

Appendix A

8 Appendix A

8.1 Introduction

This work sheet has been provided to help to install the GATE Front End Software package on the system.

The installation procedure provided on the GATE Installation Kit via the FTP transfer for both the MISS (Server) and WS (Client) packages will allow easy installation and configuration of the software. In order to configure the software correctly, the installation procedure requires to provide some User-specific details some of which are about the hardware and some of which will have been provided by the Deutsche Börse.

The GATE Installation Work Sheet has two main purposes:

It conveniently collects together on one sheet of paper all the information required during the installation process.

It documents the system to enable the Exchange Hotline to assist more productively.

8.2 Filling in the Work Sheet

The Work Sheet is subdivided into several sections:

- A Hardware Configuration Details
- B Configuration Information Supplied by the Deutsche Börse
- C MISS Configuration Details
- D Workstation Configuration Details.

Appendix A

8.3 Sections

8.3.1 Section A - Hardware Configuration Details

Write down the Details of the systems configuration:

Free Disk Space

8.3.2 Section B - Configuration Information Supplied by the Deutsche Börse

Please fill out the following details:

The Member ID

The FTP password for xnet51 or xnet52 for simulation (provided by DBAG)

8.3.3 Section C- MISS Configuration Details

Write down:

NT Domain Name or Workgroup which is used (NT Only)

LAN-TCP Host Name

WAN-TCP Host Name (provided by DBAG)

Broadcast Address of MISSes

LogicalDevice ID of the MISS A (Range 1-9999)

LogicalDevice ID of the MISS B (Range 1-9999)

Host Name (Adapter) of the MISS A

Host Name (Adapter) of the MISS B

8.3.4 Section D- Workstation Configuration Details.

Logical Device ID of each workstation (Range 20000-29999).

Host Name of each workstation

HostID of each workstation

The machine-specific information may easily be obtained for each platform as follows:

Appendix A

8.3.5 Machine-specific Details for AIX

8.3.5.1 Host Name



Type at the command line:

hostname

The system responds with the hostname.

8.3.5.2 Host Id



Type at the command line:

hostid

The system responds with the hostid in the format 0xc0a832e6.



The host ID must be 8 characters on AIX with a leading zero if necessary (if it consists of only 7 characters).

In this case enter the leading zero to the hostid, e.g. 03123456

8.3.5.3 Broadcast Address



Type at the command line

ifconfig en0 If the en0 network card is connected to the member LAN

The system provides the broadcast address e.g. 192.168.50.255

Appendix A

8.3.6 Machine-specific Details for SUN

8.3.6.1 Host Name



Type at the command line:

hostname

The system responds with the hostname.

8.3.6.2 Host Id



Type at the command line:

hostid

The system responds with the hostid in the format c0a832e6.



The host ID must be 8 characters on SUN with a leading zero if necessary (if it consists of only 7 characters).

In this case enter the leading zero to the hostid, e.g. 03123456

8.3.6.3 Broadcast Address



Type at the command line

ifconfig le0 If the le0 network card is connected to the member LAN

The system provides the broadcast address e.g. 192.168.50.255

Appendix A

8.3.7 Machine-specific Details for NT

All the information can be obtained from NT by the following method:

8.3.7.1 Host Name

Type "hostname" at the prompt and Host Name is displayed.

8.3.7.2 Host Id

Type "nhostid" at the prompt and the Host Id for the first adapter is displayed. The tool "nhostid" is provided in the transfer directory .\NT.



This must be entered/Copied without the hyphens and in lower-case but including all leading zeros:

i.e. **00885fc10d2b**

8.3.7.3 Broadcast Address

To obtain the Broadcast Address take the IP Address provided by ipconfig and apply the subnet mask to it:

If e.g. the member network is a class 'C' network

IP Address	192.168.50.91
Subnet Mask	255.255.255.0
Broadcast Address	192.168.50.255

Appendix A

8.4 Work Sheets

Help Desk: +49 / (0)69 / 2101 8400

A - Hardware Configuration Details

	MISS A	MISS B
Free Disk Space		

B- Configuration Information provided by Deutsche Börse

Member ID	_____
FTP xnet51/xnet52 Password	_____

C- MISS Configuration Details

	MISS A	MISS B
Domain Name (Windows NT Only)		
LAN-TCP Host Name		
WAN-TCP Host Name		
Broadcast Address		
Logical Device ID		
HostID		

Appendix A

D Workstation Configuration Details

WS Number	Primary MISS device ID	Logical Device-ID	WS Host name	WS Host-ID
01				
02				
03				
04				
05				
06				
07				
08				
09				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				

Prepared By _____

Date _____

Appendix B

9 Appendix B

9.1 Allocation of TCP Ports for GATE

The GATE Front End Software requires TCP ports as depicted in the table below. These will be allocated automatically for you during the installation process. The default values are shown in the following table: Unless you experience specific problems with your installation you are recommended to keep the default values. Refer to *Member Front End Operations Guide GATE* for further information.

GATE replaces @@ with '90' for production environment or with '91' for simulation environment.

Port Name	Port
LAN_TRANSPORT_SERVER IpcListenport entry	1@@22
AVAILABILITY_LISTENPORT	1@@23
SESSION_LISTENPORT	1@@24
FE_SECURITY_LISTENPORT	1@@25
MSGLOGSRV_LISTENPORT	1@@26
BRC_RECEIVER_LISTENPORT	1@@28
BRC_REPUBLISHER_LISTENPORT	1@@30
LAN_TRANSPORT_SERVER ClientRequestListenport entry	1@@33
LAN_TRANSPORT_CLIENT IpcListenport entry	1@@38
BB_LISTENPORT	1@@39
BRC_MAIN_BROADCAST_PORT	1@@95
BRC_REQUEST_BROADCAST_PORT	1@@96
BRC_RESPONSE_BROADCAST_PORT	1@@97

Appendix B

9.2 Changes of the TCP/IP Settings

The following TCP/IP settings have to be set during installation:

Microsoft Windows NT 4.0/ Intel Platform

Parameter	Suggested Values Decimal Value [ms]
KeepAliveInterval	5000
KeepAliveTime	5000
TcpMaxDataRetransmissions	4 times
TcpMaxConnectRetransmissions	1 times
TcpTimedWaitDelay	10000 (10)*

* In brackets are the values that are used in the Windows NT registry.

IBM AIX

Parameter	Suggested Values Decimal Value [ms]
tcp_keepinit	8000 (16)*
tcp_keepintvl	3000 (6)*
tcp_keepidle	20000 (20)*

* In brackets are the values that are used with no -o in the startup script.

Appendix B

Sun Solaris/ SPARC Architecture

Parameter	Suggested Values Decimal Value [ms]
tcp_close_wait_interval	10000
tcp_keepalive_interval	10000
tcp_ip_abort_interval	20000
tcp_ip_abort_cinterval	6000
tcp_rexmit_interval_initial	500
tcp_conn_grace_period	500
