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DRIVER KEY CONTROLLER DESIGN, CONFIGURATION AND USE GUIDE





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Date	Version	Comment
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VERSION: V12.1



LIST OF CONTENTS

TABLE OF CONTENTS	1
1. KEYCONTROLLER DRIVER FOR IVSIGN	2
2. STANDARD INSTALLATION AND CONFIGURATION	3
2.1. MANUAL OR STANDARD INSTALLATION	3
2.2. MANUAL OR STANDARD CONFIGURATION	8
3. UNATTENDED INSTALLATION AND CONFIGURATION	11
3.1. UNATTENDED INSTALLATION	11
3.2. UNATTENDED CONFIGURATION	13
4. DRIVER INSTALLATION VIA GPO	17
4.1. BASIC AUTHENTICATION	21
4.2. FEDERATED AUTHENTICATION	23
5. PKCS ENVIRONMENT CONFIGURATION#11	26
6. VERSION UPDATE PROCEDURE	30
7. MANAGEMENT AND USE OF KEYCONTROLLER	31
7.1. NOTIFICATION SYSTEM	31
7.2. CONTROL PANEL	32
7.3. ENABLING/DISABLING CERTIFICATES	33





VERSION:

V12.1



1. KEYCONTROLLER DRIVER FOR IVSIGN

IvSign is the solution for secure electronic signatures.

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With **IvSign** it will not be necessary to have the certificate installed on the device itself, thanks to the centralization of all the certificates in **IvSign** itself.

IvSign allows the secure storage of digital certificates, in order to authorize their use in the equipment of different users, processes and web pages in a centralized way and with traceability of the operations.

It is the only means of technically and legally guaranteeing a person's identity on the Internet, the electronic signature of documents and encrypting communications and content.

This requires the installation and subsequent configuration of the **KeyController Driver**.





VERSION:

V12.1







2. STANDARD INSTALLATION AND CONFIGURATION

2.1. MANUAL OR STANDARD INSTALLATION

To use the certificate with your Windows applications, in the same way as for a SmartCard or Software certificate, you will need the **KeyController Driver**, which you can download and configure by following these simple steps.

By accessing the following url: https://ivsdriver.com

you must read and accept the licence agreement, before downloading, by clicking on the option 'I have read and accept the licence agreement'.

IvSign 💫	
KeyController driver download	
In order to download the Software, <u>license agreement</u> must be accepted □ I have read and accept the license agreement	
KeyController Driver	
KeyController 64bits - Installs version for 64 bits Windows version KeyController 32bits - Installs version for 32 bits Windows version	
Tools	
Previous versions - Other versions of KeyController	
Powered by Ivnosys Soluciones S.L.U.	

After clicking on the corresponding link, you must execute the downloaded file and the installation wizard will be displayed.











PRODUCT: VERSION:	NOSYS
IVSIGN V12.1	INNOVATION & TECHNOLOG
Windows Installer	
Preparing to install	
D(8)	
Cancel	
😥 Ivnosys KeyController Setup — 🗆 🗙	
Welcome to the Ivnosys KeyController	

Check the box **I accept the terms of the license agreement** and the button to start the installation will be activated.

Cancel

Next

Discourse of the Collection	reement		IVN	los	YS
Please read the followi	ng license agreement careful	ly 🗖	INNOVAC	ION Y TECH	OLOGIA
CONTRACT	OF ASSIGNMENT	OF THE SOF	TWAR	E	^
IVNOSYS K	EYCONTROLLER -	Version 22/	06/201	7	
IMPORTANT N	OTE: PLEASE, READ	THIS DOCUME	NT FIR	<u>ST</u>	
Read carefully the	terms and conditions o	f this contract	hefore	movina	
Read carefully the on. To read the who screen.	terms and conditions o le contract, use the scr	f this contract oll bar on the ri	before ght side	moving e of the	
Read carefully the on. To read the who screen.	terms and conditions o le contract, use the scr	f this contract oll bar on the ri	before ght side	moving e of the	*
Read carefully the on. To read the who screen.] I accept the terms in	terms and conditions o le contract, use the scr the License Agreement	f this contract oll bar on the ri	before ght side	moving e of the	~
Read carefully the on. To read the who screen.] I accept the terms in	terms and conditions of le contract, use the scr the License Agreement	f this contract oll bar on the ri	before ght side	moving e of the	V





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The next screen allows you to select the KeyController Driver components that you want to include in the installation process.

VERSION:

V12.1

However, the recommendation is to keep the default values, maintaining the installation of all components.

🕼 Ivnosys KeyController v12.5 Setup	- 🗆 X
Product Features Select the way you want features to be installed.	
PKCS11 Internet Explorer Plugin Chrome Plugin Microsoft Edge Chromium Plugin Firefox Plugin	
This feature installs PKCS11 Driver	
This feature requires 0KB on your hard drive.	
Back	Install Cancel

Clicking on each component will open the context menu with all the options available for each component.

PKCS11 Internet Explorer Plugin Chrome Plugin
 Will be installed on local hard drive Entire feature will be installed on local hard drive
 Feature will be installed when required Entire feature will be unavailable
This feature installs Google Chrome URL Retriever Plugin This feature requires 4KB on your hard drive.
Back 🗣 Install Cancel







PRODUCT: IVSIGN



V12.1



By default, all components will be marked with the option **To be installed on the local hard** disk drive.

If you do not wish to install it, check the option **The full feature will not be available**.

After clicking on the Next option, confirmation will be requested to start the installation process, based on the previously selected parameters.

Listo para instalar Ivnosys Ke	eyController	2 IN 19		
Haga clic en Instalar para comenzar la configuración de la instalación. Hi	r la instalación. Hag aga clic en Cancelar	i clic en Atrás para re para salir del asister	evisar o cam ite.	biar

By clicking on the **Install** option, the window indicating the status of the installation will be displayed through the progress bar.



PRODUCT: IVSIGN	VERSION: V12.1	
體 Ivnosys KeyController Setup	- • ×	
Installing Ivnosys KeyController		
Please wait while the Setup Wizard installs Ivnosys i	KeyController	
Status:		

Once the installation is complete, click on the **FINISH** button to exit the wizard.

🛃 lvnosys KeyController	Setup	-		×
INNOVACIÓN Y TECNOLOGÍA	Completed the Ivnosys KeyController Setup Wizard			
	Click the Finish button to exit the S	etup Wizard	ι.	
				_
	Back Fi	nish	Cance	2

Finally, you will be prompted to restart the computer by the following dialogue box:













IMPORTANT. Restarting the computer is a requirement to ensure proper operation of the system. If it is not allowed or if a restart is omitted, the driver may not run correctly or may exhibit unstable behaviour.

In case it is not possible to restart the equipment immediately, it must be ensured that this restart is carried out after the fact, before end-users start working with the driver.

The **Driver KeyController** icon will be displayed on the right side of the Windows taskbar in the notification area.



2.2. MANUAL OR STANDARD CONFIGURATION

In order to use the centralized certificates in **IvSign**, the application must be configured following the steps indicated below.

By clicking on the **Driver KeyController** icon in the notification area with the right mouse button, the following menu of options will be displayed.



Click on the **Configuration** option, which must be completed with the following information:

- **Server**: the value corresponding to the URL address of the platform (e.g. ivsign.net) shall be entered in this field.
- **Authentication**: select the *Integrated Authentication or User and Password* option, as appropriate.





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 Integrated authentication: this option will take the data from the active Windows session, verifying that the user exists in the organization's Active Directory, provided that the user is on the same network as the IvSign server.

VERSION:

V12.1

- Username and Password: you must indicate the data provided in the email Welcome to the IvSign service, to access the platform. This information will be validated in IvSign's own database.
- **Organization ID**: indicate the organization identifier, in case you do not have it, please contact your project manager.



You can check if the credentials you have entered are correct by clicking on the **Test** button.

Configuration CSP	×
KeyController	INNOVACIÓN Y TECNOLOGÍA
Server	ivsign.net
Authentication	User and password $\qquad \checkmark$
Organization ID	orga
User	user
Password	
Try out	Accept Cancel
Un	validated configuration

If the credentials entered are correct or incorrect, a message indicating this will be displayed at the bottom of the configuration window.



	PRODUCT: IVSIGN	VERSION: V12.1	
	~		
KeyController		KeyController	
Server	ivsign.net	Server ivsign.r	net
Authentication	User and password $\qquad \lor$	Authentication User a	nd password ~
Organization ID	orga	Organization ID orga	
User	user	User	
		Password	
Password		Truet	Accept Cancel
Password Try out	Accept Cancel	nyou	

Once the checks of the indicated configuration have been completed, click on **OK**.

Certificates that you have centralized in **IvSign**, will be displayed from browsers and applications that make use of the standard Windows store.

If it is not displayed automatically, it is advisable to restart the system.



NOTE. Centralized certificates cannot be removed from the system manually, nor can their private key be exported, as they are not in any case located on the equipment where they are configured.



VERSION:

V12.1



3. UNATTENDED INSTALLATION AND CONFIGURATION

3.1. UNATTENDED INSTALLATION

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Since version 5, the KeyController installation includes new components and additional installation options. For example, the system prompts you to restart your computer after the installation process is complete. This is a requirement of the version in order to ensure the correct functioning of the system.

In the case of unattended installation, this requirement can be omitted or customized based on the installation options used.

The following table details the available options:

Options	Description
Components	To exclude all additional components from the installation process, the following parameters must be included:
	"ADDLOCAL=ALL REMOVE=PluginChrome,PluginIE,Pkcs11"
	On the other hand, it is possible to disable components specifically. This can be done in two ways: Either by using the above command (specifying only one component) or by using the DISABLE option and the component name, as shown below:
	"DISABLE_PluginChrome=1"
	"DISABLE_PluginIE=1"
	"DISABLE_Pkcs11=1"
Restart	/norestart : Prevents the computer from restarting after the installa- tion process is complete.
	NOTE: If this parameter is not included, the computer will restart automatically after installation, with no possibility for the user to cancel the installation.



















Some examples are given below:

EXAMPLE. Installation of KeyController excluding all components and avoiding reboot after installation:

msiexec /q /i KeyController.msi ADDLOCAL=ALL REMOVE=PluginChrome,PluginIE,Pkcs11 /norestart

*It is important that the /norestart is at the end of the line.

EXAMPLE: Installing KeyController excluding only the Google Chrome component (by the first method) and forcing a reboot of the computer after the installation process:

msiexec /q /i KeyController.msi ADDLOCAL=ALL REMOVE=PluginChrome

EXAMPLE: Installation of KeyController excluding only the Google Chrome component (by the second method) and forcing a reboot of the computer after the installation process:

msiexec /q /i KeyController.msi DISABLE_PluginChrome=1



IMPORTANT: Restarting the computer is a requirement to ensure proper operation of the driver. If it is not allowed or if a reboot is omitted, the system may not run correctly or may exhibit unstable behavior.

In case it is not possible to restart the equipment immediately, it must be ensured that this restart is carried out after the fact, before end-users start working with the driver.















3.2. UNATTENDED CONFIGURATION

Option 01: configuration with command line parameters

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The MSI installer allows the driver to be configured with default values at the time of installation.

VERSION:

V12.1

Some of the **parameters** are as follows:

Parameter	Description
Server	Sets the default server configuration for new users.
Serverfix	Sets the server configured as mandatory for all users (the value cannot be changed by the user).
Auth	 Sets the authentication type: pass > Basic authentication win > Integrated authentication external > External authentication, using SAML
Authfix	Sets the authentication type as mandatory (the value cannot be changed by the user).
Orga	Sets the IvSign organizational code.
Orgafix	Sets the organization code as mandatory (the value cannot be changed by the user).
noupdates	Allows to disable version checks (using the value 1)
nocertdisable	Allows to remove the possibility to enable-disable certificates from the menu (using the value 1).
accesopanel	Enables the "Control Panel" option in the KeyController context menu (using the value 1).
SSOPanel	Specifies whether autologin is allowed in CertManager through the "Control Panel" option or from a notification (using the value 1). If the user is required to enter a password, it must be set to 0.
www	

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autoregister	Sets whether KeyController should create the user reference in IvSign, when the user logs on to the device (using the value 1). This option is only supported for integrated authentication sys- tems.
disabledforapps	Sets the applications for which the driver will not be available. If a value is set to user or fixed, this value will be ignored.
disabledforappsfix	Sets the applications for which the driver will not be available. If this value is set, it will ALWAYS be considered, no matter what the user or the default has.

The list of variables indicated in the table above does not mean that they can only be configured once installed. These variables can be modified from the Windows registry, if you have permissions to edit them.

If any previous configuration has been made in the IvSign organization, this configuration will prevail instead of the one configured in the equipment itself.

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IMPORTANT NOTE.

Note that to perform the unattended installation with the /q parameter, the console must be run in administrator mode.









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VERSION: V12.1



Some examples are given below:

EXAMPLE: Basic installation example where the user is allowed to edit the form fields and the update check is disabled.

msiexec /q /i KeyController.msi server=ivsign.net auth=win orga=XXXX noupdates=1 nocertdisable=1

EXAMPLE: The above example is then repeated, but restricting / locking the fields for the user.

msiexec /q /i KeyController.msi serverfix= ivsign.net authfix=win orgafix=XXXX noupdates=1 nocertdisable=1

Option 02: Configuration via the Windows registry

It is possible to modify the default and mandatory configuration of the server and driver authentication method of a device by modifications in the registry.

The **registry entries** available are:

Register entries	Description
[HKEY_CURRENT_USER Software Soft- ware KeyController].	Sets the specific configuration for a user
[HKEY_LOCAL_MACHINE_MA- CHINE\SOFTWARE\Client\KeyControl- ler\fixed].	Sets mandatory values for all users with no possibility of modification.
[HKEY_LOCAL_MACHINE_SOFT- WARE\Client\KeyController\default].	Contains the default configuration values. KeyController uses these values if no configu- ration information is available in the two paths above.





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EXAMPLE: Let's take an example configuration using ivsign.net and force integrated authentication. The **reg** file to run would be as follows:

VERSION:

V12.1

______Windows Registry Editor Version 5.00 [HKEY_LOCAL_MACHINE\SOFTWARE\Clients\KeyController\fixed] "server"=" <u>ivsign.net</u>" "auth"="win "_____

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EXAMPLE: Additionally, an example with federated authentication is included by default:

















4. DRIVER INSTALLATION VIA GPO

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In order to make the KeyController driver available on all required computers, an installation must be performed via the domain policies.

VERSION:

V12.1

The first step is to place the installation files (for both 32-bit and 64-bit architectures) on a shared resource, accessible to all workstations and with permissions for all users.

IMPORTANT NOTE.

It is important that the installers are MSI.

STEPS TO BE TAKEN

To generate the policy to perform the unattended installation, it is done through the **Group Policy Manager**. To access this panel, from the domain controller, the command "**gpmc**" must be executed.



Within this pane, by scrolling down to the domain used, and under **Group Policy Objects**, a new one must be created.





PRODUCT:

VERSION: V12.1



uevo GPU	
Nombre:	
GP0_Software	
<u>G</u> PO de inicio de origen:	
(ninguno)	

Edit the policy created.

1 Software	Habilitado		Ninguno	18/11/2016 9:5	Admins. del dom
Editar			Ninguno	03/10/2016 15:	Admins. del dom
Estado de GPO		•	Ninguno	18/05/2016 13:	Admins. del dom
Hacer conia de se	ouridad		Ninguno	13/09/2016 8:1	Admins. del dom
Restaurar desde u	onia de seguridad		Ninguno	03/10/2016 15:	Admins. del dom
Importar configur	eción		Ninguno	19/08/2015 9:5	Admins. del dom
Importal coningal	belottitt	_	Ninguno	18/11/2016 11:	Admins. del dom
Guardar informe	•				
Copiar					
Eliminar					
Cambiar nombre					
Actualizar					

In the new window, follow the path: **Device Configuration > Policies > Software Configuration > Software Installation.** In this last section, a new package will be created for each MSI.





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Once the 32-bit and 64-bit packages are available, the next step is to configure the driver variables, to access the following path:

Computer Configuration > Preferences > Windows Settings > Registry

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<u></u>					Group Policy Ma	anagement Editor			
File Action View Help									
🔷 🜩 🖄 📰 🕒 🖶 🖉 🕯	🖬 🗟 🛇 🕇								
GPO Software [SERVERING.PRUEBAS.ES] Poli A Computer Configuration b Policies	💣 Registry								
a Preferences		Name	Order Ac	tion Hive	Key	Value Name	Туре	Value Data	
Window's Strings Window's Strings Files Files	Processing (2) Description (2) No policies selected					Ты	ere are no items to :	show in this view.	

The variables will be configured by right clicking with the mouse on the Registry window > **New** > **Registry Item.**

Ø				Group Polic	y Management Editor
File Action View Help					
🗢 🔿 🙍 🖬 🗎 🗰 🖬 🖬 🖬	🗟 🔕 🛨				
GPO Software [SERVERING.PRUEBAS.ES] Policy Computer Configuration Policies	💣 Registry				
⊿ Preferences		Name	Order Action Hive	Key	Value Name Type
 ▲ Windows Settings ▲ Settings ← Files ← Folders 	Processing (2) Description (2) No policies selected		New All Tasks Paste Refresh View + Arrange Icons + Line up Icons + Help +	Registry Item Collection Item Registry Wizard	There are no it









In the KeyController parameterization options, there are certain fields that can be locked so that users cannot change their value.

VERSION:

V12.1

See the section on *configuration with command line parameters* for the.

As an example of setting fixed and editable variables, see the example images:

Field fixed or not editable by the user (fixed).

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Acción:	Reemplazar V
Subárbol:	HKEY_LOCAL_MACHINE ~
<u>R</u> uta de la dave:	DFTWARE\Clients\KeyController\fixed\
Nombre de valor	
Predeterminado	server
<u>Tipo de valor:</u>	REG_SZ ~
In <u>f</u> ormación del valor:	ivsign.net

1. User editable field (**default**).

96 003 12 03

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General	Comunes	
B	Acción:	Actualizar 🗸 🗸
		Reemplazar 🗸 -
Subárbo	ol:	HKEY_LOCAL_MACHINE ~
Ruta de	e la clave:	'TWARE\Clients\KeyController\default\
Nomb	re de valor —	
٦P	Predeterminado	nocertdisable
Tipo de	valor:	REG_SZ ~
Informa	ación del valor:	1
	Aceptar	Cancelar Aplicar Ayuda



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IMPORTANT NOTE.

It is important that the "**Action**" field contains the value "**Replace**" to avoid configuration problems.

The following are several **recommended configurations** (depending on the authentication method) for final installations on client workstations (in production).

4.1. BASIC AUTHENTICATION

The following table indicates the recommended configuration with basic authentication in which the *noupdates* and *nocertdisable* fields are locked.

Parameter	Config (editable or locked)	Value
server	fixed	*
auth	fixed	pass
orga	fixed	**
noupdates	default	1
nocertdisable	default	1

*server: Contains the url of lvSign

****orga:** Sets the IvSign organizational code.

[If you do not have this information, you should ask your Project Manager for it].

As a result of the above configuration, the driver will be configured as follows:







VERSION: V12.1



Configuration CSP	×
KeyController	
Server	ivsian net
Authentication	User and password
Organization ID	orga
User	user
Password	
Try out	Accept Cancel
Un	validated configuration















4.2. FEDERATED AUTHENTICATION

This configuration sets the recommended configuration with federated authentication in which the *noupdates* and *nocertdisable* fields are locked.

Parameter	Config (editable or locked)	Value
server	fixed	*
auth	fixed	federated
fedcode	fixed	**
orga	fixed	***
noupdates	default	1
nocertdisable	default	1

*server: Contains the url of lvSign

****fedcode:** Federation code. Required for the use of federated authentication and provided at thebeginning of the project.

*****orga:** Sets the IvSign organizational code.

[If you do not have this information, you should ask your Project Manager for it].

As a result of the above configuration, the driver will be configured as follows:



PRODUCT: IVSIGN	ler - Installation, configuration and use guide VERSION: V12.1	
Configuration CSP		
Server	ivnosys.net	
Organization ID	orga	
User Password	GLOBAL	
asamolu		
Try out	Accept Cancel	

Finally, in the Group Policy Manager, select the organizational unit containing the computers on which you want to install the driver, and apply the GPO configured in the previous steps by selecting Link an existing GPO.

E B Dominios			Orden de uíneules	GPO
F 51			orden de vinculos ·	uPU
1	100			
	=			
	and the second se			
Domain Controllers		¥		
H 🛋				
Equipos				
🕀 🧾 Grupos				
1. Instalacion rem	Crear up GPO en	este de	minio v vincularlo aquí	1
H (2)	Vincular un GPO	existent	e	
+ Objetos de direct	Bloquear herenci	ă		
🕀 😽 Filtros WMI				
🗈 🛅 GPO de inicio	Asistente para m	odelado	de directivas de grupo	•
E Sitios	Nueva uniuau un	yanızacı	va	
Modelado de directivas de	Ver			•
Resultados de directivas	Nueva ventana o	desde a	quí	
	Nueva vista del o	uadro d	le tareas	
	Eliminar			
	Cambiar nombre			
	Actualizar			
1	Propiedades			
	Ayuda			



Driver KeyController - Installation, configuration and use guide PRODUCT: IVSIGN VERSION: V12.1	
Seleccionar GPO Buscar en este dominio:	
Nombre ^	
Aceptar Cancel	lar

For the installation to take effect, you can either wait for the computers in question to be rebooted or force an update of the group policies using the command "**gpupdate /force**" (this command must be launched on each client computer).





V12.1



5. CONFIGURATION OF PKCS ENVIRONMENTS#11

In browsers such as Firefox or other systems that require standard PKCS#11 access, it will be necessary to configure **KeyController Driver** as a specific cryptographic provider, as if it were a SmartCard. The procedure is as follows:

1. Access the **Options** menu















2. In the Privacy and Security section, look for Certificates.



3. Then click on the **Security Devices** button.

The following screen will appear:

ecurity Modules and Devices	Details	Value	Log I <u>n</u>
NSS Internal PKCS #11 Module			Log Out
Generic Crypto Services			
Software Security Device			Change <u>P</u> assword
Nuevo modulo PKCS#11			Load
Builtin Roots Module			Unload
NSS Builtin Objects			Enable <u>F</u> IPS
			ок





4. Click the **Load button** and select the **PKCS#11** module:

ڬ Load PKCS#11 Device Driver 🛛 —	
Enter the information for the module you wa	ant to add.
Module Name New PKCS#11 Module	
Module <u>f</u> ilename	<u>B</u> rowse
Aceptar	Cancelar

The location of the driver is by default in...

C:\Windows\System32\IVSignPKCS11_64.dll

If everything is correct, it should be configured as follows:

Device Manager			
Security Modules and Devices	Details	Value	Log I <u>n</u>
VNSS Internal PKCS #11 Module			1
Generic Crypto Services			Log <u>O</u> ut
Software Security Device			Change <u>P</u> assword
✓ Builtin Roots Module			Load
NSS Builtin Objects			
✓ Driver			Unload
IvSign PKCS11			Enable <u>F</u> IPS
			ОК





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If the path is not correct or the driver version is selected that does not correspond to the browser's build architecture, the following warning will be displayed, and it will not have been configured correctly:

VERSION:

V12.1

Alert	×	
A	Unable to add module	
	ок	
	1 11 1 1 1 1 1 1 1 1 1 1	

The certificates will then **appear in Firefox** like any other certificate imported from a p12 or SmartCard:

Authentication Decisions these organisations that in Security Device	People identify you	Servers	Authoritie	es.
these organisations that in Security Device	identify you			
Security Device	Serial Numb			
	Schartwartho	er E	xpires On	E
OS Client Cert Token ((11:E2:D6:F6:EE	3:81:01:6 03	March 2023	
) OS Client Cert Token ((2E:FD:B8:34:B0	C:6B:1E: 02	December 2	
Backup All	Import	Delete		
buc <u>k</u> up mini	1 <u></u> port	<u>D</u> erete		
				ок
	OS Client Cert Token Bac <u>k</u> up All	OS Client Cert Token (11:E2:D6:F6:EI) OS Client Cert Token (2E:FD:B8:34:B Backup All Import	OS Client Cert Token (11:E2:D6:F6:EB:81:01:6 03) OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 Backup All	Image: OS Client Cert Token (11:E2:D6:F6:EB:81:01:6 03 March 2023) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 02 December 2) Image: OS Client Cert Token (2E:FD:B8:34:BC:6B:1E: 2E:FD:B8:34:FD:B8:34:FD:B8:34:FD:B8:34:FD:FD:B8:34:FD:B8:34:FD:FD:B8







VERSION:

V12.1



6. VERSION UPDATE PROCEDURE

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Periodically, the **Driver KeyController** will inform about the latest version available, in a notification window in the notification bar.



Clicking on the message will download the file that you must **EXECUTE** for the updates to be applied.



If you want to check if a new version is available without waiting for the automatic notification, you can do so by clicking on the icon located in the notification bar with the right mouse button on the **Check for updates** option.











7. MANAGEMENT AND USE OF KEYCONTROLLER

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IVSIGN

7.1. NOTIFICATION SYSTEM

The **IvSign** platform sends informative notifications to users about the platform's own procedures.

To read these notifications you need to access the **IvSign** platform.

The **Driver KeyController** warns that there are notifications pending to be read by displaying the following message:



The **KeyController Driver** Notifications option **is** available when it detects that there are notifications pending to be read. By clicking on the Notifications menu, it opens the browser linked to the **lvSign** platform, so that the user can read the notifications.

		Configuration Enable-Disable certificates Check for updates Notifications Control Panel Sync up	
lvSign	Notification Required Subject		English V Log in
	Required Notification		
_		Ac	ccept Cancel
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PRODUCT:

IVSIGN



7.2. CONTROL PANEL

The "**Control Panel**" menu option is a direct access from the **Driver KeyController** to the **IvSign** platform.

VERSION:

V12.1

By clicking on this menu, the browser opens and links to the **lvSign** platform so that the user can log in and access all the options of the platform itself.

Configuration
Enable-Disable certificates
Check for updates
Notifications
Control Panel
Sync up

lvSign 💫		English V Log in
	Log in	
	Organization ID	
	User or email *	
	Password *	
	Log in	

It needs to be activated at the configuration level on the computer with the variable *accesopanel*=1, either from the Windows registry or when installing it via command line.





PRODUCT: IVSIGN VERSION: V12.1



7.3. ENABLING/DISABLING CERTIFICATES

IMPORTANT NOTE.

This option will be available by default unless *nocertdisable*=1 is set to hide it when installing.

In the case of having many certificates, to prevent all of them from being displayed every time we need to perform an action with them (signing, accessing a website,...) the **Enable/Disable certificates** option is available.

Click on the **Driver KeyController** icon in the notification area with the right mouse button.



This option only allows you to work with certificates that are currently enabled in IvSign.

User > Certificates 📋 Import **⊥** Export list ✓ Filters Owned certificates 🔟 Certificate bin Delegated certificates Name Status Subject Certid Options CERTIFICATE 00000000X FIRST NAME SURNAME H54BFLP896PGA 🗔 🟳 🥕 🔒 Showing 10 Entries (0) 96 003 12 03 soporte.ivsign@ivnosys.com Madrid - Barcelona - Valencia www.ivnosys.com

Those with the icon in he the OPTIONS column will be displayed.



Those that are disabled in IvSign (for having entered the wrong PIN several times, for having been disabled manually, ...), will not be available in the driver.

Those with the icon in the OPTIONS column will not be displayed.

User > Cert	ificates				
🗎 Import	<u>1</u>	Export list	l		▼ Filters
- Owned c	ertificates	5	CDelegated certificates	Dertificat	e bin
Name	Status	Subject		Certid	Options
\rm Oertificate	~			AQDG7FQOKUY5AT4TUQ	🖂 🛱 🎤 🔒
• Certificate				AQDLZZQMWLVTRHKKWA	🖂 🗭 🥕 🤮

These enable or disable actions will only affect the computer from which it is being accessed. That is to say, if there is a certificate delegated to another user, the enable or disable changes will only work in the equipment where it is being done. The person who has that delegated certificate will have to enable or disable theirs on their computer.

To display a certificate that is hidden, click on the **HIDDEN** checkbox of that certificate.

Mark all	Uncheck all	Search: Certificate Search		Search	Show all	Visible:0	Hidden:1	Total: 1
Hidden	First name CERTIFICATE	Common name FIRST NAME SURNAME	Transmitter IVSIGN	Expiration 7/8/2021 1:28:23 PM				

To not display a certificate that is visible, click on the **VISIBLE** checkbox of that certificate.



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ment of centralized c	certificates					-	• ×
ed Visible (in green)) will be displayed on this computer. Search: Certificate Search	The unmarked (in red)	will remain hidden u Search	ntil they are r Show all	narked as visib	le. <u>Hidden:0</u>	Total: 1
st name RTIFICATE	Common name FIRST NAME SURNAME	Transmitter IVSIGN	Expiration 7/8/2021 1:28:23 PM				
							- 1
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							- 1
							- 1
							- 1
	ment of centralized o	ment of centralized certificates wed Visible (in green) will be displayed on this computer. Uncheck all Search: Certificate Search t name RTIFICATE FIRST NAME SURNAME	ment of centralized certificates ed Visible (in green) will be displayed on this computer. The unmarked (in red) Uncheck all Search: [Certificate Search t name RTIFICATE FIRST NAME SURNAME VSIGN	ment of centralized certificates ed Visible (in green) will be displayed on this computer. The unmarked (in red) will remain hidden u Uncheck all Search: Certificate Search Search A name RTIFICATE	ment of centralized certificates ed Visible (in green) will be displayed on this computer. The unmarked (in red) will remain hidden until they are r Uncheck all Search: Certificate Search Search Show all RTIFICATE Common name FIRST NAME SURNAME VSIGN 7/8/2021 1.28.23 PM	ment of centralized certificates ed Visible (in green) will be displayed on this computer. The unmarked (in red) will remain hidden until they are marked as visib Uncheck all Search: Certificate Search Search Show all Visible:1 It name FIRST NAME SURNAME VSIGN 7/8/2021 128:23 PM	ment of centralized certificates — — — — — — — — — — — — — — — — — — —

In both cases, the VISIBILITY will change automatically.

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These actions can be performed individually or in bulk by clicking on **Check all** or **Uncheck all**.

Mark	all Uncheck all	Search: Certificate Search		Search	Show all	Visible:1	Hidden:0	<u>Total: 1</u>
Visibili Visible	ty First name CERTIFICATE	Common name FIRST NAME SURNAME	Transmitter IVSIGN	Expiration 7/8/2021 1:28:23 PM				

The certificates can be filtered by the content of all the columns (Visibility, Name, Common Name, Issuer or Expiration) by entering the text in the **Search** field and pressing ENTER or the **Search** button. All the certificates that match the text indicated will be displayed.

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- 11	PRODUCT: IVSIGN VERSION: V12.1	

Mark all	Uncheck all	Search: Certificate Search		Search	Show all Visible:1	Hidden:0	Total: 1
/isibility /isible	First name CERTIFICATE	Common name FIRST NAME SURNAME	Transmitter IVSIGN	Expiration 7/8/2021 1:28:23 PM			

To show all certificates again and to be able to make another filter, click on **Show all.**

Μ	lark all	Uncheck all	Search: Certificate Search		Search	Show all	Visible:1	Hidden:0	Total: 1
Vi:	sibility sible	First name CERTIFICATE	Common name FIRST NAME SURNAME	Transmitter IVSIGN	Expiration 7/8/2021 1:28:23 PM				



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