

MetaTrader API – server communication

ReqID; Command; What; ...

| Request                                  | Detailed                      | Command | What | Next columns                          |   |         |           |             |             |             |                         |                         |         | Return  |
|--|-------------------------------|---------|------|---------------------------------------|---|---------|-----------|-------------|-------------|-------------|-------------------------|-------------------------|---------|---|
| Column (1 <sup>st</sup> column is ReqID) |                               | 2       | 3    | 4                                     | 5                                       | 6       | 7         | 8           | 9           | 10          | 11                      | 12                      | 13      |   |
| Exit                                     |                               | 0       | 0    |                                       |   |         |           |             |             |             |                         |                         |         | 1   |
| Long value                               | Current terminal time         | 1       | 1    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Current server time           | 1       | 2    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account number                | 1       | 3    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account leverage              | 1       | 4    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Opened positions count        | 1       | 5    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Closed positions count        | 1       | 6    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Pending orders count          | 1       | 7    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
| Double value                             | Account balance               | 2       | 1    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account equity                | 2       | 2    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account free margin           | 2       | 3    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account margin                | 2       | 4    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account profit                | 2       | 5    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account day profit            | 2       | 6    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol initial margin         | 2       | 7    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol maintenance margin     | 2       | 8    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol point value            | 2       | 9    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol trade tick value       | 2       | 10   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol min volume             | 2       | 11   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol max volume             | 2       | 12   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol current Bid            | 2       | 13   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol current Ask            | 2       | 14   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol Point size             | 2       | 15   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol Lot size               | 2       | 16   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Symbol Tick value in deposit  | 2       | 17   | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account equity – lowest       | 2       | 18   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account equity – highest      | 2       | 19   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account free margin – lowest  | 2       | 20   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account free margin – highest | 2       | 21   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account day P/L – lowest      | 2       | 22   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account day P/L – highest     | 2       | 23   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account gross P/L – lowest    | 2       | 24   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account gross P/L – highest   | 2       | 25   |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
| String value                             | Account name                  | 3       | 1    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account currency              | 3       | 2    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account company               | 3       | 3    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account server                | 3       | 4    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
|  | Account type                  | 3       | 5    |                                       |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Value;   |
| History request                          |                               | 4       | 0    | Symbol                                | TF                                      | Count   | Time Till |             |             |             |                         |                         |         | ReqID;Command;What;Index;Time;High;Low;Open;Close;Spread;Volume;  |
| Get symbols list                         |                               | 5       | 0    | Active = 1 / Non-active = 0 / All = 3 |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;Symbol;IsActive;   |
| Symbol +/- MarketWatch                   |                               | 6       | 0    | Symbol                                | New state = 0 / 1                       |         |           |             |             |             |                         |                         |         | ReqID;Command;What;0/1;   |
| Is Timeframe valid?                      |                               | 7       | 0    | TF (string)                           |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;IsValid;   |
| Trades                                   | Closed positions – history    | 8       | 1    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;OrderID;Profit;OpenPrice;Lots;StopLoss;TakeProfit;OpenTime;CloseTime;WasBuy;MagicNo;Comment; |
| Trades                                   | Opened positions              | 8       | 2    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;OrderID;Profit;OpenPrice;Lots;StopLoss;TakeProfit;OpenTime;IsBuy;MagicNo;Comment;            |
| Trades                                   | Pending orders                | 8       | 3    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;OrderID;Rate;Lots;StopLoss;TakeProfit;PlaceTime;IsBuy;MagicNo;                               |
| Trades                                   | Pending orders – history      | 8       | 4    | Symbol                                |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;OrderID;Rate;Lots;StopLoss;TakeProfit;PlaceTime;RemoveTime;IsBuy;MagicNo;                    |
| Trades                                   | Remove pending order          | 9       | 5    | Symbol                                | OrderID                                 | MagicNo | Comment   |             |             |             |                         |                         |         | ReqID;Command;What;0/1;   |
| Trades                                   | Place order                   | 9       | 6    | Symbol                                | IsBuy                                   | Lots    | Rate      | Stop        | Take profit | IsTrailing  | Exp. Time (-1 is Daily) | MagicNo                 | Comment | ReqID;Command;What;OrderID;   |
| Trades                                   | Open position                 | 9       | 7    | Symbol                                | IsBuy                                   | Lots    | Stop      | Take profit | IsTrailing  | MagicNo     | Comment                 |                         |         | ReqID;Command;What;OrderID;   |
| Trades                                   | Close position                | 9       | 8    | Symbol                                | OrderID                                 |         |           |             |             |             |                         |                         |         | ReqID;Command;What;0/1;   |
| Trades                                   | Close net symbol positions    | 9       | 9    | Symbol                                | MagicNo                                 |         |           |             |             |             |                         |                         |         | ReqID;Command;What;0/1;   |
| Trades                                   | OCO Order                     | 9       | 10   | Symbol                                | 1 <sup>st</sup> / 2 <sup>nd</sup> Order | IsBuy   | Lots      | Rate        | Stop        | Take profit | IsTrailing              | Exp. Time (-1 is Daily) | Comment | ReqID;Command;What;OrderID;   |
| Set string value                         | Logfile path                  | 10      | 1    | Path                                  |   |         |           |             |             |             |                         |                         |         | ReqID;Command;What;0/1;   |