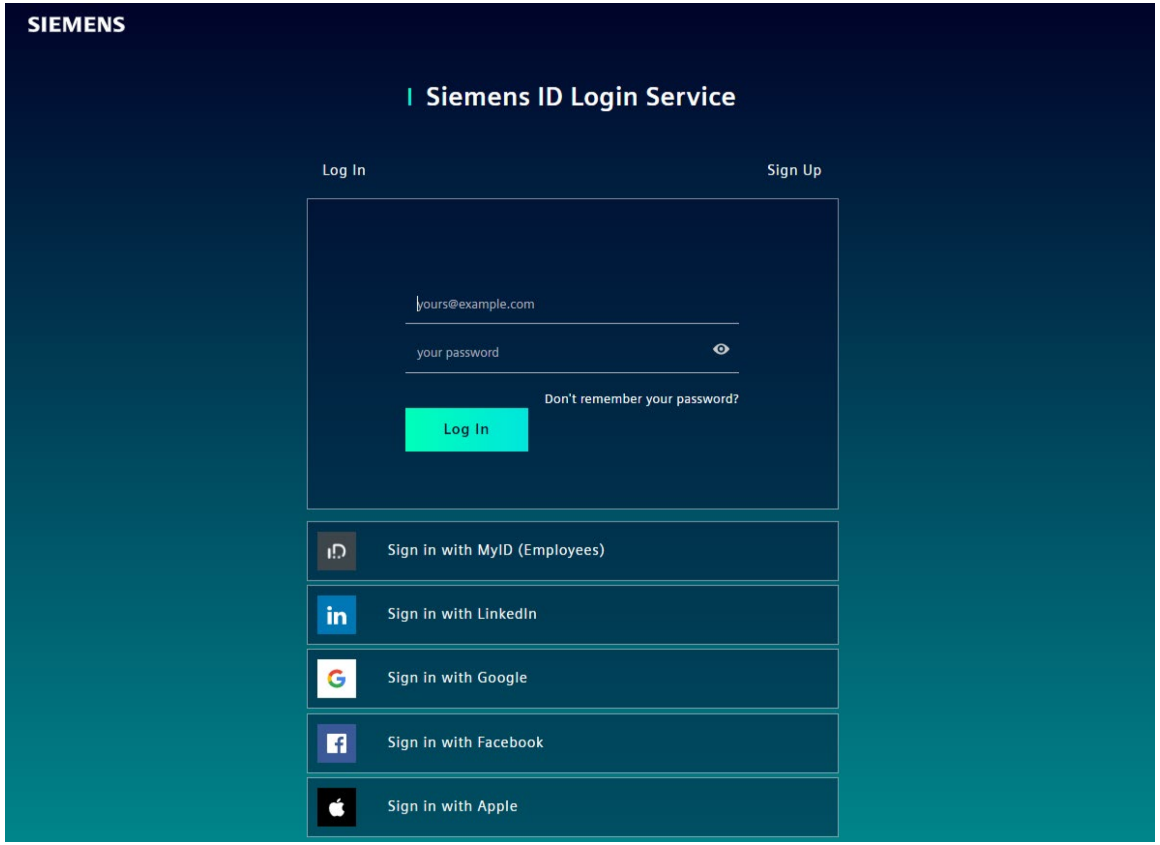
1. Step – Siemens ID Sign Up



Where can sign-up (self-register) for a new digital identity in Siemens ID?

You can use the ‘Sign-up tab’ of a connected Siemens application (if activated for this application) or use the ‘Sign-up tab’ in the login window of the ‘User Self Service Portal’ of Siemens ID: https://uss.login.siemens.com. Please be aware, that this will not automatically authorize you to use specific Siemens applications and services.

2. Step – Siemens ID Login



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Siemens ID Login Service

Log In

Sign Up

yours@example.com

your password

Don't remember your password?

Log In

Sign in with MyID (Employees)

Sign in with LinkedIn

Sign in with Google

Sign in with Facebook

Sign in with Apple

After signing up, you can login by using your provided email address and your password.

Authentication for Siemens internal with existing SCD entry

MyID

What is MyID?

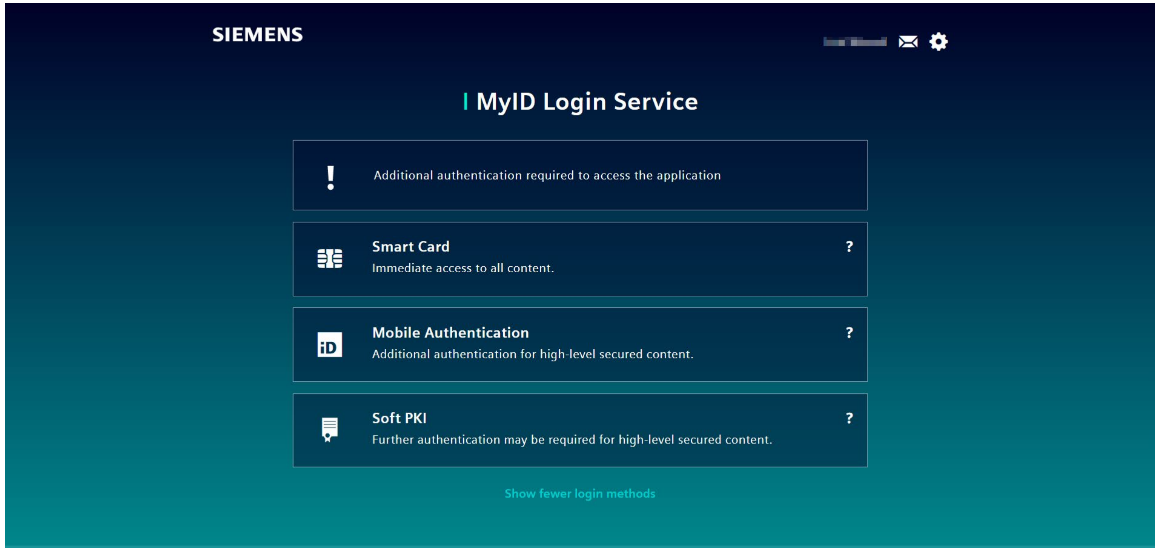
- Proceeds authentication of users, placed in attached Active Directory (AD) Forests (As Oct. 2020: AD001 - SAG, AD005 - SHS, AD101 - SE) and provide their AD attributes to applications.
- Proceeds authentication of users, provided Siemens certificates (Kerberos, PKI and Soft PKI) and provide their AD attributes to applications.
- Forward the users authenticated by federated identity provides (IDP) and users attributes provided by those IDPs to applications.

Which authentication methods are possible with myID?

Depending on the security requirements of the accessed application multiple methods and their combinations are available:

- Windows Password
- Kerberos (including PKI authentication information on windows)
- PKI-SmartCard
- Soft-PKI (only for Siemens Employees and Business Partners)
- PingID App (Push and TOTP)
- SMS (as a part of the PingID module)

1. Step – Choose login method



MyID Login Service

! Additional authentication required to access the application

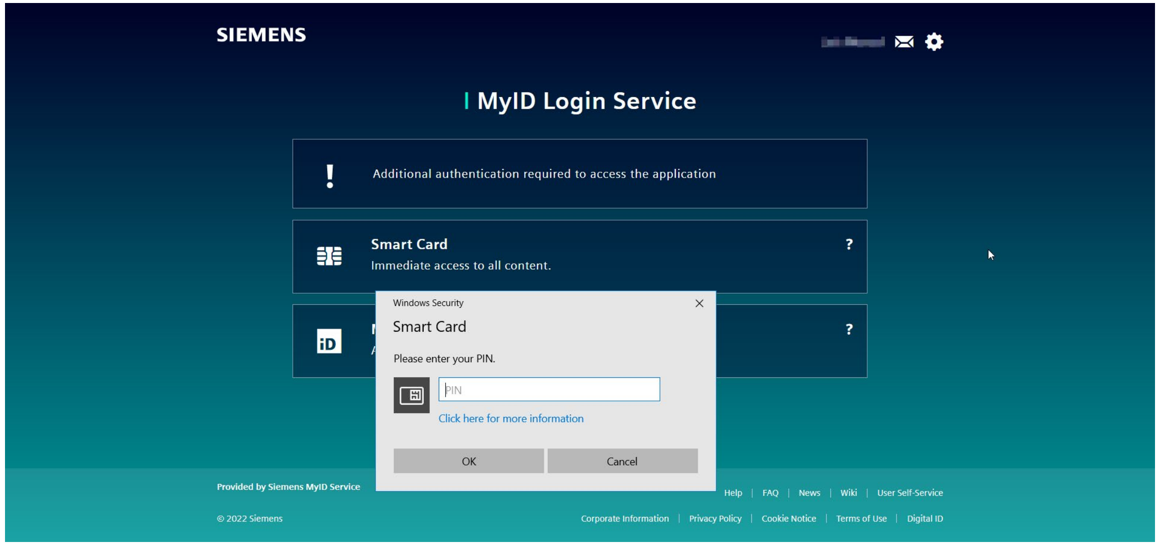
Smart Card ?
Immediate access to all content.

Mobile Authentication ?
Additional authentication for high-level secured content.

Soft PKI ?
Further authentication may be required for high-level secured content.

Choose one of the displayed login methods.

2. Step – e.g. Login via Smart Card



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MyID Login Service

! Additional authentication required to access the application

Smart Card
Immediate access to all content.

Windows Security

Smart Card

Please enter your PIN.

?
iD
?
PIN
Click here for more information
OK
Cancel
Provided by Siemens MyID Service
Help | FAQ | News | Wiki | User Self-Service
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When you choose Smart Card as login method, you need to enter your Smart Card PIN.

Authentication for Known Business Partners with existing SCD entry

MyID for Known Business Partners with existing SCD

Known Business Partners with an existing SCD entry can also use **myID** to authenticate themselves.

-> For more information about myID authentication see **page 11**.