



Pointsharp Net iD Client

Product Technical Sheet



Pointsharp Net iD Client

Pointsharp possesses a unique competence of safe and secure login to the operating system itself, a device login, on Windows, macOS, and Linux.

The client software Pointsharp Net iD Client is the ultimate advanced PKI-client on the market. It is designed to integrate smart cards and other types of authorization tokens in all types of applications supporting security, based on certificate.

User friendly

The client enables signing, authentication and use of certificates in all common system environments and platforms.

Security on all platforms

Net iD Client is an enterprise PKI client that protects users with secure and inviolable authentication. It integrates several handy features, smart cards, and other tokens for use into all certificate-based security solutions. Using the client, sign, and authenticate on all platforms and system environments is possible.

On-premises or in the cloud

Pointsharp Net iD Client is used on-premises in the customer network and the choice to use a cloud environment.

Benefits with Pointsharp Net iD Client

Challenge

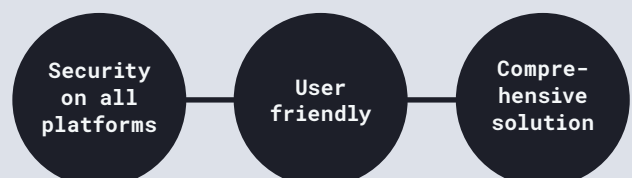
Having Net iD Client as the only authorization solution adds flexibility to the organization as the certificates used are fully applicable to a wide range of access tokens, as well as soft certificates for mobile devices. The software also includes advanced security functions that significantly reduce the risk of unauthorized access.

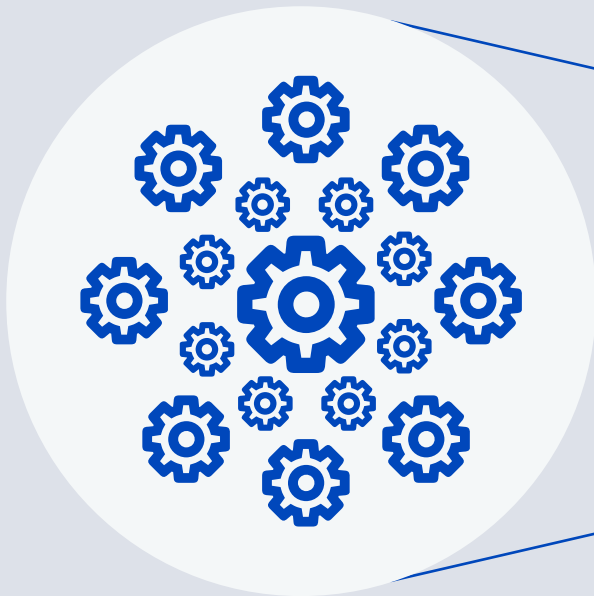
Solution

Pointsharp delivers a comprehensive solution in terms of user-friendliness, local presence, on-premises or cloud solution, and compliance with regulatory demands on all Level of Assurance levels (LoA).

Includes

- An advanced PKI client to be used with smart cards, USB-tokens, virtual smart cards, or other holders of private keys and certificates.
- A toolbox that helps other applications to provide security functionality using private keys and certificates.
- Stand-alone functionality that also can be provided as extensions to existing applications, referred to as components.





Streamlined new rebuild

In the new generation of Pointsharp Net iD Client we have removed obsolete code, diminished the size, and streamlined the architecture. The new rebuild has been supplemented with Web Extensions resulting in independence of the type of web browser used.

Flexible usage of various access tokens for authorization

Within Pointsharp Net iD Client we have provided means for authorization with a smart card, a large variety of other access tokens like virtual smart cards, USB tokens such as Yubikeys, mobile app, and web server certificates.



Functions

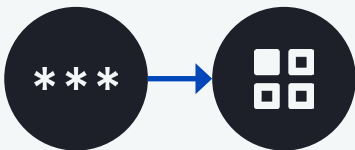
Pointsharp Net iD Client comes with a number of very handy and useful functions, such as:



Automated processes, Card watch

It is possible to define actions for the system to perform whenever the user logs in or leaves the workstation. For example:

- Lock
- Sign out
- Sleep
- Hibernate
- Disconnect
- Restart
- Shutdown



Single Sign-On

For all target systems that supports authentication and login based on certificates it is possible and convenient to just state the PIN code once and get access to all systems, features and web sites for which the user has authorization.



Fast user switching

Users that share a client can switch user in an easy and fast manner.



Workstation lockdown

If a work station placed in a public environment is left or forgotten, the function Workstation lockdown makes sure that no unauthorized people can use the work station. The computer is locked down by benefiting from using Microsoft GPOs. The workstation is dedicated to run only the applications configured in Pointsharp Net iD Client. Keyboard commands such as Ctrl+Alt+Del are ignored until an authorized smart card is introduced and the user states the PIN code.

Credential provider

Users often have several certificates on the one and only smart card. In Pointsharp Net iD Client there are functions that helps the user to keep track and to choose the appropriate certificate. For example:

- Credential provider
- Certificate provider
- PIN provider



Support for various smart cards

Pointsharp have a close cooperation with the card vendors on the market. Continuously, we introduce support for new releases of various brands of smart cards.

Session roaming

A Citrix function that simplifies mobility. Remove the card from the workstation where the work is done, and relocate to some other work station in the network. The session is reinitiated just from where it is left and the work can proceed at the new location.

Cryptographic Service Provider

Pointsharp Net iD Client is a Cryptographic Service Provider (CSP), and also a full PKI-client supporting the Minidriver architecture and PKCS#11 in addition to Microsoft Cryptographic API. Pointsharp have succeeded in making it to be a very configurable PKI-client and a powerful enabler for numerous IT-solutions and concepts.

Powerful already in standard version

Pointsharp Net iD Client is a complex product due to the number of configuration parameters but this fact also adds flexibility. However, in most cases the standard packages can be used without any adjustments. In addition, as Pointsharp Net iD Client possesses the ability to adjust many tiny details. This fact often empowers projects to proceed without losing focus on the whole picture.



Zero Trust using PKI certificate

The Zero Trust core principle is that the network environment is hostile. Security is wrapped around applications and services in a way that is called micro segmentation. It allows for more targeted security and management of access beyond traditional network security.

A Zero Trust network component can, for example, be seen as any client using a PKI certificate authenticating through Pointsharp Net iD Client. For those, the Zero Trust model introduces the concept of single packet authentication (SPA) to reduce the attack surface on a mobile, a client, or in fact, any host. Internet of Things (IoT) is one evolving network technology where the new design of Pointsharp Net iD Client will handle certificates better. Along with Zero Trust, the product is modern and future proof.

New design

Pointsharp Net iD Client is based on former Net iD Enterprise. Now, it has been redesigned to better handle future demands, such as the Internet of Things (IoT). The product is less resource intensive, in other words the memory allocation has been moved from stack (limited) to heap (unlimited).

Single library

As Pointsharp Net iD Client has been redesigned it introduces a single library that handles all components or application interfaces. The new library exports all the interfaces that earlier were available as different libraries, such as PKCS#11, CSP, KSP, MiniDriver, and Plugin. The functionality is still the same. Subsequently, to get those libraries loaded again, the path is changed.

Reduced number of packages needed

By introducing configuration conditions, a reduced number of packages is needed. This is due to the parameters that previously were possible to change by the customer now are default values set to handle all scenarios. Before, the different parameters required separate installation packages, but now they only use a single installation package.

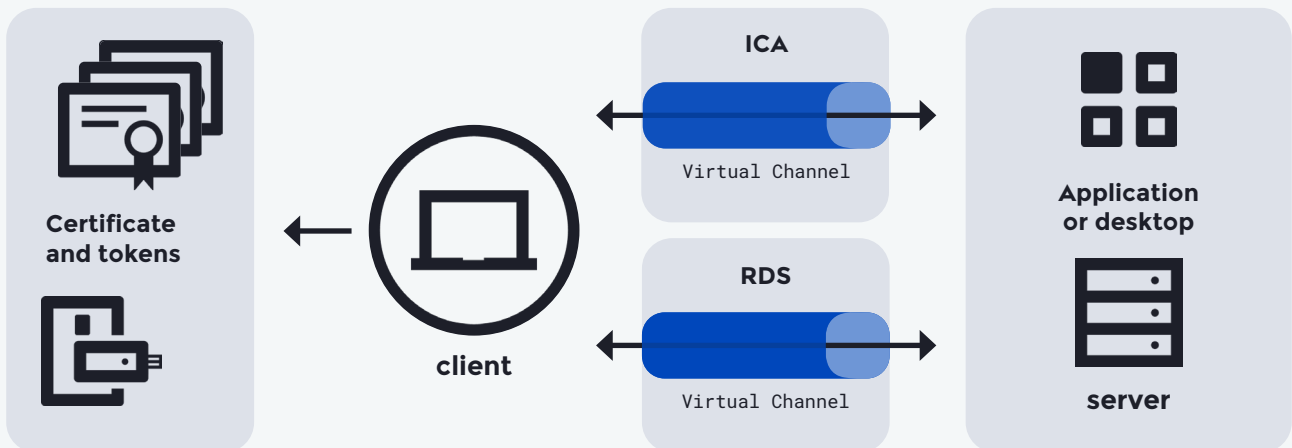


Integrations

Virtual channel

We have an in-house developed virtual channel, available for Citrix and Microsoft RDS. The virtual channel speeds up the login and allows real single sign-on. This means that only one PIN-code is sufficient to access all systems with single sign-on, regardless of authentication method. As Pointsharp Net iD Client now owns the whole channel it is possible to stabilize the whole login process. All calls go through the client on the server

and via the virtual channel down to the local Net iD client. Everything else is executed locally on the client and is sent back through the channel to the server. The sign operation for the authorization token is executed on the local client. This fact reduces the code that must be processed, compared to a sign operation initiated in RDP and executed within RDP. It is possible to handle multiple certificates, and they are controlled through sessions.



On-premises or in the cloud

On-premises and issue tokens with Pointsharp Secure Cloud*

Pointsharp Net iD Client is used on-premises in the customer network. The customer also has the choice to have the authorization tokens for Pointsharp Net iD Client issued through using a cloud environment. We call it Pointsharp Secure Cloud*.

* Pointsharp Secure Cloud is the cloud version of the product family Pointsharp Net iD. The customer has the choice to run all parts of Pointsharp Net iD in-house or to let Pointsharp run it for them in a cloud solution.

However, Pointsharp Net iD Client is run locally in the customer environment.

Pointsharp Secure Cloud delivers a comprehensive PKI solution to take care of an organization's IT security when it comes to secure login and authentication using Multi-Factor Authentication (MFA). Furthermore, Pointsharp Secure Cloud enables the possibility to issue authorization tokens in a cloud environment.

Regulatory demands

The fact that the demands of European eIDAS regulation and the Swedish Agency for Digital Government (DIGG) regulation are fully met and conformed to makes Pointsharp Secure Cloud be very powerful, compliant, and ready for Europe.



Pointsharp is a European cybersecurity company that enables organizations to secure data, identities, and access in a user-friendly way. Because we believe easy-to-use security solutions lay the foundation for a modern digital workplace.

We deliver European-made software and services that are made to support even the highest security and regulatory demands of large enterprise organizations and governmental institutions.

Our customers can be all around the world, often in markets requiring extra high levels of security, like the financial, governmental, industrial, and defense sectors.

You can find our HQ in Stockholm, Sweden but we also have offices in Finland, Germany, and the Netherlands.

Pointsharp – Security made easy

**Contact us for more
information or a demo**

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