




# Install Personal Desktop Client on Windows

 This article is valid from Nexus Personal Desktop Client 5.1.

This article describes how to install [Nexus Personal Desktop Client](#) on Windows.

MSI-based installers are available for x86 (32-bit) and x64 (64-bit) Windows platforms. The installers include standard operations such as install and uninstall along with the option to install silently.

## Step-by-step instructions

### Install Personal Desktop Client

1. Double-click the appropriate MSI-file for 32-bit or 64-bit Windows.
2. Follow the instructions in the installer wizard.

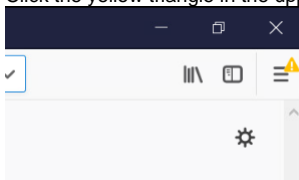
If you are using Firefox, follow these steps to install Personal Desktop Client.

### Prerequisites

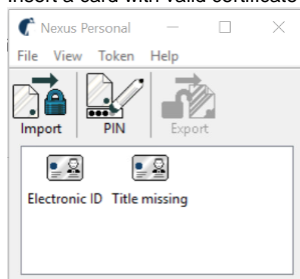
Installed Firefox.

### Step-by-step instruction

1. Install Personal Desktop Client as described above. This will install the Firefox add-on as well.
2. Allow the Add-on in Firefox:
  - a. Click the yellow triangle in the upper right corner.

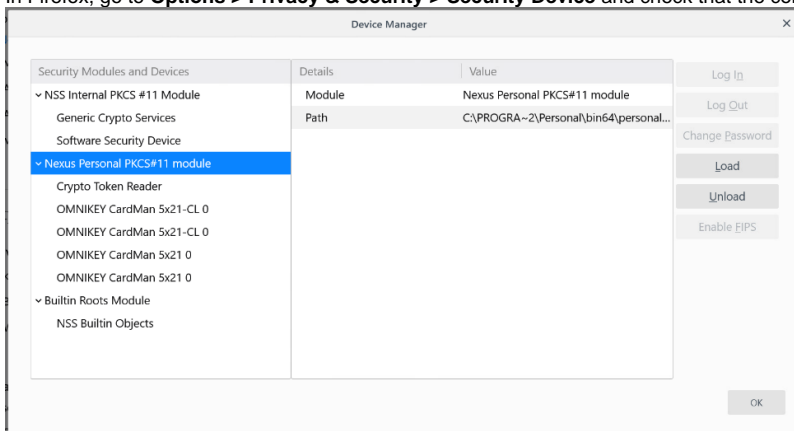


- b. Click on **Details**.
  - c. Click **Enable** to allow the Add-on in Firefox.
3. Start Personal Desktop Client.
  4. Insert a card with valid certificate in the reader and check that it is visible in the Personal Desktop Client.



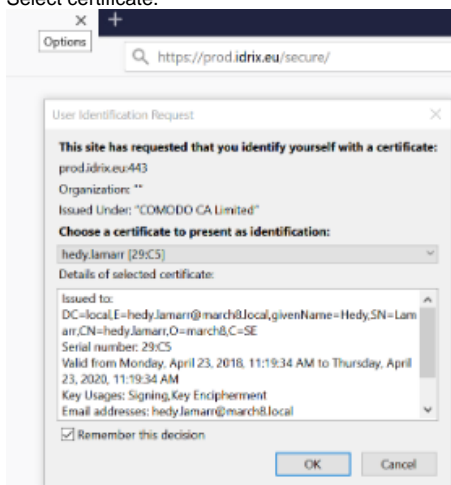


5. In Firefox, go to **Options > Privacy & Security > Security Device** and check that the correct PKCS#11 Add-on library is set.

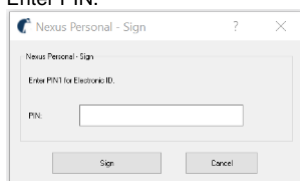


6. Go to your TLS authentication page or to the <https://prod.idrix.eu/secure> and test that TLS authentication can be correctly done:

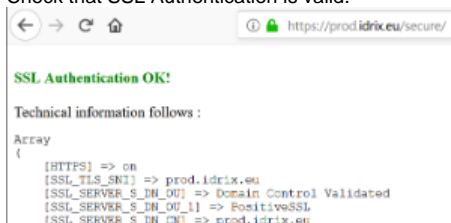
a. Select certificate.



b. Enter PIN.



c. Check that SSL Authentication is valid.



7. If this fails, make screenshots of the installation and send logs from `%APPDATA%/Roaming/Personal/log` to Nexus Support, see [Support articles](#).

## Reverse installation



If Personal Desktop Client is already installed (before Firefox is installed), follow these steps:

1. Install Firefox.
2. In Firefox, go to **Options > Add-ons**.
3. Select **Install Add-on from file**.
4. Select the file `C:\Program Files (x86)\Personal\Firefox\nexus_personal_pkcs11-1.0.0-and+fx.xpi` and install it.

## After the installation

This is the file structure that is created when installing Personal Desktop Client.

Directories	Contains
-- Personal	
-- bin	Executables and shared libraries. For example: <ul style="list-style-type: none"><li>• <i>personal.dll</i>, which contains APIs for:<ul style="list-style-type: none"><li>◦ PKCS#11 (Public-Key Cryptographic Standard) and</li><li>◦ CSP (Cryptographic Service Provider).</li></ul></li><li>• <i>minidriver.dll</i>, which contains the Microsoft minidriver.</li></ul>
-- bin64	64 bit versions of executables and shared libraries. For example: <ul style="list-style-type: none"><li>• <i>personal64.dll</i></li><li>• <i>minidriver64.dll</i></li></ul>
-- config	Includes a configuration file for an admin user with information about specific options. Read more under heading "The configuration file" below.
-- doc	End user help files.

### Additional directories and files

- The *cache* directory is created in user profile directory when needed (that is, under `%APPDATA%\Personal`).
- Firefox add-ons are installed into `HKLM\SOFTWARE\Mozilla\Firefox\Extensions` and native manifest into `HKLM\SOFTWARE\Mozilla\PKCS11Modules`. This is required for using Personal Desktop Client PKCS#11 in Firefox. You must allow the add-ons in Firefox, see above under heading "Install Personal Desktop Client when using Firefox".  
The *firefox* directory is added in the file structure:

-- firefox	Nexus Personal PKCS#11 add-on for Firefox.
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Personal Desktop Client installs these shortcuts in the **Programs** menu:

- Personal
- Personal Help

A shortcut is also created under the **Startup** menu so that Personal Desktop Client will start when logging into the machine.

Event ID/Return Code	Text
2000	<product name> <program version> successfully installed.
2001	Operating system version not supported by installation program.
2002	Installation program requires administrator privileges.
2003	Uninstallation program requires administrator privileges.
2004	A newer version of <product name> exists.



2005	Upgrade of <product name> declined.
2006	Reinstall of <product name> declined.
2007	Upgrade started.
2008	Upgrade failed.
2009	Uninstallation started.
2010	Current installation of <product name> cannot be upgraded to current version (<program version>). Uninstall it and run this installation program again.
2011	Uninstallation started, no installation to uninstall.
2012	Installation started with unknown arguments.
2013	Installation of <product name> is already running.
2014	Failure communicating with operating system.
2015	Out of memory.
2016	Failed to create installation directory.
2017	Failed using temporary directory for installation.
2018	Modular upgrade installation does not support switch given to modular upgrade program.
2019	Modular upgrade successfully performed.
2020	Modular upgrade requires administrator privileges.
2021	<product name> not installed, modular upgrade cannot be performed.
2022	Modular upgrade of <product name> declined.
2023	Modular upgrade of <product name> denied. Installed version of <product name> was not <program version>.
2024	Uninstallation of <product name> successful.
2025	Uninstallation of <product name> successful. Reboot needed.
2026	Installation could not proceed due to problems regarding an existing installation.
2027	Modular upgrade could not proceed due to problems regarding an existing installation.
2028	Operating system version no longer supported by installation program.
2029	Installation could not proceed since a Personal Desktop version with incompatible classification is already installed on the system.
4000	Installation of <program version> failed. Contact support.

## Configuration file

### Config file shipped with the product

The configuration file that is shipped with the product is included in the **config** directory. It includes information about specific options and comments and is intended for an admin user.

### Private user config file

When you start Personal Desktop Client, a private configuration file is created. The location for the private configuration file is normally **%APPDATA%\Personal\config**.

### Priority of config files



For most configuration parameters, Personal Desktop Client first checks the user config file and then configuration file shipped with the product.

You can download a sample configuration file that includes all available options, see [Sample configuration file for Personal Desktop Client](#).

## Uninstall Personal Desktop Client

1. To uninstall Personal Desktop Client, use the **Add/Remove** programs buttons.

## Upgrade Personal Desktop Client

You can upgrade from older versions of Personal Desktop Client to the current version.

1. Follow the instructions in [Install Personal Desktop Client](#) above.
2. All settings will remain untouched.

The installation program will not uninstall iD2 or SmartTrust versions of Personal Desktop Client. It is possible to migrate soft tokens from those versions to the current version of Personal Desktop Client.

## Related information

- [Install Personal Desktop Client](#)
- [Sample configuration file for Personal Desktop Client](#)