

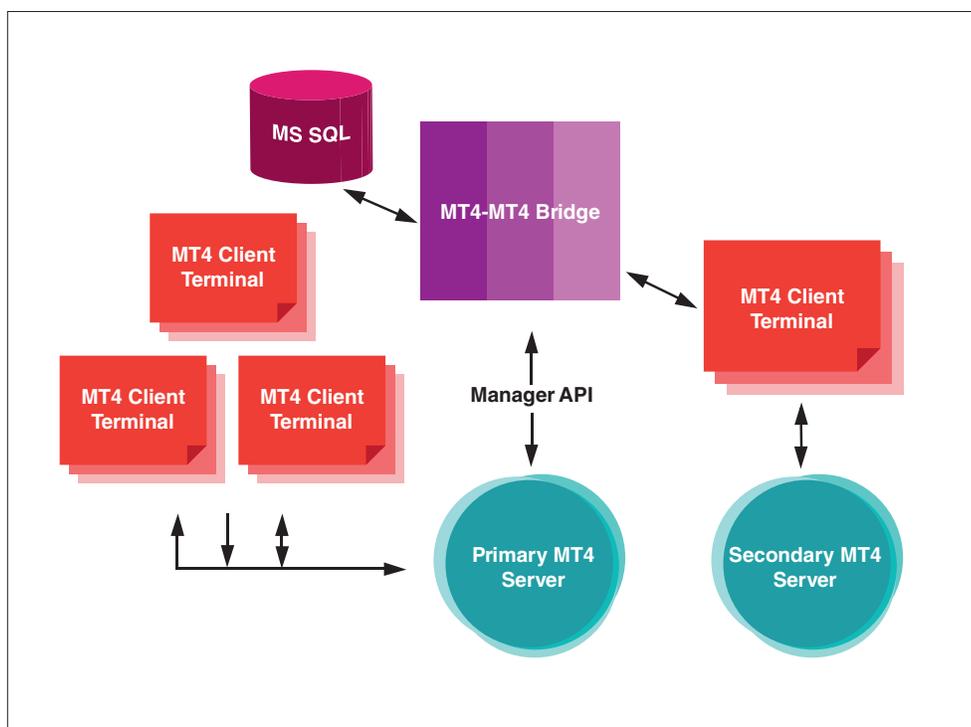
# MT4-MT4 Bridge

## *User Guide*

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**MT4-MT4 Bridge links two MetaTrader servers and allows transferring orders and trades between them. The bridge allows the broker to submit trade requests to a larger broker of its choice (configuration is tuned in MT4-MT4 Bridge). The broker can charge the trader a commission and/or higher spreads as usual.**

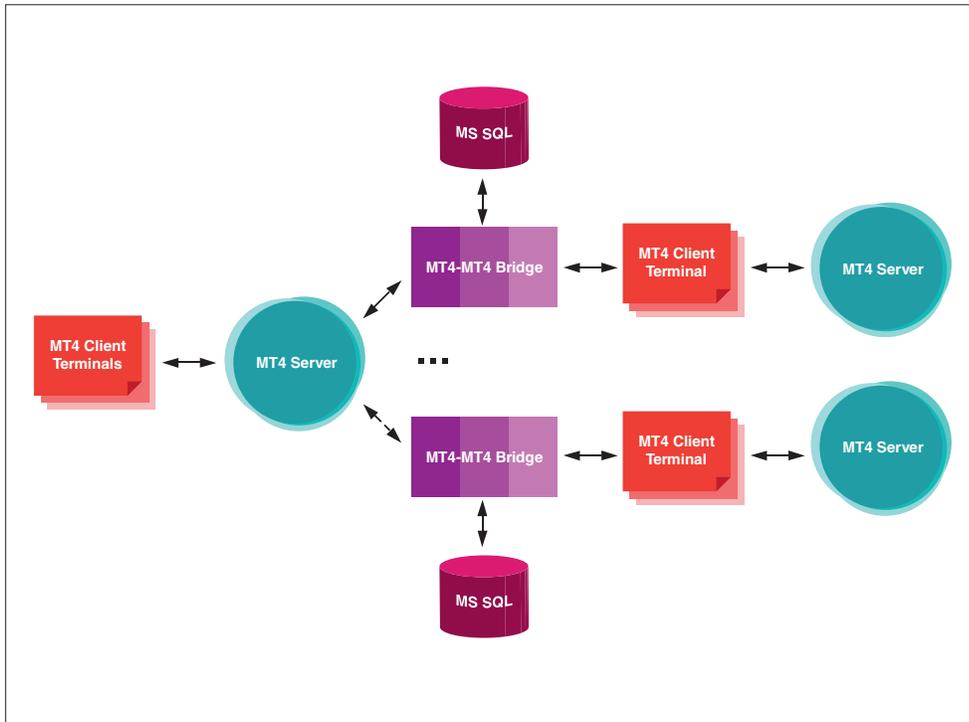


Small Brokerage Company can provide trading on its own MT4 platform or send a request to External MT4 Server.

MT4-MT4 Bridge work with Internal MT4 Server as an automated dealer. It provides an interface to transfer orders and trades between Internal and External MT4 Servers.

Primary (Internal) MT4 Server confirms client's requests only after these requests are confirmed on External MT4 Server. Trades correspondence is stored in MS SQL database. You can connect to Secondary MT4 Server Bridge, using a MT4 client terminal (External MT4 System), with EA (Trade Bridge) script running. Execution price is equal for Primary and Secondary Servers if execution type "Market" is selected on Primary Server for instruments. Otherwise it can differ, but not exceed the deviation in points configured in Symbols tab.

One MT4 Server can connect to multiple MT4 servers using MT4-MT4 bridges.



This architecture consists of one Primary Server and several Secondary Servers. The same product cannot be transferred to 2 or more secondary servers.

## Example

*S1 – Primary Server, S2, S3 – Secondary Servers.  
S1 and S2 exchange trade requests by symbols EURUSD, USDJPY and USDCHF.  
These symbols are not allowed for exchange with S3.*

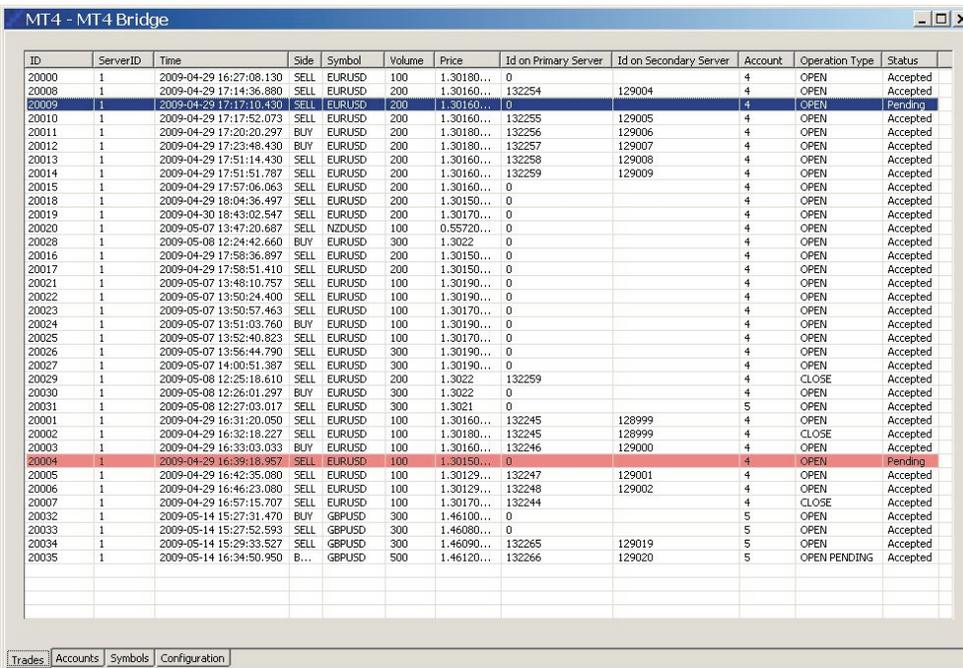
# MT4-MT4 Bridge

Tune work platform for MT4 Bridge (please refer to 'Install Guide' for detailed instructions).

Open MT4Bridge.exe file to run MT4-MT4 Bridge.

## “Trades” tab

Trade IDs for both sides of the Bridge are shown in “Trades” tab.



ID	ServerID	Time	Side	Symbol	Volume	Price	Id on Primary Server	Id on Secondary Server	Account	Operation Type	Status
20000	1	2009-04-29 16:27:08.130	SELL	EURUSD	100	1.30180...	0		4	OPEN	Accepted
20008	1	2009-04-29 17:14:36.880	SELL	EURUSD	200	1.30160...	132254	129004	4	OPEN	Accepted
20009	1	2009-04-29 17:17:10.430	SELL	EURUSD	200	1.30160...	0		4	OPEN	Pending
20010	1	2009-04-29 17:17:52.073	SELL	EURUSD	200	1.30160...	132255	129005	4	OPEN	Accepted
20011	1	2009-04-29 17:20:20.297	BUY	EURUSD	200	1.30180...	132256	129006	4	OPEN	Accepted
20012	1	2009-04-29 17:23:48.430	BUY	EURUSD	200	1.30180...	132257	129007	4	OPEN	Accepted
20013	1	2009-04-29 17:51:14.430	SELL	EURUSD	200	1.30160...	132258	129008	4	OPEN	Accepted
20014	1	2009-04-29 17:51:51.787	SELL	EURUSD	200	1.30160...	132259	129009	4	OPEN	Accepted
20015	1	2009-04-29 17:57:06.063	SELL	EURUSD	200	1.30160...	0		4	OPEN	Accepted
20018	1	2009-04-29 18:04:36.497	SELL	EURUSD	200	1.30150...	0		4	OPEN	Accepted
20019	1	2009-04-30 18:43:02.547	SELL	EURUSD	200	1.30170...	0		4	OPEN	Accepted
20020	1	2009-05-07 13:47:20.687	SELL	NZDUSD	100	0.55720...	0		4	OPEN	Accepted
20028	1	2009-05-08 12:24:42.660	BUY	EURUSD	300	1.3022	0		4	OPEN	Accepted
20016	1	2009-04-29 17:58:36.897	SELL	EURUSD	200	1.30150...	0		4	OPEN	Accepted
20017	1	2009-04-29 17:58:51.410	SELL	EURUSD	200	1.30150...	0		4	OPEN	Accepted
20021	1	2009-05-07 13:48:10.757	SELL	EURUSD	100	1.30190...	0		4	OPEN	Accepted
20022	1	2009-05-07 13:50:24.400	SELL	EURUSD	100	1.30190...	0		4	OPEN	Accepted
20023	1	2009-05-07 13:50:57.463	SELL	EURUSD	100	1.30170...	0		4	OPEN	Accepted
20024	1	2009-05-07 13:51:03.760	BUY	EURUSD	100	1.30190...	0		4	OPEN	Accepted
20025	1	2009-05-07 13:52:40.823	SELL	EURUSD	100	1.30170...	0		4	OPEN	Accepted
20026	1	2009-05-07 13:56:44.790	SELL	EURUSD	300	1.30190...	0		4	OPEN	Accepted
20027	1	2009-05-07 14:00:51.387	SELL	EURUSD	300	1.30190...	0		4	OPEN	Accepted
20029	1	2009-05-08 12:25:18.610	SELL	EURUSD	200	1.3022	132259		4	CLOSE	Accepted
20030	1	2009-05-08 12:26:01.297	BUY	EURUSD	300	1.3022	0		4	OPEN	Accepted
20031	1	2009-05-08 12:27:03.017	SELL	EURUSD	300	1.3021	0		5	OPEN	Accepted
20001	1	2009-04-29 16:31:20.050	SELL	EURUSD	100	1.30160...	132245	128999	4	OPEN	Accepted
20002	1	2009-04-29 16:32:18.227	SELL	EURUSD	100	1.30180...	132245	128999	4	CLOSE	Accepted
20003	1	2009-04-29 16:33:03.033	BUY	EURUSD	100	1.30160...	132246	129000	4	OPEN	Accepted
20004	1	2009-04-29 16:39:18.957	SELL	EURUSD	100	1.30150...	0		4	OPEN	Pending
20005	1	2009-04-29 16:42:35.080	SELL	EURUSD	100	1.30129...	132247	129001	4	OPEN	Accepted
20006	1	2009-04-29 16:46:23.080	SELL	EURUSD	100	1.30129...	132248	129002	4	OPEN	Accepted
20007	1	2009-04-29 16:57:15.707	SELL	EURUSD	100	1.30170...	132244		4	CLOSE	Accepted
20032	1	2009-05-14 15:27:31.470	BUY	GBPUSD	300	1.46100...	0		5	OPEN	Accepted
20033	1	2009-05-14 15:27:52.593	SELL	GBPUSD	300	1.46080...	0		5	OPEN	Accepted
20034	1	2009-05-14 15:29:33.527	SELL	GBPUSD	300	1.46090...	132265	129019	5	OPEN	Accepted
20035	1	2009-05-14 16:34:50.950	B...	GBPUSD	500	1.46120...	132266	129020	5	OPEN PENDING	Accepted

When a request is submitted to Internal (Primary) MT4 Server, the Bridge transfers this request to External (Secondary) MT4-MT4 Server. After the request is submitted to Secondary MT4 Server, it can be confirmed on the primary MT4 Bridge.

When Automatic execution mode function is selected the trade moves to External Server.

ServerID	Time	Side	Status
1	2009-04-29 16:27:08.130	SELL	Accepted
1	2009-04-29 17:14:36.880	SELL	Accepted
1	2009-04-29 17:17:10.430	SELL	Pending
1	2009-04-29 17:17:52.073	SELL	Accepted
1	2009-04-29 17:20:20.297	BUY	Accepted
1	2009-04-29 17:23:48.430	BUY	Accepted
1	2009-04-29 17:51:14.430	SELL	Accepted
1	2009-04-29 17:51:51.787	SELL	Accepted
1	2009-04-29 17:57:06.063	SELL	Accepted

Otherwise If Manual-execution mode selected the trade is highlighted in red. Administrator can manually **Accept** or **Reject** the transportation of trade request to External (Secondary) Server.

# MT4-MT4 Bridge

User can customize the list of grid columns in the grid:

ServerID	Time	Side	Symbol	Volume	Price
0000	1	2009-04-29 16:27:08.130	SELL	EURUSD	100
0008	1	2009-04-29 17:14:36.880	SELL	EURUSD	200
0009	1	2009-04-29 17:17:10.430	SELL	EURUSD	200
0010	1	2009-04-29 17:17:52.073	SELL	EURUSD	200
0011	1	2009-04-29 17:20:20.297	BUY	EURUSD	200
0012	1	2009-04-29 17:23:48.430	BUY	EURUSD	200
0013	1	2009-04-29 17:51:14.430	SELL	EURUSD	200
0014	1	2009-04-29 17:51:51.787	SELL	EURUSD	200
0015	1	2009-04-29 17:57:06.063	SELL	EURUSD	200
0018	1	2009-04-29 18:04:36.497	SELL	EURUSD	200
0019	1	2009-04-30 18:43:02.547	SELL	EURUSD	200
0020	1	2009-05-07 13:47:20.687	SELL	NZDUSD	100
0028	1	2009-05-08 12:24:42.660	BUY	EURUSD	200

Right-click the pop-up menu and select the item 'Edit columns'

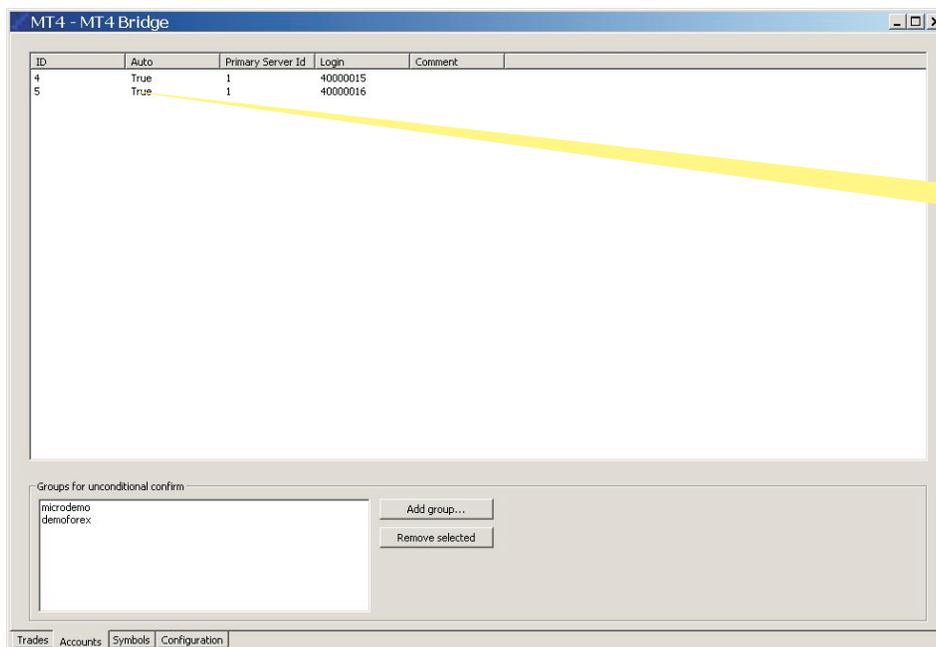
Side	Symbol	Volume	Price	Id on Primary Server	Id on Secondary Server	Account	
-04-29 16:27:08.130	SELL	EURUSD	100	1.30180...	0	4	
-04-29 17:14:36.880	SELL	EURUSD	200	1.30160...	132254	129004	4
-04-29 17:17:10.430	SELL	EURUSD	200	1.30160...	0	4	
-04-29 17:17:52.073	SELL	EURUSD	200	1.30160...	132255	129005	4
-04-29 17:20:20.297	BUY	EURUSD	200	1.30180...	132256	129006	4
-04-29 17:23:48.430	BUY	EURUSD	200	1.30180...	132257	129007	4
-04-29 17:51:14.430	SELL	EURUSD	200	1.30160...	132258	129008	4
-04-29 17:51:51.787	SELL	EURUSD	200	1.30160...	132259	129009	4
-04-29 17:57:06.063	SELL	EURUSD	200	1.30160...	132260	129010	4
-04-29 18:04:36.497	SELL	EURUSD	200	1.30160...	132261	129011	4
-04-30 18:43:02.547	SELL	EURUSD	200	1.30160...	132262	129012	4
-05-07 13:47:20.687	SELL	NZDUSD	100	1.46080...	0	4	
-05-08 12:24:42.660	BUY	EURUSD	200	1.30160...	132263	129013	4
-04-29 17:58:36.897	SELL	EURUSD	200	1.30160...	132264	129014	4
-04-29 17:58:51.410	SELL	EURUSD	200	1.30160...	132265	129015	4
-05-07 13:48:10.757	SELL	EURUSD	200	1.30160...	132266	129016	4
-05-07 13:50:24.400	SELL	EURUSD	200	1.30160...	132267	129017	4
-05-07 13:50:57.463	SELL	EURUSD	200	1.30160...	132268	129018	4
-05-07 13:51:03.760	BUY	EURUSD	200	1.30160...	132269	129019	4
-05-07 13:52:40.823	SELL	EURUSD	200	1.30160...	132270	129020	4
-05-07 13:56:44.790	SELL	EURUSD	200	1.30160...	132271	129021	4
-05-07 14:00:51.387	SELL	EURUSD	200	1.30160...	132272	129022	4
-05-08 12:25:18.610	SELL	EURUSD	200	1.30160...	132273	129023	4
-05-08 12:26:01.297	BUY	EURUSD	200	1.30160...	132274	129024	4
-05-08 12:27:03.017	SELL	EURUSD	200	1.30160...	132275	129025	5
-04-29 16:31:20.050	SELL	EURUSD	200	1.30160...	128999	128999	4
-04-29 16:32:18.227	SELL	EURUSD	200	1.30160...	128999	128999	4
-04-29 16:33:03.033	BUY	EURUSD	200	1.30160...	129000	129000	4
-04-29 16:39:18.957	SELL	EURUSD	200	1.30160...	129001	129001	4
-04-29 16:42:35.080	SELL	EURUSD	200	1.30160...	129002	129002	4
-04-29 16:46:23.080	SELL	EURUSD	200	1.30160...	129003	129003	4
-04-29 16:57:15.707	SELL	EURUSD	200	1.30160...	129004	129004	4
-05-14 15:27:31.470	BUY	GBPUSD	300	1.46080...	0	5	
-05-14 15:27:52.593	SELL	GBPUSD	300	1.46080...	0	5	
-05-14 15:29:33.527	SELL	GBPUSD	300	1.46090...	132265	129019	5
-05-14 16:34:50.950	B...	GBPUSD	500	1.46120...	132266	129020	5

'Edit Trades List Columns' window appears.  
Select the required columns and click the 'Apply changes' button

## “Accounts” tab

“Accounts” tab provides account maintenance functionality.

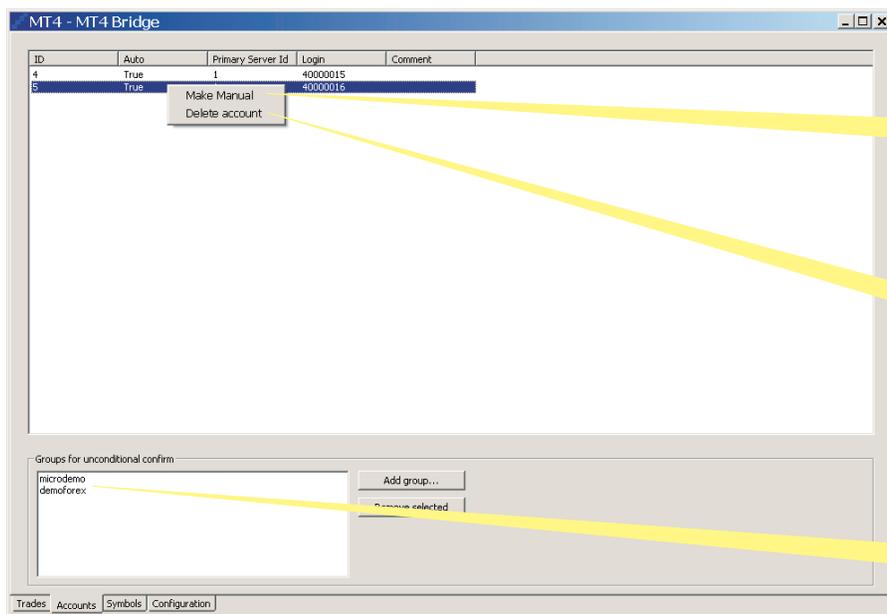
Accounts are added in this tab automatically after trading is started by the selected account. Default execution mode is “Auto”.



Right-click the pop-up menu and select the item 'Edit columns'

You can use “Accounts” tab to:

- Set the transferring (execution) mode
- Delete an account
- Select groups of accounts that don't need confirmation from Secondary Server to place a request/ trade



Account is switched to Manual operation

Account is deleted from the list of MT4-MT4 Bridge accounts

The group of users that do not need trade confirmation from Secondary (External) Server

### *Setting the Transferring (Execution) mode*

Administrator can set the type of execution for accounts – manual or automatic. Default execution type for new accounts is Automatic (Auto = "True").

Administrator can choose "Manual" mode by selecting "Make Manual" from the popup menu. Manual execution of an account supposes that Administrator will Accept or Reject orders and trades transfer manually (see the section above).

### *Deleting an account*

Administrator can delete an account from the list of Bridge accounts. This function is used when account is deleted on MT4 platform but left in the MT4-MT4 Bridge database.

### *Group Maintenance*

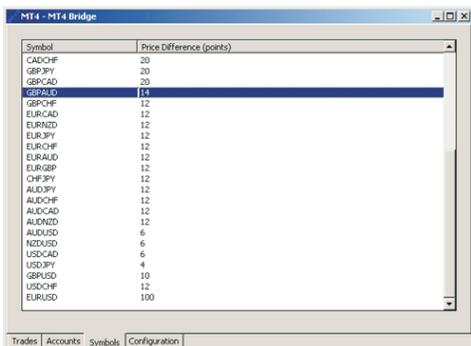
Administrator can **Add/Remove** a group of accounts that do not need confirmation from MT4 Bridge to place a trade on External (Secondary) Server. The group name should be the same as on Internal (Primary) MT4 Server.

When the user submits trade request to open position on Primary MT4 Server the confirmation from MT4 Bridge about successful placement on Secondary Server is received. If MT4 Bridge sends a reject message the position will not be opened on Primary MT4 Server.

If a group is added to "Groups for unconditional confirm" list, the position on Primary MT4 Server will be opened for this group in any case, no matter whether confirm or reject message is received.

## “Symbols” tab

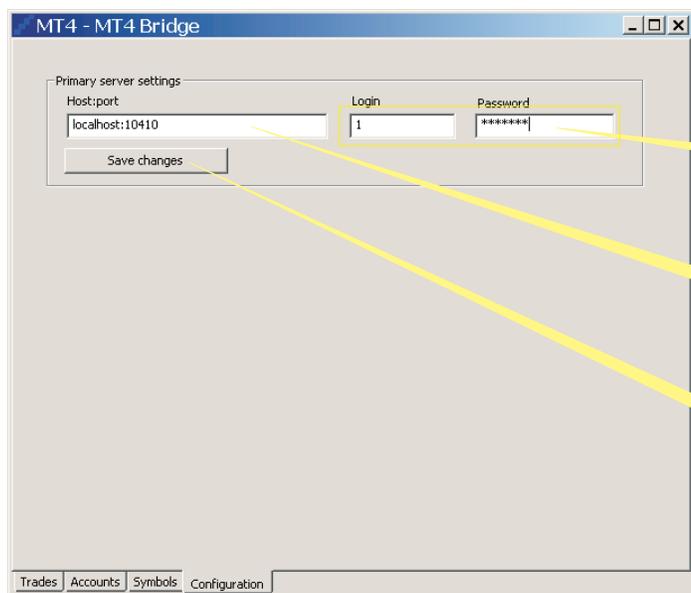
“Symbols” tab allows setting up the maximum price deviation and prohibiting trading by defined symbol.



If trading by symbol is not allowed Price difference = -10000 should be set.

## “Configuration” tab

Using “Configuration” tab administrator can change connection parameters for Primary MT4 Server.



Manager Login and password

Primary MT4 Server host and connectivity port

Press to save changes

Administrator can change Host and Port.

Administrator can change Manager Login and Password. They should be the same as Login and Password of Manager Application in Internal (Primary) MT4 Server.

**Primary/Internal MT4 Platform**

MT4 Platform from which trade requests are transferred to Secondary (External) server.

**Secondary/External MT4 Platform**

MT4 Platform of the bigger brokerage company. Trade requests from Primary Server move to Secondary Server.

**MT4 Client Application**

MetaTrader Client trading application.

**MT4 Manager Application**

MetaTrader Manager application.

**MT4 Administrator**

MetaTrader Administrator application.

**MT4 Server**

MetaTrader Server.

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