

Eurex Clearing

Clearing Web GUI Access Guide

Access to Clearing Web GUI Systems

C7 Clearing GUI

EurexOTC Clear GUI

Prisma Margin Calculator GUI

Securities Clearing GUI

Version 3.6

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1. Introduction

This document describes the required technical measures to be able to login and use the Eurex Clearing GUIs.

- C7 Clearing GUI
- EurexOTC Clear GUI
- Prisma Margin Calculator GUI
- Securities Clearing GUI

1.1 Intended Audience

For a successful setup the Member's IT department should take note of this document.

1.2 Connectivity

Basically, access to the Eurex Clearing GUIs is available via

- Internet
- GUI channel on leased lines

To access the C7 Clearing GUI it is necessary to request access to C7 beforehand.

All details (Technical access / Interfaces to Eurex Clearing / Clearing system usage fees) can be found on the Eurex Clearing webpage: <http://www.eurexclearing.com> > Tech > Connectivity alternatives

1.3 Enhanced security features

For the Clearing Web GUI a two factor authentication is implemented:

- 1st factor: Certificate authentication - used to secure the connection between the Member and Eurex Clearing on a Business Unit level (**MemberID level**). The certificates are also used to distinguish between the simulation and production environments.
- 2nd factor: Username and password authentication - used to login to the Eurex Clearing Web GUI Services (**UserID level**).

For the C7 Service, a third factor is implemented as well, which is based on network addresses.

1.3.1 Network security

The feature is currently completely configurable and activated only for the C7 Clearing GUI.

For the connection via Internet the Member can choose one of the following options:

- Allow Internet access without restrictions (default)
- Completely disable Internet access
- Allow Internet access for certain IP addresses given by the Member

Internet access: Per default any user of the given Member is permitted to access the application from any IP address. If the Member wants to restrict the default access, a list of IP addresses can be entered in the Member Section. Then it will only be possible to access the

application from these explicitly stated IP addresses. Internet access for the given Member can be completely blocked by setting the corresponding radio-button.

Eurex Clearing GUIs Network Configuration

Internet Access: enabled disabled

Network Data

IP Address
10.131.8.137
10.239.13.52
10.239.14.38

Leased Line access: Eurex Clearing allows access from the Member leased line networks and from any associated Service Provider respectively.

For the connection via leased line the GUI is checking the incoming IP address against the known network information for the corresponding Member.

In case a Member connects through a Service Provider, the IP address is also checked against the known networks of the Service Provider.

This implies that any Service Provider relationship needs to be maintained correctly in the Member Section if the Member is accessing any of the Eurex Clearing GUIs via the network of a Service Provider.

The relationships can be registered via "Technical Connection / Requests & Configuration / New Request / Provider / New Provider / GUI Channel".

1.4 Browser requirements

In order to connect successfully to the Eurex Clearing GUIs and to ensure a smooth service it is recommended to use one of the following web browsers to connect to the GUI:

- Firefox Latest ESR (extended support release). Usage of Firefox is strongly recommended.
- Google Chrome
- Microsoft Edge

The required browser settings are:

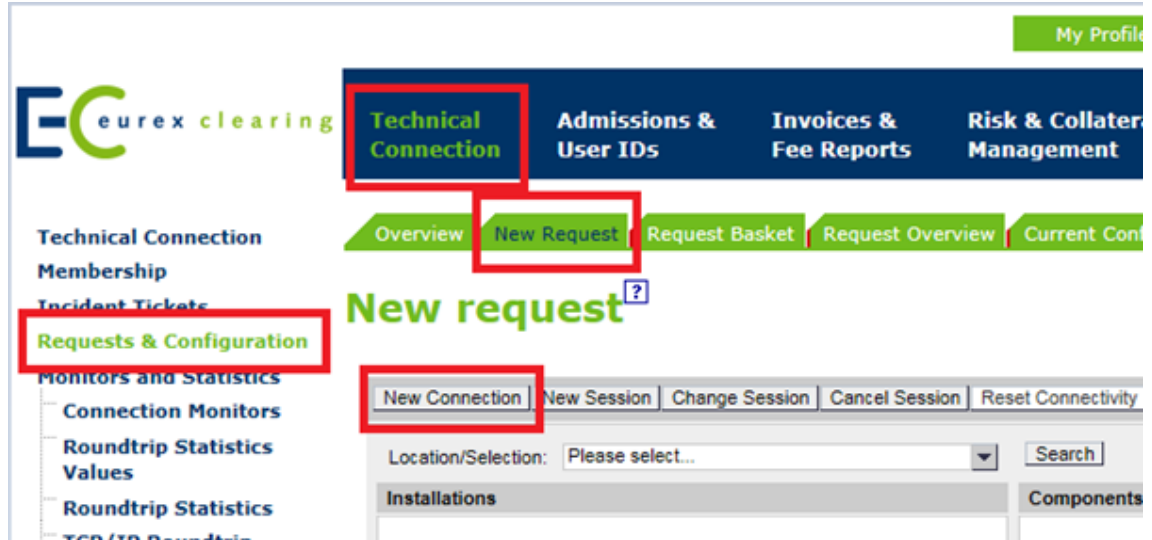
- Enable session cookie handling
- Allow JavaScript execution
- Support security protocol TLS 1.2
- IT-Security Patches are highly recommended.

Note: See "Appendix D – Browser setup details" for further information about browser settings.

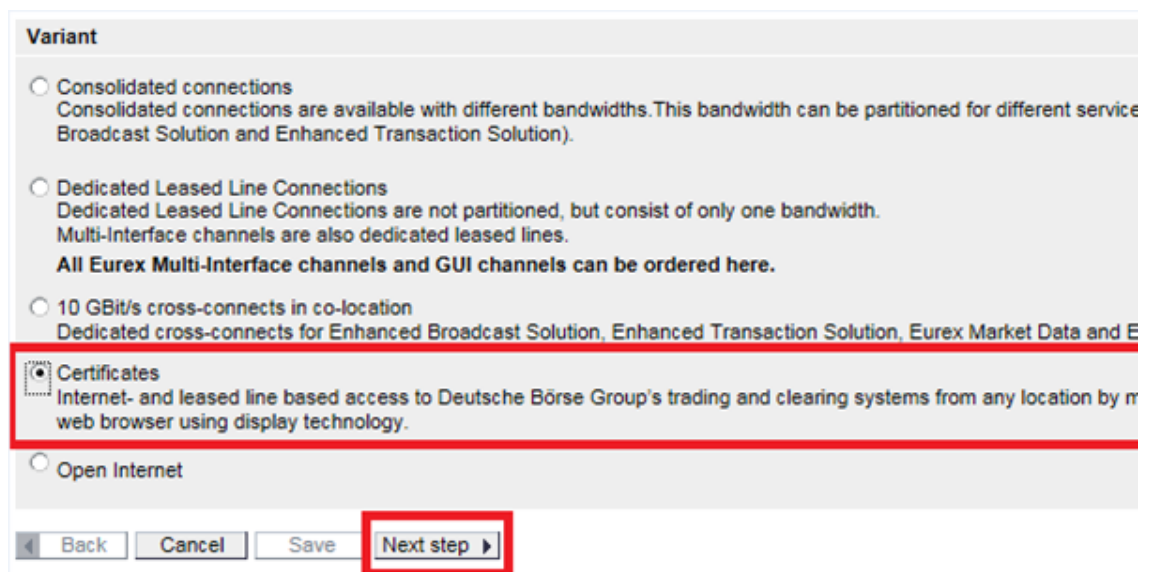
Note: The network proxy settings must be configured according to the local network rules given at the Member-side.

2. Ordering Certificates

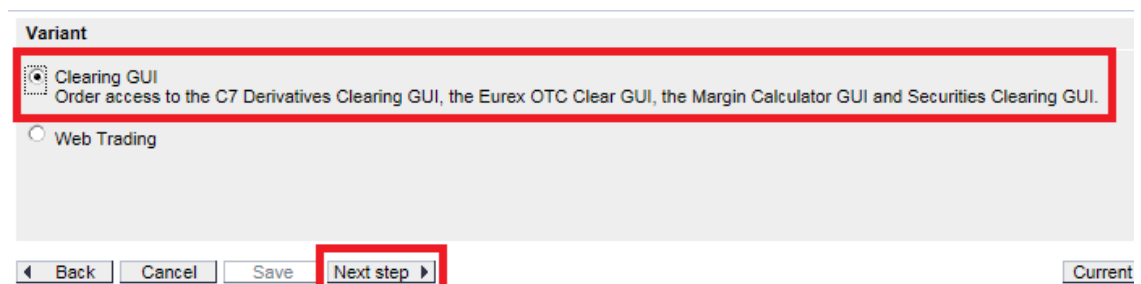
On the Member Section, go to Technical Connection / Requests & Configuration / New Request / New Connection:



Choose option “Certificates” and click on “Next Step”:



Choose option “Clearing GUI” and click on “Next Step”:



Ordering Certificates

Select the contact, MemberID, and environment and then click on “Next”:

Select Clearing GUI Certificate Contact

Name:
 Phone:
 Email:

Select member ID

Member ID:

Select environment

Note: If you click both environments, you will get a separate certificate for each environment.

Market/Service	Member ID	Production	Simulation
Eurex Clearing GUI		<input type="checkbox"/>	<input type="checkbox"/>

Notice: Clearing GUI Certificates will expire after two years.

Check the overview and click on “Add to request basket”. **Please note that this creates only a “draft request”. Your request will still need to be approved by someone with approval rights. All Central Coordinators automatically have this right. It can also be assigned to other Member Section users.**

Once the certificate has been created by Eurex Clearing, an e-mail notification will be sent. The e-mail will include the password for the certificate, which is needed when you upload the certificate into your user’s browser.

On the Member Section, go to Technical Connection / Requests & Configuration / Current Configuration and select “GUI Certificates” from the drop down menu in the Location/Selection area, to view the Eurex Clearing GUI certificate(s):

Eurex Clearing | **Technical Connection** | Admissions & User IDs | Invoices & Fee Reports | Risk & Collateral Management | Technology | Clearing Resources | Support Box

Technical Connection | Overview | New Request | Request Basket | Request Overview | **Current Configuration**

Membership | Incident Tickets | **Requests & Configuration** | Monitors and Statistics | Connection Monitors | Roundtrip Statistics Values | Roundtrip Statistics | TCP/IP Roundtrip

Current configuration

Location/Selection: Search

- GUI Certificates
- **Eurex Clearing GUI**

• CERTIFICATE: 1064859-PAKFR_CLEARPROD_001

In order to find a particular certificate, please click on the actual certificate name in the right-side window. You will then find the “Download” button for the certificate, just like in the screenshot below:

Ordering Certificates

Location/Selection: GUI Certificates

- GUI Certificates
- Eurex Clearing GUI

Details Clearing GUI

User ID:

Certificate Type: Valid to:

Environment: Member ID:

Please note that the validity expiration of a certificate does not automatically affect the validity of an account. The invoicing for accounts continues to be performed according to the current price list.:

Certificate	
Date of Upload	Name of Certificate
26.09.2016	! [REDACTED]

LSM			
Connection Type	Market	Member ID	Line ID (Billing ID)
Certificate	Eurex Clearing GUI	PAKFR	170332

Download and save the certificate at a secure location.

Upload the certificate into the browser of the GUI user. For example, if you are using Internet Explorer, you would go to Settings / Internet options / Content / Certificates / Import. Please note that you will be prompted to enter the password that you have received in the before-mentioned e-mail.

Once you have uploaded the certificate into the browser, you can log into the respective GUI.

Appendix A – URL overview

3. Appendix A – URL overview

Service	Internet	Leased Line
C7 Clearing GUI Simulation	https://simulation.eurexclearing.com:9443/C7_GUI/	https://simulation.vpn.eurexclearing.com:9443/C7_GUI/
C7 Clearing GUI Production	https://production.eurexclearing.com:8443/C7_GUI/	https://production.vpn.eurexclearing.com:8443/C7_GUI/
EurexOTC Clear GUI Simulation	https://simulation.eurexclearing.com:9443/OTC_GUI/	https://simulation.vpn.eurexclearing.com:9443/OTC_GUI/
EurexOTC Clear GUI Production	https://production.eurexclearing.com:8443/OTC_GUI/	https://production.vpn.eurexclearing.com:8443/OTC_GUI/
Prisma Margin Calculator GUI Simulation	https://simulation.eurexclearing.com:9443/Margin_Calculator/	https://simulation.vpn.eurexclearing.com:9443/Margin_Calculator/
Prisma Margin Calculator GUI Production	https://production.eurexclearing.com:8443/Margin_Calculator/	https://production.vpn.eurexclearing.com:8443/Margin_Calculator/
Securities Clearing GUI Simulation	https://simulation.eurexclearing.com:9443/LOGIN_GUI/	https://simulation.vpn.eurexclearing.com:9443/LOGIN_GUI/
Securities Clearing GUI Production	https://production.eurexclearing.com:8443/LOGIN_GUI/	https://production.vpn.eurexclearing.com:8443/LOGIN_GUI/

Note: IP-addresses

- Production/Leased Line access IP-address 193.29.93.171
- Simulation/Leased Line access IP-address 193.29.93.172
- Production/Internet Line access IP-address 193.29.90.161
- Simulation/Internet Line access IP-address 193.29.90.162

More details about the networks and the IP-addresses is to be found in “Eurex Exchange and Eurex Clearing Network Access Manual”. The corresponding manual for C7 can be found at www.eurexclearing.com → Tech → C7 → System documentation.

4. Appendix B – Support information

Member Section

Technical support is available under:

Phone: +49 (0) 69- 21 1 –1 78 88

E-Mail: member.section@eurex.com

Customer Technical Support

Support for all technical issues is available under:

Phone: +49 (0) 69- 21 1 – <TKAM VIP Number per Client>

Fax: +49 (0) 69- 21 1 11201

E-Mail: cts@deutsche-boerse.com

C7 Clearing GUI

For C7 Clearing GUI related questions a hotline is available under:

Phone: +49(0)69-211-1 12 50

Fax: +49 (0) 69-211- 1 43 34

E-Mail: clearing@eurex.com

EurexOTC Clear GUI

For general OTC IRS related questions the EurexOTC Clear Hotline is available under:

Phone: +49(0)69-211-1 28 28

Fax: +49 (0) 69-211-61 28 28

E-Mail: OTCClear@eurex.com

For General Simulation related questions the OTCClear Simulation Hotline is available.

OTCClear Hotline (Simulation) Service times: 8:00 - 18:00 CET (Monday - Friday).

Phone: +49(0)69-211-1 25 25

Fax: +49 (0) 69-211-61 25 25

E-Mail: OTCClear.simulation@eurex.com

Appendix B – Support information

Prisma Margin Calculator GUI

For general Margin Calculator related questions the EurexOTC Clear Hotline is available.

EurexOTC Clear Hotline (**Production**)

Service times: 08:00 - 22:00 CET (Monday – Friday)

Phone: +49 (0) 69-211-1 28 28

Fax: +49 (0) 69-211-61 28 28

E-Mail: OTCClear@eurex.com

For General Simulation related questions the OTCClear Simulation Hotline is available.

OTCClear Hotline (Simulation) Service times: 8:00 - 18:00 CET (Monday - Friday).

Phone: +49 (0) 69-211-1 25 25

Fax: +49 (0) 69-211-61 25 25

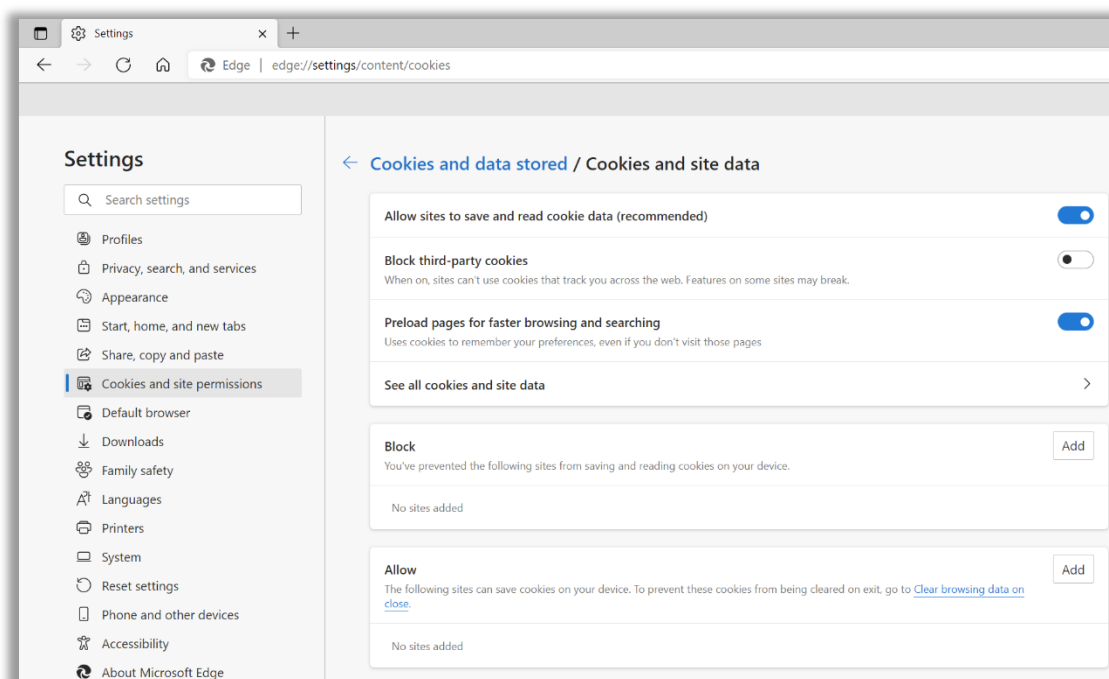
E-Mail: OTCClear.simulation@eurex.com

5. Appendix D – Browser setup details

5.1 Microsoft Edge

Enable session cookie handling:

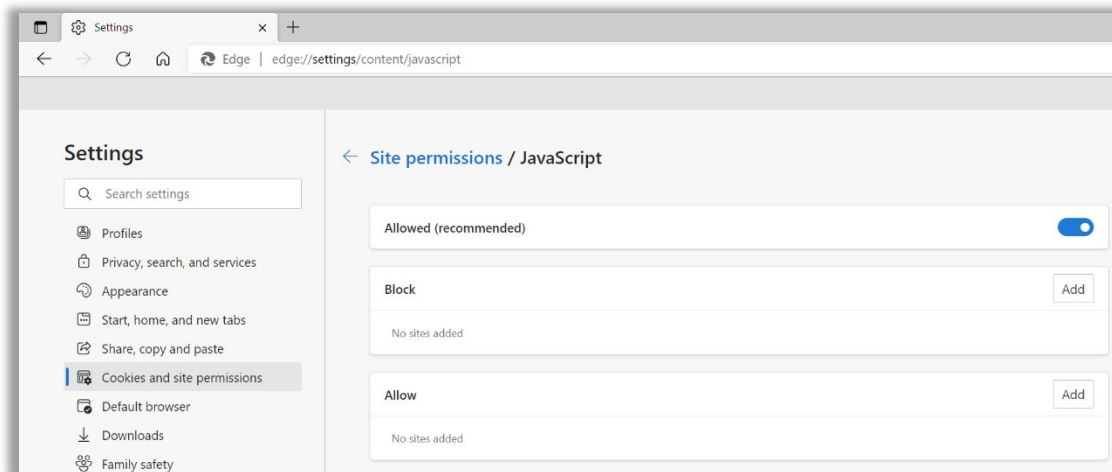
1. Open the browser settings
2. Go to the **Cookies and site permissions** section
3. Click on **Manage and delete cookies and site data**
You can also go there directly via this URL: `edge://settings/content/cookies`
4. Activate the option to **Allow sites to save and read cookie data (recommended)**



Appendix D – Browser setup details

Allow JavaScript execution

1. Open the browser settings
2. Go to the **Cookies and site permissions** section
3. Under **Site Permissions** select **JavaScript**
You can also go there directly via this URL: `edge://settings/content/javascript`



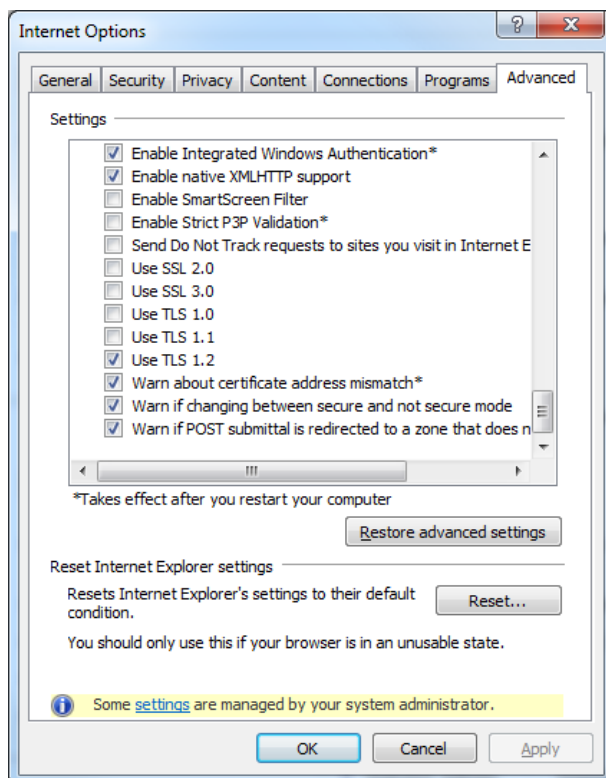
Note: To allow JavaScript for the Eurex Clearing GUIs only and to leave it disabled for other sites, add `eurexclearing.com` to the Allowed sites.

Appendix D – Browser setup details

Support security protocol TLS 1.2

The below settings can be set as follows.

1. In the Windows start menu search box, search for **Internet options** and open it
2. On the **Advanced tab**, scroll down to the **Security** section
3. Check the **Use TLS 1.2** checkbox



4. Click **OK**
5. Restart the browser

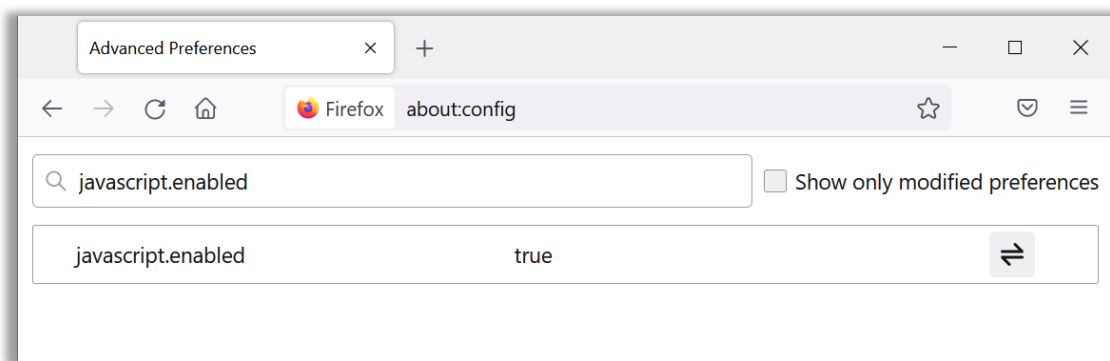
5.2 Firefox

Enable session cookie handling

Cookies are enabled by default and only restricted if this is explicitly entered for a particular site. Please make sure that [eurexclearing.com](https://www.eurexclearing.com) is not listed for blocking cookies.

Allow JavaScript execution

JavaScript execution is enabled by default. It can be checked by entering “about:config” directly into address bar in the Firefox browser as shown below.



Then you can search for the JavaScript setting by filtering for “javascript.enabled”. This setting should be “true”. In case it’s not, it can be toggled via the button with the arrows.

Support security protocol TLS 1.2

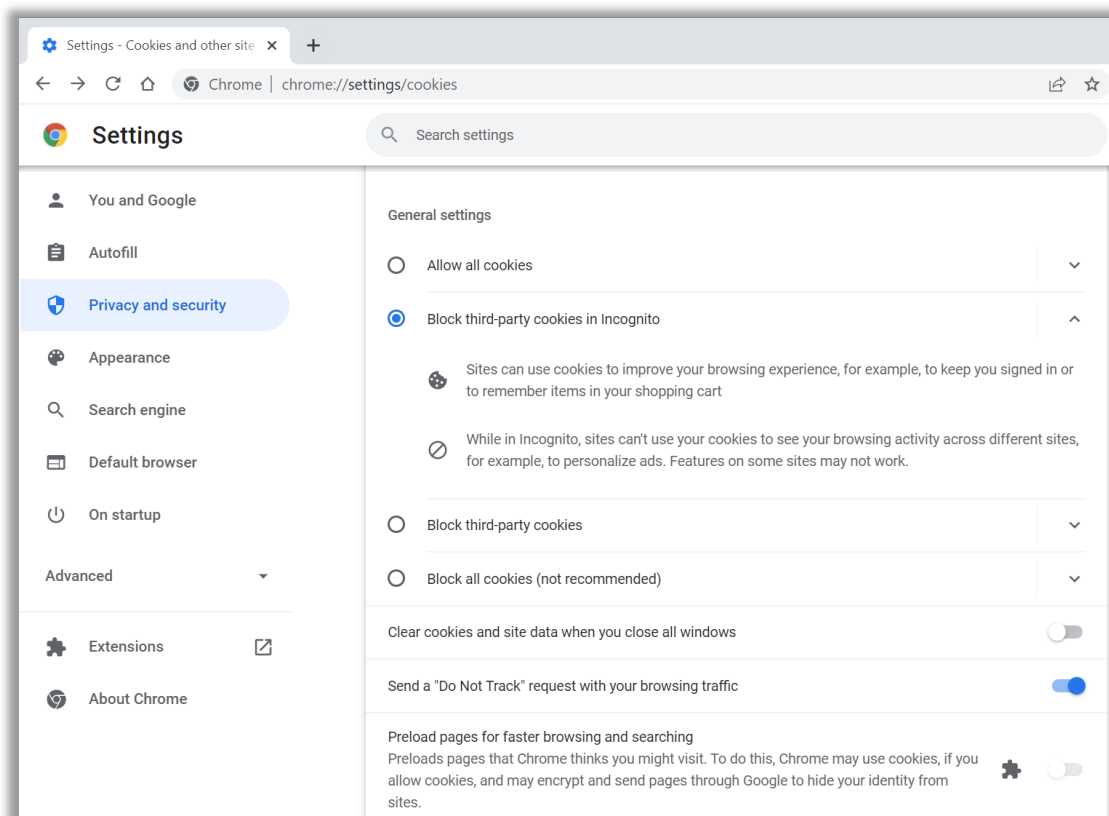
In current Firefox versions TLS protocols are used by default.

Appendix D – Browser setup details

5.3 Google Chrome

Enable session cookie handling

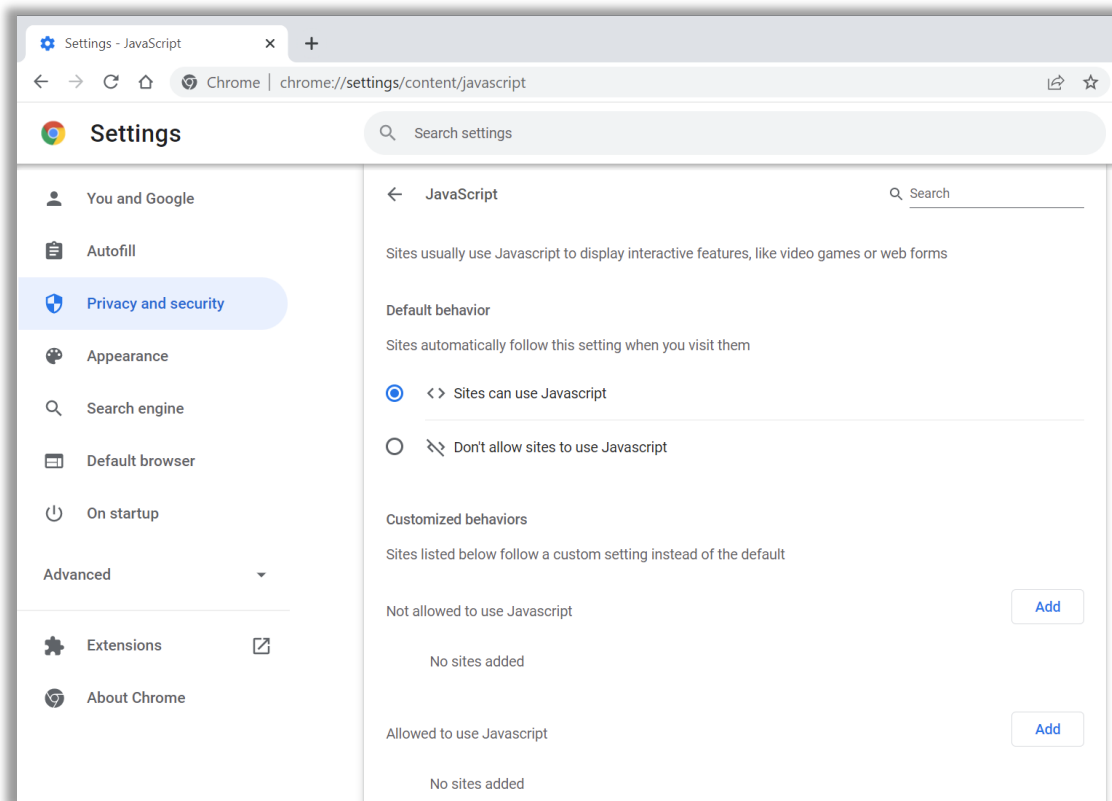
Cookies are usually enabled by default in Google Chrome. This can be checked by entering “chrome://settings/cookies” directly into the browser as shown below.



Appendix D – Browser setup details

Allow JavaScript execution

JavaScript is usually enabled by default in Google Chrome. This can be checked by entering “chrome://settings/content/javascript” directly into the browser as shown below.

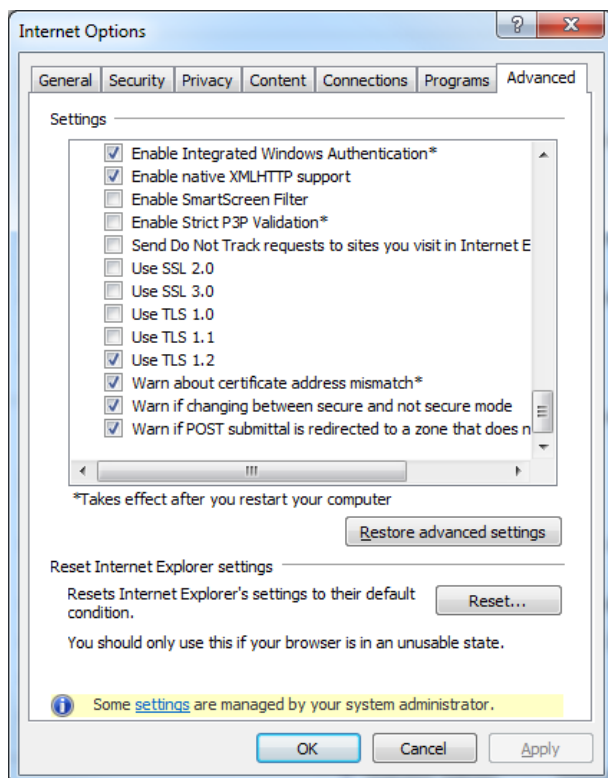


Appendix D – Browser setup details

Support security protocol TLS 1.2

The below settings can be set as follows.

1. In the Windows start menu search box, search for **Internet options** and open it
2. On the **Advanced tab**, scroll down to the **Security** section
3. Check the **Use TLS 1.2** checkbox



4. Click **OK**
5. Restart the browser

Change log

6. Change log

Major changes applied to this document after the last version has been published.

Version	Date	Change
3.2	21.03.2016	IP Address web application
3.3	26.06.2017	C7 release 4.0 update
3.4	28.05.2019	Updated list of browsers
3.5	09.02.2021	Updated document paths on the Eurex website and supported TLS version
3.6	20.05.2022	Updated descriptions in browser setup details. Replaced MS Internet Explorer with Edge in supported browsers.
