The Net iD Enterprise client software is the market’s most qualified PKI client and is based on open standards. It integrates smart cards with all types of applications and IT environments supporting certificate-based security.

Benefits of Net iD Enterprise

When introducing smart card-based authentication, Net iD Enterprise is the logical choice. In addition to secure login to the IT environment, Net iD Enterprise enables signing, authentication and the use of certificates in all major system environments and platforms. Net iD Enterprise also offers a range of features that simplify the daily use of smart cards.

Security experts agree. The human factor poses the biggest risk for sensitive or business-critical information falling into the wrong hands. Employees lend out their passwords, get new ones over the telephone, write them down on post-it notes or store them in documents on their computers. This makes it easy for unauthorized people to find out the passwords and – without leaving a trace – gain access to business-critical information and steal or destroy valuable assets. Net iD Enterprise addresses these security risks while making things easier for users.

How it works

Net iD Enterprise enables simple and secure login with smart cards. The smart card can also be used to provide access to applications and web-based services that require electronic identification and signing based on PKI technology. One single card can be used for login to operating systems and applications, work as visual ID, be used for entrance into the workplace or to make secure printouts from the printer.

One of the most common uses for smart cards is Single Sign-On (SSO). SSO allows users to access all the systems, applications and websites they are authorized to access, and which require login with certificates, without having to enter their PIN code more than once.

Net iD Customized Packaging gives you an installation package of Net iD Enterprise that is content-customized to give maximum benefit of its features in your IT environment. You can also customize the user interface, graphic design, text and information flows to meet the needs of your organization. This ensures simplicity for users and secure flows in daily business activities.
Product specifications

Features

Single Sign-On (SSO)
Net iD Enterprise with Single Sign-On (SSO) creates a secure and user-friendly IT environment for your users. By inserting their smart card in the card reader and entering the PIN code, users can access all systems, applications and websites they are authorized to access that requires login with certificates. For SSO with certificates to work, the selected application must support certificate login. SSO functionality can also be implemented for older applications that only have support for user name and password by supplementing the solution with an SSO platform.

Card Watch
Card Watch automatically initiates the requested action, such as correct shutdown or startup of underlying programs, when the user inserts or removes their card from the card reader. This could, for example, entail a dialog box appearing on the screen as the card is pulled out of the card reader asking what the user would like to do – log out, shut down or lock the computer.

Session roaming in terminal server environments
To log out, the user merely pulls out the card and leaves the session – for the day, for a coffee break, or to change to another workstation. Back at any workstation, the user can immediately resume work in the same session by simply inserting their smart card and entering the PIN code. The program and the documents will be there waiting, just as they were at logout.
In pressured work situations, such as in the healthcare sector, user names and passwords are an obstacle to efficiency and security. Here, login with smart cards can simplify and secure work flows.

**Fast User Switching**
Fast User Switching enables users who work on a local computer with Windows XP or Windows 7 to switch between users quickly and easily with retained security at local workstations.

**Workstation Lock Down**
If workstations are located in a public area, Workstation Lock Down ensures that unauthorized people cannot access the computer environment. After shutdown, the computer locks down completely and all keyboard commands are ignored until an authorized card is placed in the card reader along with the user entering their PIN code.

**Credential Provider**
Users often have a number of certificates on their smart card and in their computer environment. Net iD Enterprise provides features that make it easier for users to choose the right certificate in the dialogues that appear in the Microsoft environment. Credential Provider, Certificate Provider, PIN Provider and GINA are examples of features with visual and automated tools that help the user choose the right certificate for each application.

**Centralized configuration**
Centralized configuration via Group Policies (GPO) is enabled by adding Net iD Enterprise configurations to the registry. This makes it possible to easily customize configurations for different user groups with different needs. Examples of features that can be customized via GPO are Single Sign-On and Card Watch.

**Other functions:**
- Central management of PIN policy makes it possible to set requirements on PIN code content and changing PIN codes
- Unlock Card: Unlock of locked card before login
- Mifare info: Reading and writing of information to Mifare (wireless technology)
- Simple customization of texts and links in interface, e.g. for support and help pages
- Web admin: Support for web-based support page that can be individually customized
- Tracker: Central logging of events
- Reset Card: Deletes ascribed certificate from the card and resets it to its original format
- File encryption: Encryption of files using one’s own or another’s certificate
- Trace service: Flexible activation of tracking to help troubleshoot

**Support for smart cards**
Net iD Enterprise supports all of the most common smart cards on the market. We work closely with major card suppliers to regularly implement support for new variants of smart cards. Net iD Enterprise’s flexible architecture makes it relatively simple to add support for additional smart cards on customer request.

**Integration interface**
Net iD Enterprise supports integration with a number of different application interfaces:
- Net iD CSP: integration via Microsoft CryptoAPI
- Net iD Minidriver: integration via Microsoft CryptoAPI and Microsoft Base CSP
- PKCS#11-interface
- Net iD browser plugin interface

**Net iD Customized Packaging**
SecMaker offers assistance with the customization and configuration of Net iD Enterprise to meet the specific requests and requirements of your organization and target environment. With Net iD Customized Packaging, your configuration options are wrapped into one package that is unique to your organization. This simplifies the rollout and administration of Net iD Enterprise by minimizing the number of processes that requires manual attention. We also offer assistance with the customization of the user interface for Net iD Enterprise in terms of graphic design, text content and information flow.

For customers with maintenance agreements, we take responsibility for your organization’s configuration choices over time, i.e. updating parameters that may have changed in new versions of Net iD Enterprise.

**Common Minidrivers versus Net iD Minidriver/CSP**
Generic smart cards delivered by card suppliers usually come with a Minidriver, which along with Microsoft Base CSP provides basic functionality for smart card login. Net iD Enterprise contains an advanced CSP and an expanded Minidriver that, in addition to basic functionality, also supports all major smart cards on the market and a growing number of advanced features such as single sign-on, session roaming and fast user switching. Net iD Enterprise thus offers more support and increased flexibility to the smart card user.
## Technical specification

<table>
<thead>
<tr>
<th><strong>Client environments</strong></th>
<th>Microsoft Windows (XP/Vista/Win 7/Win 8), OS X (10.7/10.8), Linux (Ubuntu), thin clients.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Application interfaces</strong></td>
<td>Microsoft Cryptographic Service Provider (CSP) for Microsoft CryptoAPI, Net iD Minidriver for Microsoft Base CSP, PKCS#11, Net iD browser plugin interface.</td>
</tr>
<tr>
<td><strong>Standards</strong></td>
<td>Standard client authentication according to SSL 3.0/TLS 1.0, digital signatures according to PKCS#7 and PKCS#12.</td>
</tr>
<tr>
<td><strong>Smart cards and card readers</strong></td>
<td>Support for card formatting according to standards PKCS#15 1.1 and ISO7816-15, as well as most major cards on the market. Support for smart card readers according to PC/SC standards.</td>
</tr>
</tbody>
</table>
| **Browsers** | Microsoft Internet Explorer, Mozilla Firefox, Google Chrome, Safari.  
*Browser support may vary between different operating systems.* |
| **Languages** | Swedish, Swedish (SAMSET), English, Norwegian, Danish, Finnish, French, German, Portuguese, Turkish. |

### Want to know more?

SecMaker is Scandinavia’s leading supplier of smart card-based security solutions to companies, public agencies and organizations.  
With our Net iD product family, we protect and secure information, systems and data communications for over a million users.  
Net iD is praised by CIOs and security managers for its high level of security, flexibility and cost-effectiveness. Employees value our solutions because they support mobile use, are easy to use and offer simple, reliable workflows in their daily work.

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