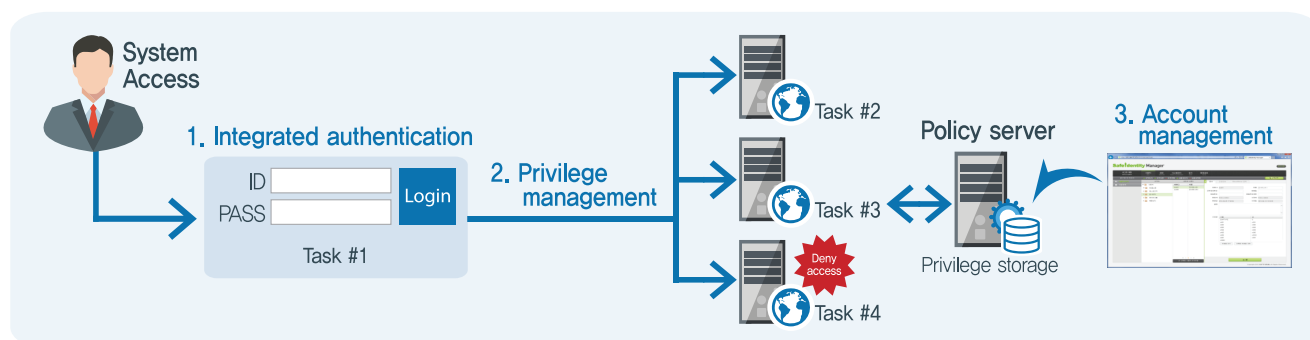


# HancomSecure SSO/EAM/IM

SSO(Single Sign On), EAM(Extranet Access Management) and IM(Identity Management) for clients' various environments

HancomSecure SSO, EAM and IM enable single user authentication to login to the privileged business systems in various working environments, which strengthen internal security through privilege management for access to only authorized menus after login and provide integrated management for Enterprise accounts.



## Single Sign On (SSO)

- Prevent duplicated login by policy server
- Provide various APIs such as C, Java, ASP, PHP, etc.
- Mobile SSO support

## Extranet Access Management(EAM)

- Web and CS based comprehensive privilege management
- Privilege management based on user roles
- Various privileges setting for users

## Identity Management (IM)

- Flexible account management on organization change
- Guarantee conformity among dispersed account systems
- Integrated account management on various data storages

## Key Features



### Convenience

- Web, C/S and Mobile SSO
- Login to all permitted resources with single authentication
- Support multiple authentication methods such as ID/PW, accredited certificate, USB, SMART CARD, OTP(One Time password) and fingerprint scan complying with the customer's security policy
- Logging and Audit on user logins(log viewer offered.)
- Authentication session management
- Web-based GUI providing convenient integrated privilege management screen
- Easy to implement SSO on various web and C/S environments through integrated authentication session management
- Support RDB(Relational Database) of Repository saving authentication privileges
- Encryption, generation of digital signature token and verification API provided



### Security

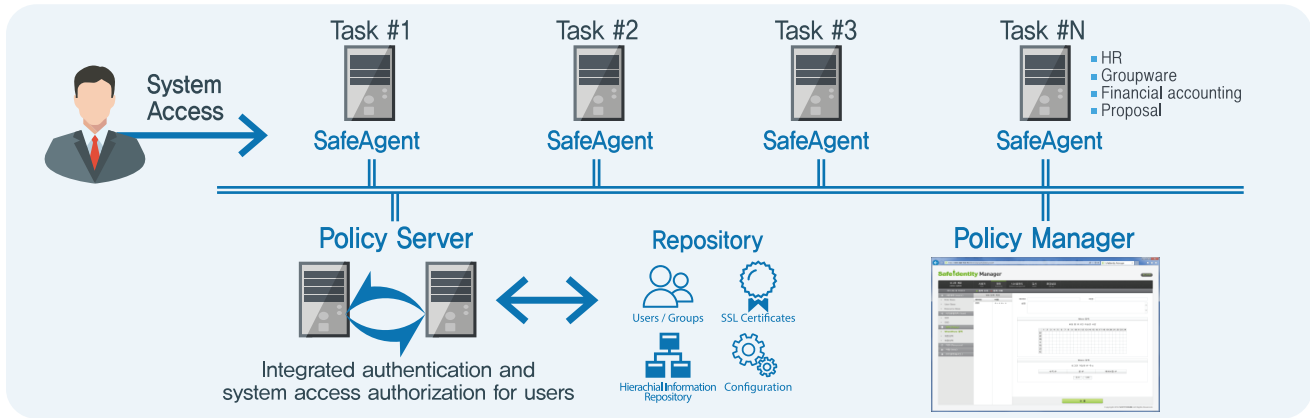
- Integration with various user authentication methods
- Prevent duplicated login
- Encrypted token preventing forgery and reuse of user authentication information
- Protection, integrity and non-repudiation on authentication through encryption and digital signature message communication



### Stability and Scalability

- Cache for processing performance enhancement
- Load balancing and fail-over support for stability

## Architecture



Division	Descriptions	
Authentication Server	<ul style="list-style-type: none"> <li>User login</li> </ul>	<ul style="list-style-type: none"> <li>Authentication and privilege information service</li> </ul>
SafeAgent	<ul style="list-style-type: none"> <li>Encryption token generation and verification, authentication data encryption</li> </ul>	<ul style="list-style-type: none"> <li>Various developer environments support (C, JAVA, ASP, PHP, etc.)</li> </ul>
Policy Server	<ul style="list-style-type: none"> <li>Integrated user authentication information management service</li> </ul>	<ul style="list-style-type: none"> <li>Privilege policy service</li> </ul>
Repository	<ul style="list-style-type: none"> <li>Server(LDAP) RDB</li> </ul>	<ul style="list-style-type: none"> <li>User authentication/privilege policy storage</li> </ul>
Policy Manager	<ul style="list-style-type: none"> <li>Console for user authentication/privilege policy management</li> <li>Web GUI user environment</li> </ul>	<ul style="list-style-type: none"> <li>Manage service privileges per user and tasks per level</li> <li>Account management, audit and compliance</li> </ul>

## Specifications

- AIX 4.3~7.3
- HP-UX Itanium 11
- Mobile SSO support(iOS,Android)
- Windows Server 2000 or later
- Solaris 8,9,10
- HP-UX PA-RISC 11
- Linux kernel 2.4 or above

## HancomSecure Authentication & Privilege Management Series

\* ( ) is selective.

Products	Description	Division	Server			Interface/API		Repository		Console		Authentication		Pri- vilege	Account
			Policy Server	Prov. Engine	Auth. Engine	Safe Agent	Adapter	LDAP	DB	Admin.	User	ID/PW	Multi-factor		
HancomSecure SSO	Single Sign On solution	S/W	(●)			●				(●)	(●)	(●)			
HancomSecure SSO Mobile	Mobile SSO solution	S/W	(●)			●				(●)	(●)	(●)			
HancomSecure ID Appliance	Appliance solution for policy-based authentication integrated management	S/W+ H/W			●		●		●	●	●	●	●		
HancomSecure EAM	Privilege management solution	S/W	●			●		●	●	●		(●)	●		
HancomSecure IM	Account management solution	S/W		●			●		●	●	●			●	

### HancomSecure SSO

- SSO solution providing security authentication session management by policy server

### HancomSecure SSO Mobile

- Mobile App based SSO
- Token generation and verification through Object C and JAVA APIs
- iOS and Android support

### HancomSecure IM

- Easy account management and synchronization
- Approval process on account creation and privilege request
- Account audit, compliance

### HancomSecure ID Appliance

- User policy based authentication management SSO appliance solution
- SSO, authentication policy management, FIDO U2F and multi-factor authentication
- Support various devices for FIDO U2F and existing clients of customers

### HancomSecure EAM

- Enterprise EAM solution
- Integrated privilege management on user and server resources and logging, statistics reporting functions
- Privilege management based on SSO and RBAC(Role-Based Access Control)