

User Guide

**BCS**

**IDEM**

**ACCESS**

**CONFIGURATION**

**GUIDE**

Issue 1.2 | 19<sup>TH</sup> DECEMBER 2023



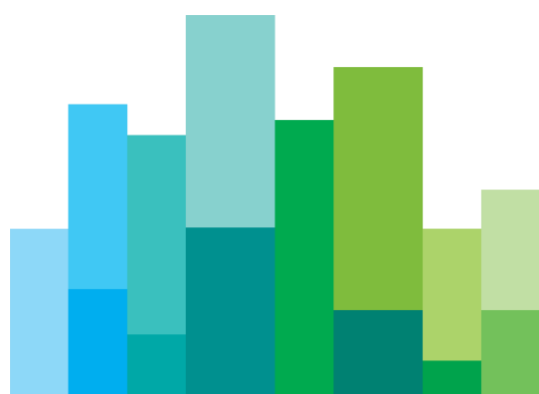
**EURONEXT CLEARING**

# TABLE OF CONTENTS

- Revision History ..... 3
- 1 introduction..... 4**
- 2 BCS GUI (Workstation)..... 6**
  - 2.1 PC minimal requirements ..... 7
  - 2.2 Bandwidth requirements ..... 7
  - 2.3 Operating systems supported ..... 7
  - 2.4 Application Size..... 7
- 3 BCS API ..... 8**
- 4 Connection to the BCS Clearing system ..... 10**
- 5 System access credentials..... 12**
- 6 Software versions management ..... 14**
- 7 Service availability ..... 16**

## Revision History

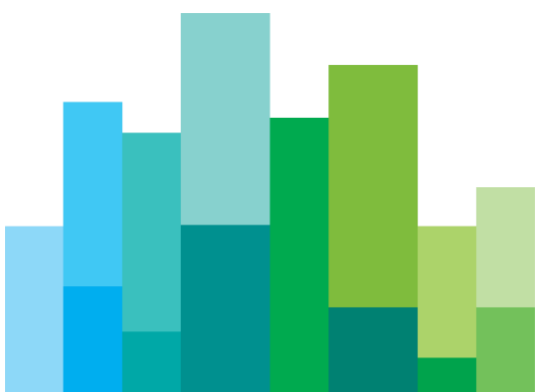
Date	Version	Description	Author
<b>Oct 2019</b>	1.0.1	First release	Borsa Italiana
<b>Apr 2021</b>	1.1	Euronext rebranding	Borsa Italiana
<b>Oct 2022</b>	1.1a	Rebranding	Borsa Italiana
<b><u>Dec 2023</u></b>	<u>1.2</u>	<u>New Euronext IP, updated connectivity chapters (VPN LAN-to-LAN appendix removed)</u>	<u>Borsa Italiana</u>



# 1 INTRODUCTION

The current document describes how to connect to the BCS servers using the GUI (Workstation) or the API (Application Program Interface) connection.

## 2 BCS GUI (WORKSTATION)



The BCS GUI (Workstation) is a client application giving access to the BCS clearing system; it is a Java based application that is downloadable from Borsa Italiana website and can be installed on any PC running the supported operating systems.

The BCS GUI uses the Java Virtual Machine version 1.8, that is included in the setup package.

The latest version of the BCS GUI is available at the following address:

**<http://www.borsaitaliana.it/borsaitaliana/intermediari/gestione-mercati/bcs-bitclearingstation/bcs.htm>**

## 2.1 PC minimal requirements

- Processor : Intel Pentium Dual Core 2GHz or better;
- RAM memory: 512 MB minimum, 1 GB recommended;
- Hard drive space: 200 MB.

## 2.2 Bandwidth requirements

Performance test of the application, reproducing the standard clearing operations, showed that each connection has a bandwidth occupation up to 64 kbps. The bandwidth peak is reached during the login phase, when static data is downloaded.

## 2.3 Operating systems supported

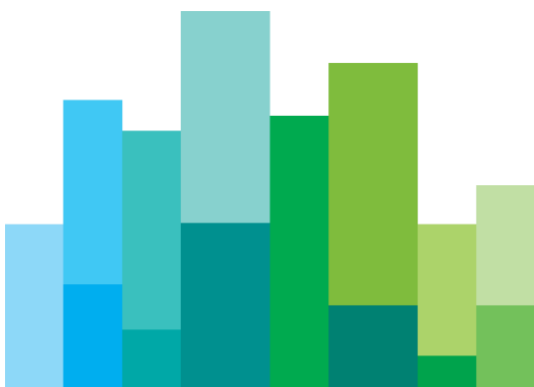
The supported operating systems, JVM 1.8 compliant, are:

- Windows Vista SP2 / 7 / 8 /10.

## 2.4 Application Size

The application size (GUI BCS + JVM) is about 170 MB.

# 3 BCS API

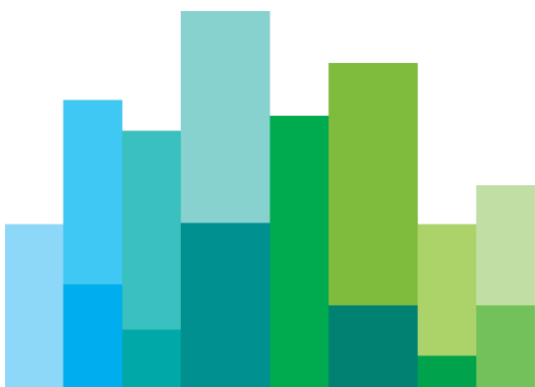




1. The BCS API libraries can be used by Members and ISVs to connect to the BCS clearing system.
2. The API libraries are written in C/C++ and are available for Windows, Solaris 5.8, Linux Red Hat 9 and AIX 5. It is possible to download the API library package at the following address:
3. **<http://www.borsaitaliana.it/borsaitaliana/intermediari/gestione-mercati/bcs-bitclearingstation/bcs.htm>**
4. All the related documentation (Programmer's Manual, API Data Layouts) is available at the same address.
5. The test/production environment configuration can be specified by setting the 'TCP\_IP' parameter of the GKApi.txt configuration file with the destination IP address, according to the following table:

	SOLA Service	IP Addresses	External TCP PORT
PRODUCTION PDC	SERVER 01	<a href="http://212.107.67.4">212.107.67.4</a>	TCP 34900
	SERVER 02	<a href="http://212.107.67.5">212.107.67.5</a>	
PRODUCTION SDC	SERVER 01	<a href="http://212.107.67.100">212.107.67.100</a>	
	SERVER 02	<a href="http://212.107.67.101">212.107.67.101</a>	
TEST CDS	SERVER 01	<a href="http://212.107.67.20">212.107.67.20</a>	

# 4 CONNECTION TO THE BCS CLEARING SYSTEM

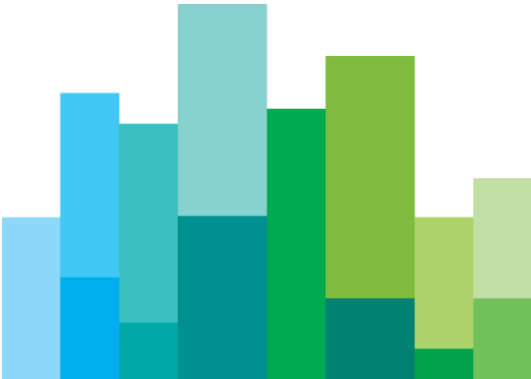


The connection to the BCS Clearing system is available through any network infrastructure currently used for the access to any market of the Group (EMC, Euronext London/Aruba/Saint Denis CMC, Aruba COLO).

Customers that use any of the Group market production leased line have to enable the port 34900.

DR is not available for Aruba COLO.

# 5 SYSTEM ACCESS CREDENTIALS



The access to the BCS system is carried out through User name, Password and Member Code.

The member code is a unique ID for companies admitted to IDEM trading and/or clearing services and corresponds to the CED code.

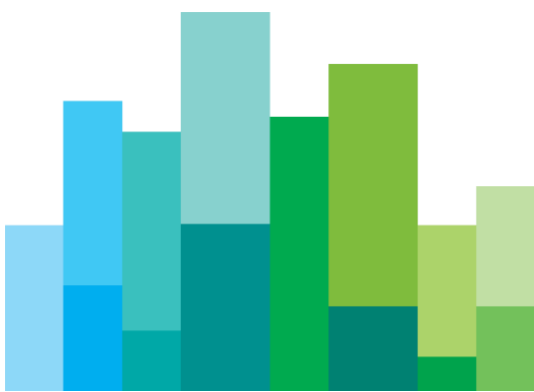
Two categories of users are available:

- BCS GUI (Workstation) users;
- BCS API users.

There is no link between client PCs where the application is launched and applications users, that means that the same user can connect to the service from different PCs but not at the same time.

If a user tries to connect to the service with a username already connected he will receive an error message like 'user already logged'.

# 6 SOFTWARE VERSIONS MANAGEMENT



New software releases can involve BCS application servers and/or BCS GUI and/or BCS API library.

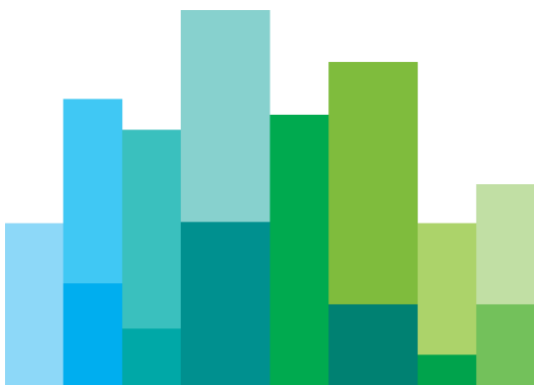
New releases are always notified to users and can belong to two different categories:

- Bug fixing releases: in this case, a communication is sent to users five days before the release in the production environment;
- New features releases: in this case, a communication is sent to users at least one month in advance. The new version is first deployed in the CDS test environment to let users test the new features.

Releases involving BCS-API can belong to two different categories:

- New data layout releases: in this case, a communication is sent to users at least one month in advance. The new version is first deployed in the CDS test environment to let users test the new features. A new version of the Data Layout document is provided.
- New API library releases: in this case, a communication is sent to users at least one month in advance to let the users develop and test the new API features in the test environment. A new version of the Programmer's Guide document is provided.

# 7 SERVICE AVAILABILITY





The following are the availability times of the BCS Clearing system:

- Production: from 07.30 AM to 11.50 PM
- Test CDS: from 08.30 AM to 06.30 PM

# CONTACT

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