...HTS

>[ ]

…

, HTML[ hypertext markup language ]
, HTML VBScrip t

VBScript Visual Basic, Visual C++

...''''

CybosPlus

CybosPlus''''

...
CybosPlus Connection

<CybosPlus> • U-CYBOS Global  CybosPlus .
(U-CYBOS , CybosPlus  CybosPlus )
• U-CYBOS Global  CybosPlus .
• CybosPlus  cp ,
• Tray .
1. -
2. CybosPlus
3. CybosPlus - CybosPlus
CybosPlus Agreement

CybosPlus (cptrade.dll)

CybosPlus HTS TR1846
'CybosPlus '.

○ 'CybosPlus '.

CybosPlus

Cybos Plus Cybos Plus.
CybosPlus ("" ) CybosPlus ("" ) . , E-Mail .
CybosPlus CybosPlus .

CybosPlus

Cybos Plus( "" ) Cybos Plus( "" ) . . , . 
. . .

1.
( " ) CYBOS Plus .

2.
3.
""

4.
)
)
)
) 3 .
) " " .
), ,
), , ID, PASSWORD, KEY .

5.""
)
)
)" CybosPlus CybosPlus 1 .

6.
), .

7.
" 

2006. 11
CybosPlus Development

COM Object , ,
C++ , Excel Office , . ,
1. Microsoft Visual Studio ( C++, VB, C# )
2. Microsoft Office ( Word, Excel, Powerpoint, Access )
3. Microsoft Internet Explorer Dynamic HTML

VB )
Microsoft Visual Basic, Microsoft Office ( Alt + F11)
: "/
CybosPlus COM ,
( CpDib, CpUtil, CpSysDib, CpTrade )

VC++ )
import ,
( CpDib, CpUtil, CpSysDib, CpTrade )
#import "c:\daishin\cybosplus\cpdib.dll"
#import "c:\daishin\cybosplus\CpSysDib.dll"
**CybosPlus Communication**

Request/Reply (RQ/RP) Subscribe/Publish (SB/PB)

1. **RQ/RP SB/PB** [ (asynchronous) ]
   - (Request or Subscribe)

   Received

- **RQ/RP**: 1

1. Input 값을 설정한다. obj.setInputValue (종목코드, “A003640”)
2. 통신을 요청한다. obj.Request

   ![Diagram](image)

3. 통신 수신 이벤트가 1회 발생한다. obj.received
4. Data 를 읽는다.
   User용용프로그램 항목 = obj.getHeaderValue (현재키)

- **SB/PB**:

  RQ/RP

  1,2
2. RQ/RP
[ (synchronous) ]
BlockRequest, 30
BlockRequest

3. RQ/RP
Size, , , CYBOS 7024,7026 , ,
CybosPlus CYBOS ""
Continue True.

CybosPlus Continue.
Continue True,
(BlockRequest Request).

(Request)

1. Input 값을 설정한다. obj.SetInputValue(종목코드, "A003540")
2. 통신을 요청한다. obj.BlockRequest

3. Data 를 얻는다.
   User용용프로그램 항목 = obj.GetDatavalue(일자)
   User용용프로그램 항목 = obj.GetDatavalue(종가) ...

4. 연속 Data 유무를 판단한다.
   obj.Continue 가 True 일 경우 2번,3번을 반복한다.

[] O X
ex) StockWeek

(10) "",""
Request/Reply
O
...
...
<table>
<thead>
<tr>
<th>CybosPlus Interface</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RQ/RP</strong></td>
<td><strong>SB/PB</strong></td>
</tr>
<tr>
<td>object.SetInputValue(type, value)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data Input</th>
<th>type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>type :</td>
<td>value :</td>
<td></td>
</tr>
<tr>
<td>object.Request()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ret =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>object.BlockRequest()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ret =</td>
<td></td>
<td></td>
</tr>
<tr>
<td>object.BlockRequest2()</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(short option)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>value = object.GetHeaderValue(type)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>type :</td>
<td></td>
<td></td>
</tr>
<tr>
<td>type :</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data Get</th>
<th>value = object.GetDataValue(type, index)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>type :</td>
<td>index :</td>
<td></td>
</tr>
<tr>
<td>: index</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DIB ()

: -1 -
object. GetDibStatus
0 -
1 -.
(-1), (0) .
(1) Request Received
Request/BlockRequest/BlockRequest2

object. GetDibMsg1  DIB ()

object. GetDibMsg2

• Property

object. Continue  . ()
1 - . 0 - .

object. Header  Header Header .()
: Header .

Data .

object. Data  Data Data .()
: Data .

• Event

object. Received

• BlockRequest/Blockrequest2/Request
  BlockRequest/BlockRequest2  Request


0:
1:
3:

0:
1:
2:
3:
4:

0:
1:
2:
3:
4:

- ( ... ) (RQ) (SB)
- RQ
  15 60
  
  15

  15 20
  
  15 (Request,
  BlockRequest,
  BlockRequest2) 4

- CpCybos LimitRequestRemainTime GetLimitRemainCount

- BlockRequest BlockRequest2

- (a) BlockRequest (Received,)
- (b) BlockRequest

  BlockRequest  BlockRequest2
(b) BlockRequest

- option 0:
  BlockRequest
- option 1: (a)
  BlockRequest2

RQ

SubscribeSubscribeLatest

SubscribeSubscribeLatest

< >

< >

HTS TR7024

HTS TR7021

. Subscribe
CybosPlus Etc

- CYBOS Code

<table>
<thead>
<tr>
<th></th>
<th>CYBOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>A + 6</td>
<td>tr7021, 7024</td>
</tr>
<tr>
<td>(A003540)</td>
<td></td>
</tr>
<tr>
<td>U + 3</td>
<td>tr7036, 7035, 7041,</td>
</tr>
<tr>
<td>(U001)</td>
<td>7042</td>
</tr>
<tr>
<td>Elw</td>
<td>tr7714, 8971 elw</td>
</tr>
<tr>
<td></td>
<td>CYBOS</td>
</tr>
</tbody>
</table>

- CybosPlus DataType

CybosPlus COM( Component Object Model) .
(Automation Data) VARIANT .

<table>
<thead>
<tr>
<th>Type</th>
<th>Variant Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>string</td>
<td>VT_BSTR</td>
</tr>
<tr>
<td>char</td>
<td>VT_I1</td>
</tr>
<tr>
<td>byte</td>
<td>VT_UI1</td>
</tr>
<tr>
<td>short</td>
<td>VT_I2</td>
</tr>
<tr>
<td>int</td>
<td>VT_INT</td>
</tr>
<tr>
<td>long</td>
<td>VT_I4</td>
</tr>
<tr>
<td>longlong</td>
<td>VT_I8</td>
</tr>
<tr>
<td>float</td>
<td>VT_R4</td>
</tr>
<tr>
<td>double</td>
<td>VT_R8</td>
</tr>
</tbody>
</table>
decimal VT_DECIMAL Decimal(16)
ushort VT_UI2 2
uint VT_UINT 4
ulong VT_UI4 4
ulonglong VT_UI8 8

) C# int 4  long 8.
CybosPlus FAQ

Q CybosPlus ?
A CybosPlus U-CYBOS COM(component object model), CybosPlus

COM(component object model)

COM, Dynamic HTML CybosPlus.

Q CybosPlus ?

OverView CybosPlus Agreement.

Q CybosPlus ?
A COM Object, C++

OverView CybosPlus Development.
CybosPlus COM .
CybosPlus .
CybosPlus Q&A .

Q U-CYBOS CybosPlus ?
A CybosPlus U-CYBOS .
U-CYBOS, CybosPlus .

Q [DibEnd : CPED_NOTALLOWSERVER] . ?
A CybosPlus CybosPlus .
U-CYBOS(hts), cp .
CybosPlus CybosPlus .
    OverView CybosPlus Connexion .

Q CybosPlus ?
A (SB/PB) .
    400.
(ex) 400, HTS )

    (..) (RQ/RP)
15 60. (RQ/RP) HTS .
15 15 . 15 BlockRequest/BlockRequest2/Request 4 .
A4,A5 15 60 60
" " ,

    ,

CpSvr9842, CpSvr9842s, CpSvr7037, FutOptRest ,
" " .

HTS CYBOS 6068 .
HTS (1588-4488) .
CybosPlus.

CybosPlus.

(1588-4488).

CybosPlus,

'-2147483638(8000000a)'

U-CYBOS', BlockRequest Subscribe.

OS 32bit, 64bit.

Windows Vista.
Excel, Visual Studio.
Request/Reply

X

SB/PB    StockCur

CYBOS    [7021]
cpdb.dll

Method

object.SetInputValue(type,value)

type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
  type

- type:
  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (short)
  5 - (string) ()
6 - (string) ,,  
7 -  
8 - (long)  
9- (long)  
10 - (long)  
11 - (long)  
12 - (long)  
13 - (long)  
14 - (long)  
15 - (long)  
16 - (long)  
17 - (long)  
18 - (long) []  
19 - (long) []
20 - (long) EPS
21 - (long)
22 - (long)
23 - (long)
24 - (long)
25 - (short) ()
26 - (short)
27 - (long) basis price ()
28 - (float) PER
31 - (decimal) []
32 - (long)
33 - (long) DATA
34 - (short) TIME
35 - (decimal)
36 - (decimal)
37 - (long)
38 - (float)
39 - (decimal)
40 - (float)
42 - (string)
43 - (short)
44 - (char) //

66, 67, 68 .

[ + ]
'0' -
'1' -
'2' -
'3' -
'4' -
'5' - &
'6' - &
'7' - &
'8' - &
'9' - &
'A' - &&
'B' - &&
'C' -
'D' -
'E' -
'F' - &
'G' - &
'H' - &
'I' - &

'J' - &
'K' - &
'L' - &&
'M' - &&
'N' - &&
'Z' - ETF
[]
'0' -
'3' -
'4' - 1
'5' - 2
'6' - 1 &
'7' - 2 &
45 - (char) ()

'1'
'4'
'5'
'6'
'7'

46 - (long)
64 - (float)
65 - (char) CB

'0'
'1'    CB
'2'    CB

66 - (char)

'Y'
'N'

67 -(char)

'1'
'2'
'3'
'4'
'5'

68 -(char)

'Y'
'N'
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
Event
Object: Received
Request/Reply
X

**SB/PB**  StockCur
**CYBOS** [7059 ]
cpdb.dll

**Method**

object.**SetInputValue**(type,value)

**type**  value

- **type:**
  0 - (string)  ex) A003540A000060A000010 (MAX:110)

- **value:**

  value = object.**GetHeaderValue**(type)

  **type**

- **type:**
  0 - (short)  count

- **:**

  value = object.**GetDataValue**(Type,Index)

  **type**

- **type:**
0 - (string)
1 - (string)
2 - (long)
3 - (shot)

1
2
3
4
5
6
7
8
9

4 - (long)
5 - (long)
6 - (long)
7 - (unsigned long)
8 - (char)

'0'
'1' ( )
9 - (long)
10 - (long)
11 - (unsigned long)

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
Event
Object Received
StockMst2

Request/Reply
X
SB/PB  StockCur
CYBOS  [7059 ]
cpdb.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 - (string) (',', MAX: 110) A003540, A000060, A000010

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short) count

- **:**

  value = object.GetDataValue(Type, Index)

type

- **type:**

  0 - (string)
  1 - (string)
  2 - (long) (HHMM)
  3 - (long)
  4 - (long)
  5 - (char)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (unsigned long) [] 1
12 - (long) []
13 - (long)
14 - (long)
15 - (long)
16 - (long)
17 - (unsigned long)
18 - (long) (%)
19 - (long)
20 - (unsigned long)
21 - (long)
22 - (unsigned long)
23 - (char) Flag

'O'
'B'

24 - (char) Flag

'O'
'B'

25 - (char)

'1'
'2'

26 - (long)
27 - (long)
28 - (long)

'1'
29- (unsigned long)

- **index**: data index
- **:** index data

object.**Subscribe()**

object.**Unsubscribe()**

object.**Request()**

object.**BlockRequest()**
  .Blocking Mode
Event
Object Received
StockCur

//ELW
Subscribe/Publish

RQ/RP  StockMst,Elw
CYBOS  [7021 ] [7024 ]
cpdb.dll
Method
object.setInputValue(type,value)
type  value

- type:
  0 - (string)

- value:
  value = object.getHeaderValue(type)
type

- type:
  0 - (string)
  1 - (string)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (long) []
10 - (long) []

, , ,

13 - (long)
14 - (char)

'1'
'2'

15 - (long) ()
16 - (long) ()
17 - (long)
18 - (long) ()
19 - (char)

'1' ()
'2' ()
<table>
<thead>
<tr>
<th>20</th>
<th>(char)</th>
</tr>
</thead>
<tbody>
<tr>
<td>'1'</td>
<td></td>
</tr>
<tr>
<td>'2'</td>
<td></td>
</tr>
<tr>
<td>'3'</td>
<td>[]</td>
</tr>
<tr>
<td>'4'</td>
<td></td>
</tr>
<tr>
<td>'5'</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>21</th>
<th>(long)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>22</th>
<th>(char)</th>
</tr>
</thead>
<tbody>
<tr>
<td>'1'</td>
<td></td>
</tr>
<tr>
<td>'2'</td>
<td></td>
</tr>
<tr>
<td>'3'</td>
<td></td>
</tr>
<tr>
<td>'4'</td>
<td></td>
</tr>
<tr>
<td>'5'</td>
<td></td>
</tr>
<tr>
<td>'6'</td>
<td></td>
</tr>
<tr>
<td>'7'</td>
<td></td>
</tr>
<tr>
<td>'8'</td>
<td></td>
</tr>
<tr>
<td>'9'</td>
<td></td>
</tr>
</tbody>
</table>
23 - (long) LP
24 - (long) LP
25 - (float) LP
26 - (char) ()

'1'
'2'

27 - (long) ()
28 - (long) ()

• :

value = object.GetDataValue (Type, index)

object.Subscribe()
  0
object.Unsubscribe()
  0
object.Request()

object.BlockRequest()
Event
Object. Received
**StockFrnOrd**

Subscribe/Publish

**RQ/RP**  StockMst

**CYBOS**  [7021]

cpdib.dll

**Method**

object.SetInputValue(type,value)

**type**  value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

  **type**

- **type:**
  0 - (string)  1 - (short)
  2 - (long)
  3 - (long)

- **:**

  value = object.GetDataValue (Type,index)

object.Subscribe()  

  0
object.Unsubscribe()
0
object.Request()

object.BlockRequest()
Event
Object Received
StockMember1

5, 5
Request/Reply
X
SB/PB StockMember
CYBOS [7021 ]
cpdb.dll

Method
object.SetInputValue(type,value)

type value

• type:

  0 - (string)

• value:

  value = object.GetHeaderValue(type)

type

• type:

  0 - (string)
  1 - (short) count
  2 - (long)
  3 - (long)

• : 
value = object.GetDataValue(Type, Index)
type

- type:
  0 - (string)
  1 - (string)
  2 - (long)
  3 - (long)

- index: data index

- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event

Object.Received
StockMember

5, 5

Subscribe/Publish

RQ/RP  StockMember1

CYBOS  [7021 ]
cpdb.dll

Method

object.SetInputValue(type,value)

type  value

- type:

0 - (string)

- value:

value = object.GetHeaderValue(type)

type

- type:

0 - (string) 1 - (short) count
2 - (long)
3 - (long)

- :

value = object.GetDataValue(Type,Index)

type

- type:
0 - (string)
1 - (string)
2 - (long)
3 - (long)

- index: data index
- : index data

object.Subscribe()
  0
object.Unsubscribe()
  0
object.Request()

object.BlockRequest()
Event
Object.Received
StrockJpBid2

, 1 ~ 10 ,
Request/Reply
X

SB/PB StockJpBid
CYBOS [7021] 10
cprib.dll

Method
object.SetInputValue(type,value)
type  value

• type:

0 - (string)

• value:

value = object.GetHeaderValue(type)
type

• type:

0 - (string) 1 - (long) COUNT [10 10]
3 - (short)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (long)
value = object.GetDataValue(Type, Index)

type

type:

0 - (long)
1 - (long)
2 - (long)
3 - (long)
4 - (long)
5 - (long)

index: data index

: index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

.Blocking Mode
Event
Object: Received
StockJpBid
/ETF/ELW , 1 ~10 /LP
Subscribe/Publish
RQ/RP  StockJpBid2, ElwJpBid2
CYBOS  [7021 ]10
cpdb.dll
Method
object.SetInputValue(type,value)
type  value

- type:
  0 - (string)

- value:
  value = object.getHeaderValue(type)
type

- type:
  0 - (string)  1 - (long)
  2 - (long)
  3 - (long)  1
  4 - (long)  1
  5 - (long)  1
  6 - (long)  1
  7 - (long)  2
  8 - (long)  2
  9 - (long)  2
 10 - (long)  2
 11 - (long)  3
12 - (long) 3
13 - (long) 3
14 - (long) 3
15 - (long) 4
16 - (long) 4
17 - (long) 4
18 - (long) 4
19 - (long) 5
20 - (long) 5
21 - (long) 5
22 - (long) 5
23 - (long)
24 - (long)
25 - (long)
26 - (long)
27 - (long) 6
28 - (long) 6
29 - (long) 6
30 - (long) 6
31 - (long) 7
32 - (long) 7
33 - (long) 7
34 - (long) 7
35 - (long) 8
36 - (long) 8
37 - (long) 8
38 - (long) 8
39 - (long) 9
40 - (long) 9
41 - (long) 9
42 - (long) 9
43 - (long) 10
44 - (long) 10
45 - (long) 10
46 - (long) 10
47 - (long) 1 LP
48 - (long) 1 LP
49 - (long) 2 LP
50 - (long) 2 LP
value = object.GetDataValue (Type,index)

object.Subscribe()
    0

object.Unsubscribe()
    0

object.Request()

object.BlockRequest()
Event
Object. Received
Request/Reply

<table>
<thead>
<tr>
<th>SB/PB</th>
<th>StockCur</th>
</tr>
</thead>
<tbody>
<tr>
<td>CYBOS</td>
<td>[7024 ]</td>
</tr>
<tr>
<td></td>
<td>cprib.dll</td>
</tr>
</tbody>
</table>

Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 - (string)
  2 - (short) (80)
  3 - (char)

  'C'
  'H'

  4 - (string) (ex "0910")

- **value:**

  value = object.GetHeaderValue(type)

  type
- **type:**
  0 - (string)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (char)

- `:`

  value = object.GetDataValue(Type, Index)

- **type:**
  0 - (long)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (char)

  '1'
  '2'
8 - (float)
9 - (long) ()
10 - (char)

'1' ()
'2' ()

- index: data index
- :  index data

object.\texttt{Subscribe}()

object.\texttt{Unsubscribe}()

object.\texttt{Request}()

object.\texttt{BlockRequest}()
.Blocking Mode
Event
Object.Received

<>

1. default

2.

3. []

   []

   []

   []

   []

   []
Request/Reply
O
SB/PB StockCur ( )
CYBOS [7026 ]
cpdb.dll

Method
object.SetInputValue(type,value)

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
  type

  - type:
    0 - (string)
    1 - (short) count
    2 - (long)

  - :
    value = object.GetDataValue(Type,Index)
type

- type:
  0 - (long)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long) []

    ""

  7 - (long)
  8 - (long)
  9 - (double)
 10 - (double)
 11 - (char)

    '1'
    '2'
    '3'
index: data index

:  index data

object.Subscribe()

object.Unsubscribe()

object.Request()
    ( 10 )

object.BlockRequest()
Blocking Mode
Event
Object. Received
(10)
StockStu

/ , ,,count , .

StockStu StockChart .

Request/Reply

X

SB/PB StockCur

CYBOS [7400 ] /

cpdb.dll

Method

object.SetInputValue(type,value)

type value

- type:

  0 - (string) /
  1 - (char)

  'T'         Tick
  'M'

  2 - (short)
  - Tick mode  120
  - mode       60

  3 - (short) count
     - 1700

  4 - (char)
\begin{itemize}
  \item value:
  \begin{verbatim}
  value = object.GetHeaderValue(type)
  \end{verbatim}
  \item type:
  \begin{verbatim}
  type = Type,Index
  \end{verbatim}
  \item type:
  \begin{verbatim}
  value = object.GetDataValue(Type,Index)
  \end{verbatim}
  \item type:
  \begin{verbatim}
  \end{verbatim}
\end{itemize}
index: data index

:  index data

object.Subscribe()

object.Unsubscribe()

object.Request()

/ ,

object.BlockRequest()

.Blocking Mode
Event
Object. Received
/ ,
CbGraph1

. 

CpGraph1 StockChart.

Request/Reply

X

SB/PB StockCur

CYBOS [7400 ] //

cpdib.dll

)

"

""

", "

2800
Method
object.SetInputValue(type, value)

type    value

- **type:**

  0 - (string) / \[ 'A' 'U' \]
  ( A060000, U001)
  1 - (char)

    'D'
    'W'
    'M'

  3 - (short) ( )
  4 - (char)

    '0'
    '1'

- **value:**

  value = object.GetHeaderValue(type)
  type

  - **type:**

    0 - (string) /
    1 - (char)
3 - (short)
4 - (char)

- :

value = object.GetDataValue (Type,index)

type

- type:

  0 - (long)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long) [ ]

) ,,,, float

- index: data index

- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
Blocking Mode
Event
Object. Received
StockIndexIR

Request/Reply

SB/PB  StockIndexIS
CYBOS  [7035 (1)]
cpdib.dll

Method

object.SetInputValue(type,value)

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)
  type

- **type:**
  0 - (string)
  1 - (long)
  2 - (string)

  - **:**

    value = object.GetDataValue (Type,index)
type

- **type:**
  
  0 - (long) 1 - (float)
  2 - (float)
  3 - (long) . []
  4 - (long) . []

- :

  object.**Subscribe**()

  object.**Unsubscribe**()

  object.**Request**()

  object.**BlockRequest**()
  .Blocking Mode
Event
Object. Received
**StockIndexIChart**

(,,, ) 10
Request/Reply
X

**SB/PB**  StockIndexIS

**CYBOS**  [7036 (10)]
cpdb.dll

**Method**

object.SetInputValue(type, value)

type  value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - , (string)-
  1 - (long) Count
  2 - (string)

- **:**

  value = object.GetDataValue(Type, Index)
type

- **type:**
  
  0 - (short)
  1 - (float)
  2 - (float)
  3 - (long) . []
  4 - (long) . []

- **index:** data index

- **:** index data

  object.**Subscribe()**

  object.**Unsubscribe()**

  object.**Request()**

  object.**BlockRequest()**

  .Blocking Mode
Event
Object. Received
StockIndexIS

(,,,)10
Subscribe/Publish

RQ/RP  StockIndexIR
CYBOS  [7036 (10)]
cpdib.dll

Method
object.SetInputValue(type,value)
type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
type

- type:
  0 - (string) 1 - (long)
  2 - (float)
  3 - (float)
  4 - (long) []
  5 - (long) []
  6 - (string)
  7 - (string)

- :
value = object.GetDataValue((Type,index))

object.Subscribe()
    0
object.Unsubscribe()
    0
object.Request()

object.BlockRequest()
Event
Object Received
StockAdR

(,, )

Request/Reply

X

SB/PB StockAds

CYBOS CYBOS
cpdir.dll

Method

object.SetInputValue(type,value)

value = object.getHeaderValue(type)

type

• type:

0 - (long)
1 - (long)
2 - (long)
3 - (long)
4 - (long)
5 - (float)
6 - (float)
7 - (long)[]
8 - (long)
9 - (long)[]

• :

value = object.GetDataValue (Type,index)

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
Event
Object Received
StockAdS

(,,)
Subscribe/Publish
RQ/RP StockAdR
CYBOS CYBOS
cpdb.dll

object.SetInputValue(type,value)

value = object.GetHeaderValue(type)

type

- **type:**

  0 - (long)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)[[]]
  6 - (long)[[]]

- : 

  value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
Event
Object. Received
StockAdKR

(,, )
Request/Reply
X

SB/PB  StockAdKs

CYBOS  CYBOS

cpdib.dll
Method

object.SetInputValue(type,value)

value = object.GetHeaderValue(type)

- type:
  - 0 - (long)
  - 1 - (long)
  - 2 - (long)
  - 3 - (long)
  - 4 - (long)
  - 5 - (long)
  - 6 - (long)

- :
  value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object. Received
StockAdKS

(,,)

Subscribe/Publish

RQ/RP  StockAdKR

CYBOS  CYBOS

cpdib.dll
**Method**

`object.SetInputValue(type,value)`

`value = object.GetHeaderValue(type)`

**type**

- **type:**

  0 - `(long)`
  1 - `(long)`
  2 - `(long)`
  3 - `(long)`
  4 - `(long)`
  5 - `(long)`
  6 - `(long)`

- **:**

  `value = object.GetDataValue(Type,index)`

`object.Subscribe()`

`object.Unsubscribe()`

`object.Request()`

`object.BlockRequest()`
Event
Object. Received
StockCbChk

CB (circuit breaker).

Subscribe/Publish

RQ/RP  StockMst GetHeaderValue 65

CYBOS  CB

cpdb.dll

Method

object.SetInputValue(type, value)

type  value

• type:

0 - (string)

• value:

value = object.GetHeaderValue(type)

type

• type:

0 - (bool) CB

1 - (long)

• :

value = object.GetDataValue(Type, index)

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
Event
Object: Received
CB
StockOutMst

Request/Reply
X

SB/PB  StockOutCur

CYBOS  [7021]
cpdb.dll
Method
object.SetInputValue(type, value)

type  value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - (string)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (char)

  '1'
  '2'
  '3'
  '4'
  '5'
  '6'
value = object.GetDataValue (Type,index)

object.Subscribe()

object.SubscribeLatest()

object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
Event
Object. Received
StockOutCur

Subscribe/Publish

RQ/RP  StockOutMst

CYBOS  [7021]

cpdb.dll
Method
object.SetInputValue(type, value)
type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
type

- type:
  0 - (string)
  1 - (long)
  2 - (char)
  3 - (long)
  4 - (char)

'1'
'2'
'3'
'4'
'5'
'6'
'7'
'8'
'9'

5 - (long)
6 - (long)
7 - (long)
8 - (string)
9 - (char)

'1'
'2'

10 - (long)
11 - (char) ('3')
12 - (long) []

• :

value = object.GetDataValue (Type,index)

object.Subscribe()
  0
object.SubscribeLatest()
  0
object.Unsubscribe()
  0
object.Request()
object.BlockRequest()
Event
Object Received
FutureMst

Request/Reply
X

SB/PB FutureCurr

CYBOS [9421 ]

cpdb.dll
Method

object.SetInputValue(type,value)

type value

• type:

0 - (string)

• value:

value = object.GetHeaderValue(type)

type

• type:

0 - (string)
1 - (short) seq_number
2 - (string)
3 - (string)
4 - (string)
5 - (string)
6 - (long)
7 - (long)
8 - (short)
9 - (long) ()
10 - (char)

'1'
'2'

11 - (float)

12 - (char)

'1'

'2'

'3'

'4'

'5'

'6'

'7'

'8'

'9'

13 - (float)

14 - (float) ()

15 - (float) ()

16 - (float) CD

17 - (float)

18 - (float)

19 - (char)

'1'
32 - (char) 

'0' 

'1' FAS, FOK, FAK 

'2' FAS 

35 - (float) 

36 - (char) 

'1' (KOSPI 200) 

'2' 

'3' 

'4' (SQ) 

'5' 

'6' 

37 - (float) 1 

38 - (float) 2 

39 - (float) 3 

40 - (float) 4 

41 - (float) 5 

42 - (long) 1 

43 - (long) 2 

44 - (long) 3
45 - (long) 4
46 - (long) 5
47 - (long)
48 - (short) 1
49 - (short) 2
50 - (short) 3
51 - (short) 4
52 - (short) 5
53 - (long)
54 - (float) 1
55 - (float) 2
56 - (float) 3
57 - (float) 4
58 - (float) 5
59 - (long) 1
60 - (long) 2
61 - (long) 3
62 - (long) 4
63 - (long) 5
64 - (long)
65 - (short) 1
66 - (short) 2
67 - (short) 3
68 - (short) 4
69 - (short) 5
70 - (long)
71 - (float)
72 - (float)
73 - (float)
74 - (float)
75 - (long)
76 - (long) ()
77 - (long)
78 - (long)
79 - (float)
80 - (long)
81 -
82 - (long)
83 - (long)
84 -
86 - (char)

' ' (space)
'1'
'2'
'3'
'4'
'5'
'6'
'7'

87 - (string)

M0
M1
M2

88 - (float)
89 - (float) KOSPI 200
90 - (float) basis
91 - (float) kospi 200

100 - (char)
'0' FAS, FOK, FAK,
'1'
'2' FAS
101 - (char)

'0' FAS, FOK, FAK,
'1'
'2' FAS
102 - (long) C.B
103 - (long) C.B
104 - (long)
105 -
106 -
107 - (long)
108 - (long)
109 - (long)
110 - (string)
111 - (string)
112 - (string)
113 - (float) (0)
114 - (float)
115 - (ushort)
value = object.GetDataValue (Type, index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
    .Blocking Mode
Event
Object: Received
FutureWide

(,,,CB ,CB )
Request/Reply
X

SB/PB  X

CYBOS  [9421 ]  ,,,,CB ,CB
cpdiib.dll
Method

object.SetInputValue(type,value)

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

- **type:**
  0 - (string)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float) C.B
  5 - (float) C.B

- : value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
.Blocking Mode
Event
Object: Received
*FutureCurr*


Subscribe/Publish

**RQ/RP** FutureMst

**CYBOS** [9421 ]

cpdb.dll
Method
object.SetInputValue(type,value)

type  value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - (string)  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)  kospi 200
  5 - (float)  basis
  6 - (float)
  7 - (float)
  8 - (float)
  9 - (float)
  10 - (float)
  11 - (float)
  12 - (long)
  13 - (long)
  14 - (long)
  15 - (long)
  16 - (float)  1
  17 - (float)  2
  18 - (float)  3
  20 - (float)  5
  21 - (long)  1
  22 - (long)  2
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>(long) 3</td>
</tr>
<tr>
<td>24</td>
<td>(long) 4</td>
</tr>
<tr>
<td>25</td>
<td>(long) 5</td>
</tr>
<tr>
<td>26</td>
<td>(long)</td>
</tr>
<tr>
<td>27</td>
<td>(short) 1</td>
</tr>
<tr>
<td>28</td>
<td>(short) 2</td>
</tr>
<tr>
<td>29</td>
<td>(short) 3</td>
</tr>
<tr>
<td>30</td>
<td>(short) 4</td>
</tr>
<tr>
<td>31</td>
<td>(short) 5</td>
</tr>
<tr>
<td>32</td>
<td>(long)</td>
</tr>
<tr>
<td>33</td>
<td>(float) 1</td>
</tr>
<tr>
<td>34</td>
<td>(float) 2</td>
</tr>
<tr>
<td>35</td>
<td>(float) 3</td>
</tr>
<tr>
<td>36</td>
<td>(float) 4</td>
</tr>
<tr>
<td>37</td>
<td>(float) 5</td>
</tr>
<tr>
<td>38</td>
<td>(long) 1</td>
</tr>
<tr>
<td>39</td>
<td>(long) 2</td>
</tr>
<tr>
<td>40</td>
<td>(long) 3</td>
</tr>
<tr>
<td>41</td>
<td>(long) 4</td>
</tr>
<tr>
<td>42</td>
<td>(long) 5</td>
</tr>
<tr>
<td>43</td>
<td>(long)</td>
</tr>
<tr>
<td>44</td>
<td>(short) 1</td>
</tr>
<tr>
<td>45</td>
<td>(short) 2</td>
</tr>
<tr>
<td>46</td>
<td>(short) 3</td>
</tr>
<tr>
<td>47</td>
<td>(short) 4</td>
</tr>
<tr>
<td>48</td>
<td>(short) 5</td>
</tr>
<tr>
<td>49</td>
<td>(long)</td>
</tr>
<tr>
<td>50</td>
<td>(long) ()</td>
</tr>
<tr>
<td>51</td>
<td>(float)</td>
</tr>
<tr>
<td>52</td>
<td>(float)</td>
</tr>
<tr>
<td>53</td>
<td>(long) ()</td>
</tr>
</tbody>
</table>

- value = object.GetDataValue (Type, index)
object.Subscribe()
0
object.Unsubscribe()
0
object.Request()

object.BlockRequest()
Event
Object. Received
Future Cur Only

Subscribe/Publish

RQ/RP FutureMst

CYBOS [7059]

cpdb.dll
Method
object.SetInputValue(type,value)

- **type:**
  0 - (string)

- **value:**

value = object.GetHeaderValue(type)

- **type:**
  0 - (string)
  1 - (double)
  2 - (double)
  3 - (double)
  4 - (double) kospi 200
  5 - (double) basis
  6 - (double)
  7 - (double)
  8 - (double)
  9 - (double)
  10 - (double)
  11 - (double)
  12 - (long)
  13 - (long)
  14 - (long)
  15 - (long)
  16 - (double)
  17 - (double)
  18 - (double)
  19 - (double)
  20 - (ulong)
  21 - (ulong)
22 - (ulong)
23 - (ulong)
24 - (char)

'1'
'2'

25- (ulong)
26- (ulong) ()
27- (long) (31 .)
28- (short)

  10
  11
  20
  21
  30
  40

  : 

29- (ulong) ()
30-(char)

'1'
value = object.GetDataValue (Type,index)

object.Subscribe()
    0
object.Unsubscribe()
    0
object.Request()

object.BlockRequest()
Event
Object Received
FutureMo1

Subscribe/Publish

RQ/RP   FutureMst GetHeaderValue 80
CYBOS   [9421 ]
cpdb.dll
Method

object.SetInputValue(type,value)

- `type`:  
  0 - (string)

- `value`:
  
  value = object.GetHeaderValue(type)

- `type`:
  
  0 - (string)
  
  1 - (long)

- `:`

  value = object.GetDataValue (Type,index)

object.Subscribe()
  
  0

object.Unsubscribe()
  
  0

object.Request()

object.BlockRequest()
Event
Object: Received
FutureK200

Subscribe/Publish

RQ/RP FutureMst GetHeaderValue 88

CYBOS [9421]

cpdib.dll
Method
object.SetInputValue(type,value)

- type:
  0 - (string)

- value:
  value = object.getHeaderValue(type)

- type:
  0 - (string)
  <>spread
  1 - (float)kospi200
  2 - (float)Basis
  3 - (float)
  4 - (float)CD
  5 - (long)
  6 - (short)

- :
  value = object.GetDataValue (Type,index)

object.Subscribe()
object.Unsubscribe()
0
object.Request()

object.BlockRequest()
Event
Object Received
FutureBid1

Request/Reply
O
SB/PB FutureCurr
CYBOS [9424 ]
cpdib.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 - (string)
  2 - (short) (75)
  3 - (string) (ex "0910")

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string)
  2 - (long)

  -:

  value = object.GetDataValue(Type, Index)

type

- **type:**

  0 - (short)
  1 - (float)
  2 - (float)
  3 - (float)
4 - (float)
5 - (float) basis
6 - (long)
7 - (float)
8 - (long)
9 - (long)
10 - (char) ('R', 'B')
11 - (long) ()

- :

object.Subscribe()

object.Unsubscribe()

object.Request()

0

object.BlockRequest()

.Blocking Mode
Property
Object. Continue
(TRUE: , FALSE: )

**Event**

Object. **Received**
FutureWeek1

6 "",",
Request/Reply
X
SB/PB FutureCurr
CYBOS [9426 6]
cpdb.dll
**Method**

```
object.SetInputValue(type, value)
```

type  value

- **type:**

  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short) Count

- **:**

  value = object.GetDataValue(Type, Index)

type

- **type:**

  0 - (long)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (float)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (float)
  10 - (float) basis
- index: data index
- object.Subscribe()
- object.Unsubscribe()
- object.Request()
- object.BlockRequest().Blocking Mode
Event
Object. Received
FutOptRest

(U-CYBOS 9428, 9729.)

Request/Reply

O

SB/PB  FutureCurr, FutureCurOnly, OptionCur

CYBOS  [9428,9729 ]
cpdb.dll

Method

object.SetInputValue(type,value)
type  value

- type:

  0 - (string)
  1 - (long) (:;:0)
  2 - (char) ('1' ~ '5', 'T')

- value:

  value = object.GetHeaderValue(type)
type

- type:

  0 - (long) Count
  1 - (long)
2 - (long)

- : value = object.GetDataType(Type,Index)

type

- type:

  0 - (long)
  1 - (double)
  2 - (double)
  3 - (long)
  4 - (double)1
  5 - (double)1
  6 - (unsigned long)1
  7 - (unsigned long)1
  8 - (unsigned int)1
  9 - (unsigned int)1
  10 - (double)2
  11 - (double)2
  12 - (unsigned long)2
  13 - (unsigned long)2
  14 - (unsigned int)2
  15 - (unsigned int)2
  16 - (double)3
17 - (double)3
18 - (unsigned long)3
19 - (unsigned long)3
20 - (unsigned int)3
21 - (unsigned int)3
22 - (double)4
23 - (double)4
24 - (unsigned long)4
25 - (unsigned long)4
26 - (unsigned int)4
27 - (unsigned int)4
28 - (double)5
29 - (double)5
30 - (unsigned long)5
31 - (unsigned long)5
32 - (unsigned int)5
33 - (unsigned int)5
34 - (unsigned long)
35 - (unsigned long)
36 - (unsigned long)
37 - (unsigned long)
38 - (long)
39 - (long)
40 - (long)
41 - (long)
42 - (unsigned long)
43 - (unsigned long)
44 - (unsigned long)
45 - (unsigned long)

- **index**: data index

object.**Subscribe()**

object.**Unsubscribe()**

object.**Request()**

object.**BlockRequest()**

.Blocking Mode
Event
Object. Received
FutureFtu

FutureFtu FutOptChart.
Request/Reply
X

SB/PB FutureCurr
CYBOS [9400],
cpdbib.dll

Method
object.SetInputValue(type,value)
type value

- type:

  0 - (string)
  1 - (char)

  'T' Tick
  'M'

  2 - (short)
  - Tick mode 120
  - mode 60

  3 - (short) count
  - 1700

  4 - (char)
'0'
'1'

5 - (char)

'0'
'1'

• value:

value = object.GetHeaderValue(type)
type

• type:

0 - (string)
1 - (char)
2 - (short)
3 - (short) count
<> 1 1700,
count count

• :

value = object.GetDataValue(Type,Index)
type
• type:

0 - (long)
1 - (short)
2 - (float)
3 - (float)
4 - (float)
5 - (float)
6 - (long)
7 - (long)

• :

object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

,  
object.**BlockRequest**()

.Blocking Mode
Event
Object. Received
FutureGr1

FutureGr1 FutOptChart.
Request/Reply
X
SB/PB FutureCurr
CYBOS [9400]
cpdb.dll
Method
object.SetInputValue(type,value)
type  value

- type:
  0 - (string)  1 - (char)

   '0'
   '1'

- value:
  value = object.GetHeaderValue(type)
type

- type:
  0 - (string)
  1 - (long)
  2 - (short)

  :
  value = object.GetDataValue(Type,Index)
type

- type:
  0 - (long)
  1 - (float)
2 - (float)
3 - (float)
4 - (float)
5 - (float)
6 - (long)
7 - (float)
8 - (long)
9 - (float)
10 - (float)
11 - (float) basis

- 

object.\texttt{Subscribe()}

object.\texttt{Unsubscribe()}

object.\texttt{Request()}

object.\texttt{BlockRequest()}

.Blocking Mode
Event
Object Received
kospi 200 2
Request/Reply
O
SB/PB  Future
CYBOS [7036 ] Kospi200
cpdb.dll
Method

object.SetInputValue(type, value)

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

- **type:**
  0 - (string) 1 - (short)

: 

  value = object.GetDataValue (Type,index)

  0 - (long)

  1 - (float)

  2 - (float)

  3 - (long) ()

  4 - (long) ()

: 

  object.Subscribe()
object.Unsubscribe()

object.Request()

0

object.BlockRequest()

.Blocking Mode
Event
Object: Received
FutureIndexI
kospi 200  2
Subscribe/Publish
RQ/RP  FutureIndexh
CYBOS  [7036  ] Kospi200
cpdib.dll
Method

object.SetInputValue(type, value)

type value

- **type:**

  0 - (string) kospi 200 ("00800")

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string) kospi 200
  1 - (long)
  2 - (float)
  3 - (char)

'1'
'2'
'3'
'4'
'5'
'6'
'7'
'8'
'9'

4 - (float)
5 - (long) ()
6 - (long) ()
7 - (string)

value = object.GetDataValue (Type,index)

object.Subscribe()
  0 kospi 200
object.Unsubscribe()
  0 kospi 200
object.Request()

object.BlockRequest()
Event
Object. Received
kospi 200
FutureOptionStat

,  
Request/Reply  
X

SB/PB  FutureOptionStatPB

CYBOS

cpdb.dll

Method
object.SetInputValue(type,value)

value = object.GetHeaderValue(type)
type

• type:

0 - (string)

"709"
"710"
"711"  CB
"712"  CB
"713"  Cb

1 - (string)
2 - (string)
3 - (string)
4 - (string)
5 - (string)

• :

value = object.GetDataValue(Type, Index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
 .Blocking Mode
Event
Object Received
**FutureOptionStatPb**

, Subscribe/Publish

**RQ/RP** FutureOptionStat

**CYBOS**

cpdib.dll

**Method**

object.SetInputValue(type,value)

value = object.GetHeaderValue(type)

type

- **type:**

  0 - (ushort) (HHMMSS)

  1 - (string)

  "709"
  "710"
  "711" CB
  "712" CB
  "713" Cb
  "717"
  "718"
  "719" CB
"720" CB
"721" CB

2 - (string) ( "", ",", ",", )

3 - (short)

4 - (string)

value = object.GetDataValue (Type, index)

object.Subscribe()

0

object.SubscribeLatest()

0

object.Unsubscribe()

0

object.Request()

object.BlockRequest()
Event
Object. Received
<table>
<thead>
<tr>
<th>OptionMst</th>
<th>Request/Reply</th>
<th>X</th>
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<td>CYBOS [9721 ]</td>
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<td>cpdib.dll</td>
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</table>
Method
object.SetInputValue(type,value)

type    value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - (string)
  1 - (long)
  2 - (short) seq_number
  3 - 
  4 - (string)
  5 - (long) (YYYYMM)
  6 - (float)
  7 - 
  8 - (string)
  9 - (string)
  10 - (string)
  11 - (char)
'1'
'2'

12 - (short) (365)
13 - (short) (365)
14 - (char)

'1'
,  
'2'  2
'3'  3
'4'  4
'5'  5
'6'  6
'7'  7

15 - (char) ATM

'0'

'1'    ATM
'2'    ITM
'3'    OTM

16 - (long)

17 - (long) (YYYYMMDD)
18 - (long) (YYYYMMDD)
19 - (char)

'1'
'2'

20 - 
21 - 
22 - (float)
23 - 
24 - (float)
25 - (float)
26 - (float)
27 - (float)
28 - (char)

'1'
'2'
'( )'
'3'

29 - (float)
30 - (char)
(SPACE):

'1' ()

'2' ( )

'3' ( )

'4' ( )

'5' ( )

31 - (float) ()
32 - (float) ()
33 -
34 -
35 -
36 - (float) CD( )
37 - (long)
38 - (long)
39 - (long)
40 - (long) (YYYYMMDD)
41 - (float)
42 - (long) (YYYYMMDD)
43 - (float)
44 - (long) (YYYYMMDD)
45 - (float)
46 - (long) (YYYYMMDD)
47 - (float)
48 - (char)

'0'
'1' FAS,FOK,FAK
'2' FAS

49 -
50 -
51 - (float)
52 - (char)

'1'
'2' ()
'3' ()
'4' ()
'5' 
'6' ()
'7' ()

53 - (float) ()
78 - (long)
79 - (long)
80 - (short) 1
81 - (short) 2
82 - (short) 3
83 - (short) 4
84 - (short) 5
85 - (long)
86 - (short) 1
87 - (short) 2
88 - (short) 3
89 - (short) 4
90 - (short) 5
91 - (long)
92 - (long)
93 - (float)
94 - (float)
95 - (float)
96 - (float)
97 - (long)
98 - (long) ()
99 - (long)
100 - (char)
'0'
'1'
'2'

101 - (float)
102 - (char)

'1' (KOSPI 200)
'2'
'3'
'4' (SQ)
'5' 
'6'

103 - 
104 - 
105 - 

106 - (float) KOSPI 200
107 - (float) KOSPI 200
108 - (float) Greek data I,V
109 - (float) Greek data DELTA
110 - (float) Greek data GAMMA
value = object.GetDataValue (Type, index)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object. Received
**OptionCur**
  . OptionJpBid OptionCurOnly ..

Subscribe/Publish

**RQ/RP** OptionMst

**CYBOS** [9721 ]

cpdb.dll
Method

object.SetInputValue(type, value)

type value

- type:
  0 - (string)

- value:

  value = object.GetHeaderValue(type)

type

- type:
  0 - (string) 1 - (string)
  2 - (float) 1
  3 - (float) 2
  4 - (float) 3
  5 - (float) 4
  6 - (float) 5
  7 - (long) 1
  8 - (long) 2
  9 - (long) 3
  10 - (long) 4
  11 - (long) 5
  12 - (long)
  13 - (float) 1
  14 - (float) 2
  15 - (float) 3
  16 - (float) 4
  17 - (float) 5
  18 - (long) 1
  19 - (long) 2
  20 - (long) 3
  21 - (long) 4
value = object.GetDataValue (Type,index)

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
Event
Object Received
OptionMo

Subscribe/Publish

RQ/RP   OptionMst GetHeaderValue 99

CYBOS   [9721 ]
cpdb.dll
Method
object.SetInputValue(type, value)

type  value

- type:
  0 - (string)

- value:

value = object.GetHeaderValue(type)

type

- type:
  0 - (string) 1 - (long)

- :

value = object.GetDataValue(Type, index)

object.Subscribe()
  0

object.Unsubscribe()
  0

object.Request()

object.BlockRequest()
Event
Object Received
OptionBid

Request/Reply
O
SB/PB OptionCur
CYBOS [9724]
cpdb.dll
Method
object.SetInputValue(type,value)

type  value

- **type:**

  0 - (string)  1 - (short) ( 80)

  2 - (string) (ex "0910")

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string)
  1 - (short)

- **:**

  value = object.GetDataValue(Type,Index)

type

- **type:**

  0 - (string)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)( - )
  5 - (long)
  6 - (long)
  7 - (float)
8 - (float) Greek data I.V  
9 - (float) Greek data DELTA  
10 - (float) Greek data GAMMA  
11 - (float) Greek data theta  
12 - (float) Greek data Vega  
13 - (float) Greek data RHO  
14 - (long)  
15 - (long)  
16 - (char)

'R'
'B'

object.Subscribe()  

object.Unsubscribe()  

object.Request()  
0  

object.BlockRequest()  
.Blocking Mode
Property
Object. Continue
Event
Object Received
OptionWeek

6

Request/Reply

X

SB/PB  OptionCur()

CYBOS [9726 6]

cpdb.dll
Method
object.SetInputValue(type,value)

- **type:**
  0 - (string)

- **value:**
  value = object.GetHeaderValue(type)

- **type:**
  0 - (short) Count

- **:**
  value = object.GetDataValue(Type,Index)

- **type:**
  0 - (long)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (float)
  6 - (long)
  7 - (long)
  8 - (float)
  9 - (float)
  10 - (float) Greek data I.V
  11 - (float) Greek data DELTA
12 - (float) Greek data GAMMA
13 - (float) Greek data theta
14 - (float) Greek data Vega
15 - (float) Greek data RHO
16 - (long) ()

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object. Received
OptionFtu

, Request/Reply X

SB/PB OptionCur

CYBOS [9400 ] cpdib.dll
Method

object.SetInputValue(type, value)

type  value

• type:

  0 - (string)
  1 - (char)

  'T'    Tick
  'M'

  2 - (short)
  - Tick mode  120
  - mode  60
  3 - (short) count
  -  750

• value:

  value = object.GetHeaderValue(type)

type

• type:

  0 - (string)
  1 - (char)
  2 - (short)
  3 - (short) count
1 750,count

count:

- : value = object.GetDataValue (Type,index)

- type:
  0 - (long)
  1 - (short)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (float)
  6 - (long)
  7 - (long)

- :
  object.Subscribe()

object.Unsubscribe()

object.Request()

, object.BlockRequest()
.Blocking Mode
Event
Object. Received,
OptionGr1

Request/Reply
X

SB/PB  OptionCur

CYBOS  [9400 ]
cpdb.dll
Method

object.SetInputValue(type, value)

type  value

• type:

0 - (string)

• value:

value = object.GetHeaderValue(type)

type

• type:

0 - (string)  1 - (long)
2 - (short)

• :

value = object.GetDataValue(Type, index)

type

• type:

0 - (long)
1 - (float)
2 - (float)
3 - (float)
4 - (float)
5 - (float)
6 - (long)
7 - (float)
8 - (long)
9 - (float)
10 - (float)

• :

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object.Received
OptionGen

Request/Reply
X
SB/PB OptionGreeks
CYBOS [9723 Greek]
cpdb.dll
**Method**

`object.SetInputValue(type, value)`

`value = object.GetHeaderValue(type)`

`type`

- **type:**
  
  0 - (string)
  1 - (long) Count
  2 - (float) KOSPI200
  3 - (float) KOSPI200
  4 - (float)
  5 - (float)

- **:**

  `value = object.GetDataValue (Type, index)`

  `type`

  - **type:**
    
    0 - (string)
    1 - (float)
    2 - (float)
    3 - (float)
    4 - (float)
    5 - (long)
    6 - (long)
    7 - (long)
    8 - (long)
    9 - (float) iv
    10 - (float) delta
    11 - (float) gamma
    12 - (float) theta
    13 - (float) vega
    14 - (float) rho
- index: data index

- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object. Received
OptionGreek
Greek factor
Subscribe/Publish
RQ/RP OptionGen
CYBOS [9723 Greek]
cpdib.dll
Method
object.SetInputValue(type, value)

- **type:**
  
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

- **type:**
  
  0 - (string) 1 - (float) Greek data I.V
  2 - (float) Greek data DELTA
  3 - (float) Greek data GAMMA
  4 - (float) Greek data Theta
  5 - (float) Greek data Vega
  6 - (float) Greek data RHO
  7 - (float) Greek data T.V
  8 - (float) kospi 200
  9 - (float) kospi 200
  10 - (float)

- :

  value = object.GetDataValue (Type, index)

object.Subscribe()
0

object.Unsubscribe()
0
object.**Request()**

object.**BlockRequest()**
Event
Object: Received
OptionCallPut

(call, put)
Request/Reply
X
SB/PB  OptionCur
CYBOS  [9731  ]
cpdb.dll
**Method**

object.SetInputValue(type,value)

type  value

- **type:**

  0 - (string)("YYMM")

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short) Count
  1 - (float)
  2 - (float)
  3 - (float) KOSPI200
  7 - (long) KOSPI200
  8 - (float) KOSPI200

- **:**

  value = object.GetDataValue (Type,index)

type

- **type:**

  0 - (string)
  1 - (string)
  2 - (string)
  3 - (float)
  4 - (float)
  5 - (long)
index: data index

:  index data

object.Subscribe()

object.Unsubscribe()

object.Request()

0

object.BlockRequest()

.Blocking Mode
Event
Object Received
OptionAtm

ATM

Request/Reply

X

SB/PB

X

CYBOS

cpdb.dll
Method
object.SetInputValue(type,value)

value = object.GetHeaderValue(type)

- type:

  0 - (long) Count

  value = object.GetDataValue(Type,index)

- type:

  0 - (string) ATM

  - index: data index

  - : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode
Event

Object. Received
OptionInfo

Request/Reply
X

SB/PB

CYBOS
cpdbib.dll
Method

object.SetInputValue(type, value)

value = object.GetHeaderValue(type)

type

- **type:**

0 - (string) 1 - (long) Count(record)

- :

value = object.GetDataValue(Type, index)

type

- **type:**

0 - (string) 1 - (string) 2 - (float) 3 - (long) 4 - (float) 5 - (float) 6 - (float)

- **index:** data index

- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()

.Blocking Mode
Event
Object. Received
Method

object.SetInputValue(type, value)

value = object.GetHeaderValue(type)

type

• type:

1 - (long) Count (record)

• :

value = object.GetDataValue(Type, index)

type

• type:

0 - (long) 1 - (float)
2 - (long)
3 - (float)

• index: data index

• : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode
Event
Object: Received
SOptionMst

Request/Reply
X
SB/PB  SOptionCur
CYBOS  [9321 ]
cpdir.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**
  0 - (string)

- **value:**
  value = object.GetHeaderValue(type)
type

- **type:**
  0 - (string)  1 - (long)
  2 - (short)  seq_number
  3 -
  4 - (short)
  5 - (long) (YYYYMM)
  6 - (long)
  7 - (string)
  8 - (string)
  9 - (string)
  10 - (char)

  '1'
  '2'

  11 - (short) (365)
  12 - (short) (365)
  13 - (char)
'1',
'2' 2
'3' 3
'4' 4
'5' 5
'6' 6
'7' 7

14 - (char) ATM

'0'
'1' ATM
'2' ITM
'3' OTM

15 - (long)
16 - (long) (YYYYMMDD)
17 - (long) (YYYYMMDD)
18 - (char)

'1'
'2'

19 -
20 -
21 - (float)
22 - (long)
23 - (long)
24 - (long)
25 - (long)
26 - (char) ('2' - )
27 - (long)
28 - (char)
29 - (long) ()
30 - (long) ()
31 - (float) CD( )
32 - (long)
33 - (long)
34 - (long)
35 - (long) (YYYYMMDD)
36 - (long)
37 - (long) (YYYYMMDD)
38 - (long)
39 - (long) (YYYYMMDD)
40 - (long)
41 - (long) (YYYYMMDD)
42 - (long)
43 - (char)
44 - (char)
45 - (char)
46 - (long)
47 - (char)

'1'
'2' ()
'3' ()
'4' ()
'5'
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<thead>
<tr>
<th>Value</th>
<th>Type</th>
<th>Count</th>
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<tbody>
<tr>
<td>'6'</td>
<td>(</td>
<td></td>
</tr>
<tr>
<td>'7'</td>
<td>(</td>
<td></td>
</tr>
<tr>
<td>48</td>
<td>(char)</td>
<td></td>
</tr>
<tr>
<td>49</td>
<td>(char)</td>
<td></td>
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<tr>
<td>50</td>
<td></td>
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<tr>
<td>51</td>
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</tr>
<tr>
<td>52</td>
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<td>1</td>
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<td>53</td>
<td>(long)</td>
<td>1</td>
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<td>54</td>
<td>(long)</td>
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<td>2</td>
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<td>58</td>
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<td>77</td>
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<td>79</td>
<td>(long)</td>
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<tr>
<td>80</td>
<td>(short)</td>
<td>1</td>
</tr>
</tbody>
</table>
81 - (short) 2
82 - (short) 3
83 - (short) 4
84 - (short) 5
85 - (long)
86 - (long)
87 - (long)
88 - (long)
89 - (long)
90 - (long)
91 - (long)
92 - (long) ()
93 - (long)
94 - (char)

'0'

'1'

'2'

95 - (string)
96 - (char)

'1' (KOSPI 200 )

'2'

'3'

'4' (SQ)

'5'

'6'
97 -
98 -
99 -
100 - (float) Greek data I,V
101 - (float) Greek data DELTA
102 - (float) Greek data GAMMA
103 - (float) Greek data Theta
104 - (float) Greek data Vega
105 - (float) Greek data RHO
106 - (long) Greek data T,V
107 - (float)
108 - (string)
109 - (long)
110 - (long)
111 -
112 - (long)
113 - (long)
114 - (long)
115 - (long)
116 - (long) (0)
117 - (ushort)

0
10
11
20
21
30
40
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
 .Blocking Mode
Event
Object. Received
S\texttt{optionCur}

Subscribe/Publish

\textbf{RQ/RP} \quad \texttt{SOptionMst}

\textbf{CYBOS} \quad [9321 ]

cpdib.dll
Method

object.SetInputValue(type,value)

type value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)

type

- type:
  0 - (string) 1 - (long)
  2 - (long) 1
  3 - (long) 2
  4 - (long) 3
  5 - (long) 4
  6 - (long) 5
  7 - (long) 1
  8 - (long) 2
  9 - (long) 3
  10 - (long) 4
  11 - (long) 5
  12 - (long)
  13 - (long) 1
  14 - (long) 2
  15 - (long) 3
  16 - (long) 4
  17 - (long) 5
  18 - (long) 1
  19 - (long) 2
  20 - (long) 3
  21 - (long) 4
value = object.GetDataValue (Type,index)

object.Subscribe()
0
object.Unsubscribe()
object.Request()

object.BlockRequest()
Event
Object. Received
SOptionBid

Request/Reply
O
SB/PB  SOptionCur
CYBOS  [9324 ]
cpdb.dll
Method
object.SetInputValue(type,value)

type  value

- type:

  0 - (string)  1 - (short) (80)

- value:

  value = object.GetHeaderValue(type)

type

- type:

  0 - (string)
  1 - (short)

: 

  value = object.GetDataValue(Type,Index)

type

- type:

  0 - (string)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)(-)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (float) Greek data I.V
  9 - (float) Greek data DELTA
  10 - (float) Greek data GAMMA
11 - (float) Greek data theta
12 - (float) Greek data Vega
13 - (float) Greek data RHO
14 - (long)
15 - (long)
16 - (char)

'R'
'B'

object.Subscribe()

object.Unsubscribe()

object.Request()
  0
object.BlockRequest()
  .Blocking Mode
Property
Object. Continue
(TRUE:, FALSE: )

Event
Object. Received
SOptionWeek

6 (,,,, )
Request/Reply
X

SB/PB  SOptionCur ( )

CYBOS  [9326 6]
cpdb.dll
Method
object.SetInputValue(type,value)
type value

- **type:**
  0 - (string)

- **value:**
  value = object.GetHeaderValue(type)
type

- **type:**
  0 - (string)
  1 - (short) Count

- **:**
  value = object.GetDataValue(Type,Index)
type

- **type:**
  0 - (string)1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (float)
10 - (float) Greek data I.V
11 - (float) Greek data DELTA
12 - (float) Greek data GAMMA
13 - (float) Greek data theta
14 - (float) Greek data Vega
15 - (float) Greek data RHO
16 - (long) ()

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()
   6

object.BlockRequest()
.Blocking Mode
Event
Object Received
6
SOptionCallPut

Request/Reply
X
SB/PB    SOptionCur
CYBOS    [9358  ]
cpdb.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 - (string) "YYMM"
  1 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short) Count
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (string)

- :

  value = object.GetDataValue (Type, index)

type

- **type:**

  0 - (string)
  1 - (long)
  2 - (long)
- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode
Event
Object. Received
CpConclusion

Subscribe/Unsubscribe

CYBOS [CYBOS ] [5341 /]

() cpdib.dll
**Method**

`object.SetInputValue(type, value)`

`value = object.GetHeaderValue(type)`

type

- **type:**
  1 - (string)
  2 - (string)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (string)
  8 - (string)
  9 - (string)
  12 - (string)

1

2

14 – (string)
1
2
3
4
15 – (string)

00
01
02
03
04
05
06
07
08
09
10  MMF
11
12
13
15
98
99

16 – (string)

1
2
3

17 – (string)

1
2
value = object.GetDataValue (Type,index)

object.Subscribe()
data
object.Unsubscribe()
data
object.Request()

object.BlockRequest()
Event
Object. Received
(, , , )
<>
___U-CYBOS_________
CpFConclusion

( / )

Subscribe/Unsubscribe

CYBOS [ CYBOS ] [ 6823 ]

() cpdib.dll
Method
object.SetInputValue(type,value)

value = object.GetHeaderValue(type)
type

- 0 - (string)
- 1 - (string)
- 2 - (string)
- 3 - (long)
- 4 - (double)(float) ( )
- 5 - (long)
- 6 - (long)
- 7 - (string)
- 8 - (string) ·
- 9 - (string)
  - 10 - (string) ('1:\')
  - 11 - (string) ('00:\')
- 12 - (string) ·
2
13 - [ ,
 .
-> **Type 46/**... **]**

(long)
14 - [ ,
 .
-> **Type 47/**... **]**

(long)
15 - [ ,
 .
-> **Type 44/**... **]**

(string) ("1":"2":"3":"4")
16 - (long)
18 - [ ,
 .
-> **Type 46/**... **]**

(long)
19 - [ ,
 .
-> **Type 47/**... **]**

(long)
20 - (string)

1
2
3
4
)
0
21 - (string) (type 20 )
22 - (double)
23 - (string)
24 - (longlong)(decimal)
25 - (longlong)-(decimal)
26 - (longlong)-(decimal)
27 - (longlong)-(decimal)
28 - (longlong)-(decimal)
29 - (double)
30 - (double)
31 - [ ,
.
-> Type 49]
(decimal)
32 - [ ,

  .
-> Type 47... ]

(Decimal)
33 - [ ,

  .
  -> Type 49... ]

(Decimal)
34 - [ ,

  .
  -> Type 47... ]

(Longlong)
35 - (string)
36 - (Longlong)(decimal)
37 - (Longlong)(decimal)
38 - (Longlong)(decimal)
39 - (Longlong)(decimal)
40 - (Longlong)(decimal)
41 - (Double)
42 - (Double)
  43 - (string)
0 [default]
1 IOC
2 FOK

44 - (string)

45 - (string)

46 - (long) /
47 - (long) /
48 - (string)
value = object.GetDataValue(Type,index)

object.Subscribe()
data

object.Unsubscribe()
data

object.Request()

object.BlockRequest()
Event
Object. Received
(, , )
<>
_____U-CYBOS_________
ExpectIndexR
10 /
Request/Reply
X
SB/PB  ExpectIndexIS
CYBOS  [7937 ]
cpdb.dll

Method
object.SetInputValue(type,value)
type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
type

- type:
  0 - (long) Count

- :
  value = object.GetDataValue(Type,Index)
type

- type:
0 - (long)
1 - (double)
2 - (double)
3 - (long) . []
4 - (long) . []

- index: data index

- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
Event
Object: Received
Method

object.SetInputValue(type, value)

type value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)

type

- type:
  0 - (string)
  1 - (long)
  2 - (double)
  3 - (double)
  4 - (long) []
  5 - (long) []
  6 - (string)
value = object.GetDataValue (Type,index)

object.Subscribe()
    0
object.Unsubscribe()
    0
object.Request()

object.BlockRequest()}
Event
Object Received
CpSvr7223

Request/Reply
X (/) O (/)

SB/PB X

CYBOS [7223 ] /

cpdb.dll
**Method**

object.SetInputValue(type,value)

type  value

- **type:**

  0 - (char)

    '1'
    '2'
    '3'
    '4'

  1 - (string) (/ )

  2 - (char)( )

- **value:**

  value = object.GetHeaderValue(type)

type

  - **type:**

    0 - (short)
    1 - (short)
value = object.GetDataValue (Type, index)

- type:

  0 - (string)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long):  
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long):  
  9 - (long):  
  10 - (long): 
  11 - (long): 
  12 - (long)
  13 - (long),

- : 

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object Received
CpSvr7225

(,,)

Request/Reply

O

SB/PB  X

CYBOS  [7225 ]

cpdib.dll
Method

object.SetInputValue(type, value)

type  value

• type:

0 - (short)[] 0 ,

value:

value = object.GetHeaderValue(type)

type

• type:

0 - (short)
1 - (short)

• :

value = object.GetDataValue (Type, index)

type

• type:

0 - (long)
1 - (long)
2 - (long)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**()

.Blocking Mode
Event
Object. Received
CpSvr7818
( 1,,CD,CP )
Request/Reply
X
SB/PB  X
CYBOS  [7818 ]
    cpdib.dll
Method
object.SetInputValue(type, value)

value = object/HeaderValue(type)
type

- type:
  0 - (short)

- :

value = object.GetDataValue(Type, index)
type

- type:
  0 - (string) 1 - (double) (%) 2 - (double) (%) 4 - (double)

- :

object.Subscribe()

object.Unsubscribe()

object.Request()
( 1,,CD,CP )
object.BlockRequest()
.Blocking Mode
Event
Object Received
( 1,,CD,CP )
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CpSvr7818C</strong></td>
<td>6, 1</td>
</tr>
<tr>
<td>Request/Reply</td>
<td>X</td>
</tr>
<tr>
<td><strong>SB/PB</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>CYBOS</strong></td>
<td>[7818 ] 6 1</td>
</tr>
<tr>
<td>cpdib.dll</td>
<td></td>
</tr>
</tbody>
</table>
Method

object.SetInputValue(type, value)

type  value

• type:

0 - (string)  "01": 1(5)
"02": (364)
"03": (1)
"04": (3)
"05": (AA-,3)
"06": CD(91)
"07": CP(91)
"08": (1)
"09": (3)
"10": (5)
"11": (2)
"12": (BBB-,3)
"13": (10)
"14": (20)
"15": (91)

1 - (char)

  '1'    6
  '2'    1

• value:  ]

value = object.GetHeaderValue(type)

type

• type:
0 - (short)

- :

value = object.GetDataValue (Type,index)

type

- type:

0 - (long)
1 - (float)
2 - (float)

- :

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  Blocking Mode
Event
Object Received
CpSvr7819

Request/Reply
X

SB/PB  X

CYBOS  [7819  ]
cpdb.dll
Method

object.SetInputValue(type,value)

value = object_HEADERS_value(type)

type

- type:

  0 - (string)  1 - (string)
  2 - (string)
  3 - (string)
  4 - (string)

- :

value = object.GetDataValue(Type,index)

type

- type:

  0 - (string)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)

- :

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()

Blocking Mode
Event
Object Received
CpSvr7819C
   6, 1
   Request/Reply
   X
SB/PB   X
CYBOS   [7819 ] 6 1
cpdb.dll
Method

object.SetInputValue(type,value)

- type:

  0 - (char)

    '1'  '2'  '3'  '4'  '5'  '6'  '7'  '8'  MMF

  1 - (char)

    '1'  6
    '2'  1

- value:

  value = object.GetStringValue(type)

  type
- **type:**

  0 - (short)

- **:**

  value = object.\texttt{GetDataValue (Type,index)}

- **:**

  **type:**

  0 - (long)
  1 - (long)
  2 - (long)

- **:**

  object.\texttt{Subscribe()}

  object.\texttt{Unsubscribe()}

  object.\texttt{Request()}

  object.\texttt{BlockRequest()}

  .Blocking Mode
Event
Object. Received
CpSvr8081

Request/Reply
O
SB/PB X
CYBOS [8081 ]
cpdib.dll
Method

object.setInputValue(type,value)

type  value

- type:

  0 - (char)

    '1'
    '2'
    '3'
    '4'

  1 - (char)

    '1'
    '2'  5
    '3'  50
    '4'  60
    '5'

  2 - (char)

    '1'
    '2'  10000
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>'3'</td>
<td>50000</td>
</tr>
<tr>
<td>'4'</td>
<td>10</td>
</tr>
<tr>
<td>'5'</td>
<td>50</td>
</tr>
<tr>
<td>'6'</td>
<td>100</td>
</tr>
</tbody>
</table>

- value:

value = object.GetHeaderValue(type)

type

- type:

0 - (short)

- :

value = object.GetDataValue (Type,index)

type

- type:

0 - (string) 1 - (string)
2 - (long)
3 - (float)
4 - (long)
5 - (long)
6 - (float) (%) 1
7 - (float) (%) 5
8 - (float) (%) 20
9 - (float) (%) 59

- :
object.\texttt{Subscribe()}

object.\texttt{Unsubscribe()}

object.\texttt{Request()}

object.\texttt{BlockRequest()}

.Blocking Mode
Event
Object. Received
CpSvr8082

/ Request/Reply
X

SB/PB X

CYBOS [8082 ]

cpdb.dll
Method
object.SetInputValue(type,value)
type  value

- type:

  0 - (string) /
  1 - (char)

    '1'  20  
    '2'  60  
    '3'  120  

- value:

  value = object.GetHeaderValue(type)
type

- type:

  0 - (short)
  :

  value = object.GetDataValue (Type,index)
type

- type:

  0 - (long) 1 - (float) (%) 1
  2 - (float) (%) 5
3 - (float) (%) 20
4 - (float) (%) 60
5 - (long, float) ( long, float)
6 - (long, float) ( long, float)
7 - (float)
8 - (long)

  
  
  object.Subscribe()

object.Unsubscribe()

object.Request()

/object.BlockRequest()
  .Blocking Mode
Event
Object. Received
/

CpSvr8083

/ ,

Request/Reply

X

SB/PB   X

CYBOS  [8083 ]

cpdib.dll
Method

object.SetInputValue(type,value)
type  value

- **type:**
  
  0 - (string)  // []

  F00001      KOSPI200
  F00003      KOSTAR

  1 - (char)

  '1'      30
  '2'      60
  '3'      150
  '4'      360

- **value:**

  value = object.GetHeaderValue(type)
type

  - **type:**

    0 - (short)

    • :
value = object.GetDataValue(Type,index)
type

- **type:**
  0 - (long)
  1 - (float) (%) 1
  2 - (float) (%) 5
  3 - (float) (%) 20
  4 - (float) (%) 60
  5 - (long,float) ( long, float)
  6 - (long,float) ( long, float)
  7 - (float)
  8 - (long)

- **:**

  object.Subscribe()

object.Unsubscribe()

object.Request()
/ ,
object.BlockRequest()
  .Blocking Mode
Event
Object.Received
/,
CpSvr8091

() Request/Reply
O

SB/PB  CpSvr8091s
CYBOS  [8091 ()]
cpdb.dll
**Method**

`object.SetInputValue(type,value)`

type value

- **type:**

  0 - (char)

  `'1'`  +
  `'3'`  +
  `'4'`  +
  `'5'`  +
  `'7'`  +
  `'8'`  +

  1 - (string)

  2 - (string or stringarray) Ex1) (VB, VBA)

  `SetInputValue 0, asc("4") ' or asc("5")`
  `SetInputValue 2, "A003540"`

  Ex2) (VB, VBA)
  `SetInputValue 0, asc("7") ' or asc("8")`
  `dim ar (0 To 1) as String`
  `ar(0) ="A003540"
  ar(1) ="A000660"
  `SetInputValue 2, ar`

  **VB/VBA Split**
  `SetInputValue 2, Split ( "A003540,A000660", ",")`
• **value:**

value = object.\textit{GetHeaderValue(type)}
type

• **type:**

0 - (short) Count

• **:**

value = object.\textit{GetDataValue (Type,index)}
type

• **type:**

0 - (short)
1 - (string)
2 - (string)
3 - (string)
4 - (char) /

    '1'
    '2'

5 - (long) /
6 - (long)
7 - (char) ('+','-')
8 - (char)
9 - (long)
10 - (long)

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()
()
object.BlockRequest()
.Blocking Mode
Event
Object. Received

0
CpSvr8091S
()
Subscribe/Publish
RQ/RP CpSvr8091
CYBOS [8091 ()]
cpdib.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**
  
  0 - (string) ( 888 , ("*"))
  1 - (string) [ ("*" ) ]

- **value:**
  
  value = object.GetHeaderValue(type)
type

- **type:**
  
  0 - (short) 1 - (string)
  2 - (string)
  3 - (string)
  4 - (char) /

        '1'
        '2'

  5 - (long) /
  6 - (long)
  7 - (char) ('+', '-')
  8 - (long)

- :

  "\n"
value = object.GetDataValue (Type, index)

object.Subscribe()
()
object.Unsubscribe()
()
object.Request()

object.BlockRequest()
Event
Object. Received ()
CpSvr8092S

()  
Subscribe/Publish

RQ/RP  CpMarketWatch

CYBOS  [8092 MarketWatch] tr809  CpSysDib
CpMarketWatchS.
cpdib.dll
Method
object.SetInputValue(type,value)
type value

- **type:**
  
  0 - (string) [  "*" / ]

- **value:**
  
  value = object.GetHeaderValue(type)
type

- **type:**
  
  0 - (char)
  
  'A'
  
  'D'
  
  1 - (string)
  
  2 - (short)
  
  3 - (string)
  
  4 - (short)

  1
  
  2
  
  10
value = object.GetDataValue(Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
Event
Object. Received
CpSvr8111

Request/Reply
X

SB/PB   CpSvr8111s
CYBOS   [8111 ]
cpdib.dll
Method

object.SetInputValue(type,value)

- **type:**

  0 - (char) / '1' '2'

- **value:**

  value = object.GetHeaderValue(type)

- **type:**

  0 - (long) 1 - (short)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (long)
  10 - (long)
  11 - (long)
  12 - (long)
  13 - (long)
  14 - (long)
  15 - (long)
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

.Blocking Mode
Event
Object. Received
CpSvr8111S

Subscribe/Publish
X

SB/PB  X

CYBOS  [8111 ]

cpdb.dll
**Method**

`object.SetInputValue(type, value)`

`value = object.GetHeaderValue(type)`

type

- **type:**

  0 - (long) 1 - (short)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (long)
  10 - (long)
  11 - (long)
  12 - (long)
  13 - (long)
  14 - (long)
  15 - (long)
  16 - (long)
  17 - (long)
  18 - (long)
  19 - (long)
  20 - (long)
  21 - (long)
  22 - (long)
  23 - (long)
  24 - (long)
  25 - (long)
  26 - (long)
  27 - (long)
  28 - (long)
  29 - (long)
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
Event
Object. Received
CpSvr8111KS

Subscribe/Publish

RQ/RP  CpMarketWatch

CYBOS  [8111 ]

cpdb.dll
Method

object.SetInputValue(type, value)

value = object.GetHeaderValue(type)

type

- **type:**

  0 - (long)  1 - (short)
  2 - (long)
  3 - (long)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (long)
 10 - (long)
11 - (long)
12 - (long)
13 - (long)
14 - (long)
15 - (long)
16 - (long)
17 - (long)
18 - (long)
19 - (long)
20 - (long)
21 - (long)
22 - (long)
23 - (long)
24 - (long)
25 - (long)
26 - (long)
27 - (long)
28 - (long)
29 - (long)
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
Event
Object. Received
PgaTime8112

(,,)
Request/Reply
O
SB/PB X
CYBOS [8112 ]
cpdb.dll
Method

object.SetInputValue(type,value)

type value

- **type:**

  0 - (char)

    '1'
    '2'

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short) 1 - (short)
  2 - (char)

- **:**

  value = object.GetDataValue (Type,index)

type

- **type:**

  0 - (short)
  1 - (long)
  2 - (long)
  3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)

• : 

object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**().**Blocking Mode**
Event
Object. Received
CpSvr8116

Request/Reply
O

SB/PB X

CYBOS [8116 ]

cpdib.dll
Method
object.SetInputValue(type, value)

- type:
  0 - (char) / '1' '2'

- value:
  value = object.GetHeaderValue(type)

- type:
  0 - (char) 1 - (short)

- :
  value = object.GetDataValue(Type, index)

- type:
  0 - (long)
  1 - (long)
  2 - (long)
  3 - (long)
  4 - (long)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object Received
CpSvr8300

Request/Reply
X
SB/PB WorldCur
CYBOS [8300 ()]
cpdb.dll
**Method**

`object.SetInputValue(type, value)`

- **type:**
  0 - (string) [ list CpUtil CpUsCode ]
  1 - (char) ('D', 'W', 'M')

    'D'
    'W'
    'M'
  3 - (short) ()

- **value:**

  value = object.GetHeaderValue(type)

- **type:**
  0 - (string)
  1 - (char)
  2 - (long)
  3 - (short)

- **:**

  value = object.GetDataValue (Type, index)

  type
- **type:**

  0 - (long)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (ulong)

  index: data index

- **index**

  object.**Subscribe()**

  object.**Unsubscribe()**

  object.**Request()**

  object.**BlockRequest()**

  .Blocking Mode
Event
Object. Received
CpFore8311

' """
Request/Reply
X
SB/PB  WorldCur
CYBOS  [8300 ()]
cpdib.dll
Method

object.SetInputValue(type, value)

type   value

• type:

0 - (char),

    '1'
    '2'
    '3'
    '4'

• value:

value = object.GetHeaderValue(type)
type

• type:

0 - (short)

• :

value = object.GetDataValue (Type, index)
type

• type:

0 - (string) Symbol1 - (string)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

.Blocking Mode
Event
Object. Received
CpFore8312

, Request/Reply

X

SB/PB  WorldCur

CYBOS  [8312]

cpdb.dll
**Method**

object.SetInputValue(type,value)

type  value

- **type:**

  0 - (string)  [ list CpUtil CpUsCode ]
  1 - (char) '1' '2'

  2 - (short)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string)
  1 - (char)
  2 - (short)
  3 - (string) Symbol
  4 - (float)
  5 - (float)
  6 - (float)
value = object.GetDataValue(Type, index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
.Blocking Mode
Event
Object. Received,
CpSvr8561

,  
Request/Reply  
X  
SB/PB X  
CYBOS [8561 ]  
cpdib.dll
Method

object.SetInputValue(type, value)

value = object.GetHeaderValue(type)

type

- type:

  0 - (short) data

- :

  value = object.GetDataValue(Type, index)

  type

- type:

  0 - (short) 1 - (short)

  2 - (string)

- index: data index

- index data

object.Subscribe()

object.Unsubscribe()

object.Request()

, object.BlockRequest()

.Blocking Mode
Event
Object Received,
CpSvr8561T

Request/Reply
O
SB/PB X
CYBOS [8561 ]
cprib.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 - (short)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (short)

  1 - (short) data

  2 - (string) comment

- **:**

  value = object.GetDataValue (Type, index)

type

- **type:**

  0 - (string) 1 - (string)

  2 - (long)

  3 - (long)

  4 - (float)

  5 - (long)

  6 - (float)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

.Blocking Mode
Event
Object: Received
CpSvr8562

Request/Reply
O
SB/PB X
CYBOS [8562 ]
cpdib.dll
Method

object.SetInputValue(type,value)

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)

- type:
  0 - (short)data

- :
  value = object.GetDataValue (Type,index)

- type:
  0 - (short) 1 - (string)

- :

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()

.Blocking Mode
Event
Object. Received
<table>
<thead>
<tr>
<th><strong>CpSvr8563</strong></th>
<th>Request/Reply</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
</tr>
<tr>
<td><strong>SB/PB</strong></td>
<td>X</td>
</tr>
<tr>
<td><strong>CYBOS</strong></td>
<td>[8563 ]</td>
</tr>
<tr>
<td></td>
<td>cpdib.dll</td>
</tr>
</tbody>
</table>
Method

object.SetInputValue(type, value)

- **type:**

  0 - (char)

  '1'
  '2'
  '3'  5
  '4'  5
  '5'
  '6'

- **value:**

  value = object.GetHeaderValue(type)

- **type:**

  0 - (short)data

- **:**

  value = object.GetDataValue(Type, index)
- **type:**
  
  0 - (short) 1 - (string)
  2 - (short)
  3 - (float)
  4 - (float)
  5 - (long)
  6 - (long)
  7 - (long)

- :
  
  object. **Subscribe()**

  object. **Unsubscribe()**

  object. **Request()**

  object. **BlockRequest()**

  .Blocking Mode
Event
Object. Received
CmeConclusionRt

CME

Subscribe/Unsubscribe

CYBOS  [CYBOS CME  ] [6750 CME ]

() cpdib.dll
**Method**

`object.SetInputValue(type, value)`

`value = object.GetHeaderValue(type)`

type

- `0 - (string)`
- `1 - (string)`
- `2 - (string)`
- `3 - (string)`
- `4 - (string)`
- `5 - (string)`
- `6 - (long)`
- `7 - (double)`
- `8 - (string)`
- `9 - (string)`

1

2

9 - (string)
10 - (string)

11 - (string)

0 [default]

1 IOC

2 FOK

12 - (string)

13 - (long)

14 - (long)
value = object.GetDataValue (Type,index)

object.Subscribe()
data
object.Unsubscribe()
data
object.Request()

object.BlockRequest()
**Event**

Object. **Received**

CME (/, , )

<>

--- U-CYBOS ---
Method
object.SetInputValue(type,value)

value = object.GetHeaderValue(type)
type

- 0 - (string)
- 1 - (string)
- 2 - (string)
- 3 - (string)
- 4 - (string)
- 5 - (string)
- 6 - (long)
- 7 - (double)
- 8 - (string)
10 - (string)

0  [default]

12 - (string)

13 - (long)
14 - (long)
15 - (long)
16 - (string)
0

1

2

17 - (long)
18 - (long)
19 - (double)
20 - (longlong)
21 - (longlong)
22 - (longlong)
23 - (longlong)
24 - (longlong)

• :

value = object.GetDataValue (Type,index)

object.Subscribe()
data
object.Unsubscribe()
data
object.Request()
object.BlockRequest()
Event
Object.Received
EUREX (/, , )
<>
________U-CYBOS________
StockAdj

Request/Reply
X

SB/PB  X

CYBOS [7400 ]  
cpsysdib.dll
Method

object.SetInputValue(type,value)

type value

• type:

  0 - (string)
  1 - (char)

    'D'
    'W'
    'M'

• value:

value = object.GetHeaderValue(type)

type

• type:

  0 - (string)
  1 - (char)
  2 - (long)

• :

value = object.GetDataValue (Type,index)

type

• type:
0 - (long)

1 - (string): "", "", "", "", "", "", "", ""

2 - (double)

•

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Blocking Mode

Event

Object.Received
StockUniMst
.
Request/Reply
X
SB/PB  StockUniCur
CYBOS  [7321 ]
cpsysdib.dll
Method

object.SetInputValue(type, value)

type value

- **type:**
  - 0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  - 0 - (string)
  - 1 - (string)
  - 2 - (long)
  - 3 - (long)
  - 4 - (string)
  - "00"
  - "01"
  - "02"
  - "03"
  - "99"
  - 5 - (char)
  - '0'
'1'
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (long)
12 - (char)

'1'
'2'
'3'
'4'
'5'
'6'
'7'
'8'
'9'
13 - (char)

'1'
'2'
'3'
'4'
'5'
'6'
'7'
'8'
'9'
14 - (long)
15 - (long)
16 - (long)
17 - (long)
18 - (long)
19 - (long)
20 - (long)
21 - (long)
22 - (long)
23 - (long)
24 - (long)
25 - (ulong)
26 - (ulong) []
27 - (long)
28 - (char) ('1': '2')
29 - (char)

'1'
'2'
47- (ulong) 3
48- (string) 3
49- (ulong) 3
50- (string) 4
51- (ulong) 4
52- (string) 4
53- (ulong) 4
54- (string) 5
55- (ulong) 5
56- (string) 5
57- (ulong) 5
58- (long) 1
59- (long) 1
60- (long) 1
61- (long) 1
62- (long) 1
63- (long) 1
64- (long) 2
65- (long) 2
66- (long) 2
67- (long) 2
68- (long) 2
69- (long) 2
70- (long) 3
71- (long) 3
72- (long) 3
73- (long) 3
74- (long) 3
75- (long) 3
76- (long) 4
77- (long) 4
78- (long) 4
79- (long) 4
80- (long) 4
81- (long) 4
82- (long) 5
83- (long) 5
84- (long) 5
85- (long) 5
86- (long) 5
87- (long) 5
88- (long)
89- (long)
90- (long)
91- (long)
92- (string)
93- (string)
94- (long)
95- (long)
96- (long)
97- (long)
98- (double) PER
99- (long) []

--> 

100- (decimal)
101- (decimal)
102- (decimal)
103- (double)
104- (double)
<table>
<thead>
<tr>
<th>Value</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>char</td>
</tr>
<tr>
<td>1</td>
<td>char</td>
</tr>
<tr>
<td>2</td>
<td>char</td>
</tr>
<tr>
<td>3</td>
<td>char</td>
</tr>
<tr>
<td>4</td>
<td>char</td>
</tr>
<tr>
<td>5</td>
<td>char</td>
</tr>
<tr>
<td>0</td>
<td>ushort</td>
</tr>
<tr>
<td>2011</td>
<td>4</td>
</tr>
<tr>
<td>1</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
<tr>
<td>52</td>
<td>long</td>
</tr>
</tbody>
</table>
value = object.GetDataValue (Type, index)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
StockUniCur

/ Subscribe/Publish

RQ/RP  StockUniMst

CYBOS  [7321 ]
cpsysdib.dll

:  .
CYBOS : [7321 ]

: Subscribe/Publish

: CpsysDib.dll
**Method**

`object.SetInputValue(type, value)`

type  value

- **type:**
  
  0 - (string)

- **value:**

  value = `object.GetHeaderValue(type)`

type

- **type:**
  
  0 - (string)
  1 - (string)
  2 - (long)
  3 - (long)
  4 - (char)

  '1'
  '2'
  '3'
  '4'
  '5'
  '6'
  '7'
  '8'
'9'
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (ulong)
12 - (ulong) []

13 - (char)

'1'

'2'
14 - (ulong)
15 - (ulong)
16 - (ulong)
17 - (ulong)
18 - (ulong)
19 - (char)

'1'

'2'
20 - (ulong)
21 - (ulong)
• : 

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event
Object.Received
StockUniWeek

Request/Reply
X
SB/PB StockUniCur ( )
CYBOS [7026 ]
cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**
  
  0 - (string)

- **value:**

  value = object.**GetHeaderValue(type)**
type

- **type:**
  
  0 - (string) 1 - (short)

- ::

  value = object.**GetDataValue (Type,index)**
type

- **type:**
  
  0-(ulong) 1-(ulong) 2-(ulong) 3-(ulong) 4-(ulong) 5-(long) 6-(double) 7-(char)
8-(ulong)

- index: data index

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
StockUniJpBid
.
Subscribe/Publish
RQ/RP StockUniMst
CYBOS [7321] 1~5
cpsysdib.dll
Method

object.SetInputValue(type,value)

type  value

- **type:**
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - (string)
  1 - (long)
  2 - (ulong)
  3 - (long) 1
  4 - (long) 1
  5 - (ulong) 1
  6 - (ulong) 1
  7 - (long) 2
  8 - (long) 2
  9 - (ulong) 2
  10 - (ulong) 2
  11 - (long) 3
  12 - (long) 3
  13 - (ulong) 3
  14 - (ulong) 3
  15 - (long) 4
  16 - (long) 4
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
StockUniBid

  Request/Reply
  X

SB/PB  StockUniCur
CYBOS  [7321 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)

type value

- type:
  0 - (string)
  1 - (char)

  '1'
  '2'
  2 - (ushort)

- value:

  value = objectHTTPHeaderValue(type)
  type

- type:
  0 - (string)
  1 - (char)
  2 - (ushort)
  3 - (ulong)
  4 - (ulong)

- :

  value = object.GetDataValue (Type, index)
  type
• type:

0 - (ulong)  1 - (long)
2 - (char)

'1'
'2'
'3'
'4'
'5'
'6'
'7'
'8'
'9'

3 - (ulong)  4 - (ulong)  5 - (ulong)  6 - (ulong)  7 - (char)

• index: data index

object.Subscribe()

object.Unsubscribe()
object.Request()

object.BlockRequest()
.Blocking Mode

Event

Object.Received
StockChart
, , ELW .
Request/Reply
X
SB/PB  StockCur
CYBOS  [7400 ] ,,,
cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**

  0 - (string): (A003540), (U001), ELW(J517016)
  1 - (char):

  '1'

  '2'

  2 - (ulong): YYYYMMDD ( ) Default(0) -
  3 - (ulong): YYYYMMDD ( )
  4 - (ulong):
  5 - (long or long array):

  0: (ulong)
  1:(long) - hhmm
  2:(long or float)
  3:(long or float)
  4:(long or float)
  5:(long or float)
  6:(long or float) - ) (37)
  8:(ulong or ulonglong) )
  9:(ulonglong)
  10:(ulong or ulonglong) -  11:(ulong or ulonglong) -
  12:ulonglong
  13:ulonglong
  14:ulong
15:(ulong)
16:(ulong)
17:(float)
18:(ulong) - YYYYMMDD
19:(float)
20:(long)
21:(long)
22:(long)
23:(float)
24:(ulonglong)
25:(float)
26:(float)
37:(char) - GetHeaderValue 8
6 - (char)

'D'
'W'
'M'
'm'
'T'

7 - (ushort): Default-1
8 - (char)

'0' [Default]
'1'

9 - (char)
value = object.**GetHeaderValue**(type)

**type:**

- 0 - (string)
- 1 - (short)
- 2 - (string array):
- 3 - (long)
- 4 - (ushort)
- 5 - (ulong): YYYYMMDD
- 6 - (ulong or float)
- 7 - (ulong or float)
- 8 - (char)
'3'  
'4'  
'5'  
'6'  
'7'  
'8'  
'9'  

9 - (long or float)  
10 - (ulong or ulonglong)  
11 - (ulong or float)  
12 - (ulong or float)  
13 - (ulong or float)  
14 - (ulong or float)  
15 - (ulong or float)  
16 - (ulonglong)  
17 - (char)  
   '0' -  
   '1' -  
   '2' -  
   '3' -  
   '4' -  
   '5' - &  
   '6' - &  
   '7' - &  
   '8' - &  
   '9' - &  
   'A' - &&  
   'B' - &&  
   'C' -
value = object.GetDataValue (Type,index)
type

• type:  index -

• index:  index

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
CpMarketWatch

Request/Reply
O
SB/PB  CpMarketWatchS
CYBOS  [8092 MarketWatch ]
cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- type:

  0 - (string):  . Default("*") -
  1 - (string):
    
    (ex) 1,2 ->
    Default("*") -
    "1":
    "2":
    "10":
    "11":
    "12":
    "13":
    "21":
    "22": 5
    "23": 5
    "24": 60
    "28": 5
    "29": 5
    "30": 5
    "31":
    "32":
    "41": 5MA
    "42": 5MA
    "43": 5MA
    "44": (5MA < 20MA)
    "45": (5MA > 20MA)
    "46": MACD -Signal(9)
"47": MACD -Signal(9)
"48": CCI -(-100)
"49": CCI -(100)
"50": Stochastic(10,5,5)-
"51": Stochastic(10,5,5)-
"52": Stochastic(10,5,5)- %K%D
"53": Stochastic(10,5,5)- %K%D
"54": Sonar -Signal(9)
"55": Sonar -Signal(9)
"56": Momentum -(100)
"57": Momentum -(100)
"58": RSI(14) -Signal(9)
"59": RSI(14) -Signal(9)
"60": Volume Oscillator -Signal(9)
"61": Volume Oscillator -Signal(9)
"62": Price roc -Signal(9)
"63": Price roc -Signal(9)
"64": - >
"65": - <
"66": -
"67": -
"68": -
"69": -
"70": -"
"71": -
"81": 5MA
"82": -5%
"83": -20MA

2 - (ushort): . Default(0) -

• value:
value = object.<b>GetValue</b>(type)
type

- <strong>type</strong>:

  0 - (string)
  1 - (short)
  2 - (short)

- :

value = object.<b>DataValue</b> (Type,index)
type

- <strong>type</strong>:

  0 - (ushort)
  1 - (string)
  2 - (string)
  3 - (ushort)
  4 - (string)

- <strong>index</strong>: index

- :

object.<b>Subscribe</b>()

object.<b>Unsubscribe</b>()

object.<b>Request</b>()

object.<b>BlockRequest</b>()
Blocking Mode

Event

Object Received
CpMarketWatchS

Subscribe/Publish

RQ/RP   CpMarketWatch
CYBOS   [8092 MarketWatch ]
cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**
  0 - (string) ("*" - )

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**
  0 - (string)  
  1 - (string)  
  2 - (long) Count

- **:**

  value = object.GetDataValue (Type,index)
type

- **type:**
  0 (int) (ushort)  
  1 (char)
  
  'c'
  'n'
  'c'
  2 (int)
10:
11:
12:
13:
21:
22: 5
23: 5
24: 60
28: 5
29: 5
30: 5
31:
32:
41: 5MA
42: 5MA
43: 5MA
44: (5MA < 20MA)
45: (5MA > 20MA)
46: MACD - Signal(9)
47: MACD - Signal(9)
48: CCI - (-100)
49: CCI - (100)
50: Stochastic(10,5,5) -
51: Stochastic(10,5,5) -
52: Stochastic(10,5,5) - %K%D
53: Stochastic(10,5,5) - %K%D
54: Sonar - Signal(9)
55: Sonar - Signal(9)
56: Momentum - (100)
57: Momentum - (100)
58: RSI(14) - Signal(9)
59: RSI(14) -Signal(9)
60: Volume Oscillator -Signal(9)
61: Volume Oscillator -Signal(9)
62: Price roc -Signal(9)
63: Price roc -Signal(9)
64: - >
65: - <
66: -
67: -
68: -
69: -
70: -
71: -
81:  5MA
82: -5%
83: -20MA

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event
Object.Received
Request/Reply
O
SB/PB    FuturCurr, OptionCur
CYBOS    [9400 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)
type  value

- **type:**

  0 - (string)
  1 - (char)

  '1'
  '2'

  2 - (ulong) ( )
  3 - (ulong)
  4 - ( ulong)
  5 - (long or long array):

  0: (ulong)
  1: (ulong) - hhmm, ('S') hhmmss)
  2: (ulong or float)
  3: (ulong or float)
  4: (ulong or float)
  5: (ulong or float)
  6: (long or float)
  7: (ulong or ulonglong)
  8: (ulong or ulonglong)
  9: (ulonglong)
  10: (ulong or ulonglong) - ) ,
  11: (ulong or ulonglong) - ) ,
  12:
  13:
  14:
15:
16:
17:
18:(ulong) - YYYYMMDD
19:(float)
20:(long)
21:(long)
22:
23:
24:
25:
26:
27:
28: ( )
29:
30: ( )
31: IV
32: Delta
33: Gamma
34: Theta
35: Vaga
36: Rho
6 - (char)

'D'
'W'
'M'
'm'
'S'
'T'
7 - (ushort)
8 - (char)

'0'
'1'
9 - (char)

'0'
'1'

• value:

value = object.GetHeaderValue(type)

type

• type:

0 - (string)
[] (10100)
.
1 - (short)
2 - (string array)
3 - (long)
4 - (ushort)
5 - (ulong)
6 - (float)
7 - (float)
8 - (float)
value = object.GetDataValue (Type, index)
type

  • type:  index -

  • index:  index

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
OptionCurOnly
.
Subscribe/Publish

RQ/RP  OptionMst

CYBOS  [7059]
cpsysdib.dll
Method

object.SetInputValue(type, value)

type value

- **type:**
  
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  
  0 - (string)
  1 - (long)
  2 - (double)
  3 - (double)
  4 - (double)
  5 - (double)
  6 - (double)
  7 - (ulong)
  8 - (ulong)
  9 - (double)
  10 - (double) I.V
  11 - (double) Delta
  12 - (double) Gamma
  13 - (double) Theta
  14 - (double) Vega
  15 - (double) Rho
  16 - (ulong)
17 - (float)
18 - (float)
19 - (ulong)
20 - (ulong)
21 - (char)

'1'
'2'

• : 

22 - (long) ( 26 .)
23 - (short)

10
11
20
21
30
40
24 - (ulong) ()
25 - (char)

'1'
'2' +

26 - (long)
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event
Object.Received
CpFutOptTheoVal
/
  Request/Reply
  X
SB/PB  X
CYBOS  [0779 ]
cpsysdib.dll
**Method**

`object.SetInputValue(type,value)`

`type`  `value`

- **type:**
  
  0 - (string)
  
  1 - (string)

  "1"
  "2"

- **value:**

  `value = object.GetHeaderValue(type)`

  `type`

  - **type:**
    
    0 - (long)
    
    1 - (long)
    
    2 - (string)
    
    3 - (string)
    
    4 - (double)
    
    5 - (double)
    
    6 - (double)

- **:**

  `value = object.GetDataValue(Type,index)`

  `type`
• type:

0 - (string) 1 - (double)
2 - (double)

• :

object.Subscribe()

doctor.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode
 EVENT
Object.Received
FutureJpBid

, 1~5 .

Subscribe/Publish

RQ/RP  FutureMst

CYBOS  [9421 ]

cpsysdib.dll
Method
	object.SetInputValue(type, value)

typt   value

\begin{itemize}
\item **type:**
\end{itemize}

0 - (string)

\begin{itemize}
\item **value:**
\end{itemize}

value = object.setHeaderValue(type)

typt

\begin{itemize}
\item **type:**
\end{itemize}

0 - (string)
1 - (long) ()
2 - (float) 1
3 - (float) 2
4 - (float) 3
5 - (float) 4
6 - (float) 5
7 - (long) 1
8 - (long) 2
9 - (long) 3
10 - (long) 4
11 - (long) 5
12 - (long)
13 - (short) 1
14 - (short) 2
15 - (short) 3
16 - (short) 4
17 - (short) 5
18 - (long)
19 - (float) 1
20 - (float) 2
21 - (float) 3
22 - (float) 4
23 - (float) 5
24 - (long) 1
25 - (long) 2
26 - (long) 3
27 - (long) 4
28 - (long) 5
29 - (long)
30 - (short) 1
31 - (short) 2
32 - (short) 3
33 - (short) 4
34 - (short) 5
35 - (long)
36 - (short)
value = object.GetDataValue (Type,index)

object.Subscribe()
  0
object.Unsubscribe()
  0
object.Request()

object.BlockRequest()
Event
Object. Received
OptionJpBid

，1~5。

Subscribe/Publish

RQ/RP  OptionMst

CYBOS  [9721]

cpSysdib.dll
**Method**

`object.SetInputValue(type, value)`

**type**  **value**

- **type:**
  0 - (string)

- **value:**
  
  `value = object.GetHeaderValue(type)`

**type**

- **type:**
  0 - (string)
  1 - (long) ()
  2 - (float) 1
  3 - (float) 2
  4 - (float) 3
  5 - (float) 4
  6 - (float) 5
  7 - (long) 1
  8 - (long) 2
  9 - (long) 3
  10 - (long) 4
  11 - (long) 5
  12 - (long)
13 - (short) 1
14 - (short) 2
15 - (short) 3
16 - (short) 4
17 - (short) 5
18 - (long)
19 - (float) 1
20 - (float) 2
21 - (float) 3
22 - (float) 4
23 - (float) 5
24 - (long) 1
25 - (long) 2
26 - (long) 3
27 - (long) 4
28 - (long) 5
29 - (long)
30 - (short) 1
31 - (short) 2
32 - (short) 3
33 - (short) 4
34 - (short) 5
35 - (long)
36 - (short)
value = object.GetDataValue (Type, index)

object.Subscribe()
  0
object.Unsubscribe()
  0
object.Request()

object.BlockRequest()
Event
Object. Received
FOExcpectCur

//

Subscribe/Publish

RQ/RP FutureMst, OptionMst, SOptionMst

CYBOS [9421] [9721]
[9321]

cpSysdib.dll
Method

object.SetInputValue(type, value)

type value

- **type:**

  0 - (string)
  1 - (string)

  * [default]

  F1
  F2
  F3
  F4
  O1
  O3
  O4

  2 - (string): "*" - "AA" - 2(, "1G")

- **value:**

  value = object.GetHeaderValue(type)

  type

  - **type:**

    0 - (string)
    1 - (long) ()
2 - (float long)
3 - (float long)
4 - (ushort)

value = object.GetDataValue (Type, index)

object.Subscribe()
  0
object.Unsubscribe()
  0
object.Request()

object.BlockRequest()
Event
Object Received
Elw

(ELW)
Request/Reply
X
SB/PB  StockCur, ElwUnderCur
CYBOS  [7721 ]
cpsysdib.dll
Method
object.SetInputValue(type,value)

- **type:**
  0 - (string)

- **value:**

  value = object. **GetHeaderValue(type)**

- **type:**
  0 - (string)
  1 - (string)
  2 - (string)
  5 - (ulong)
  6 - (float)
  7 - (float)
  8 - (ulong)
  9 - (ulong)
  10 - (ulong)
  11 - (ulong)
  12 - (float)CD
  13 - (ulong)
14 - (ulong)
15 - (long)
16 - (ulong)
17 - (ulong)
18 - (ulong)
19 - (ulong)
20 - (decimal)
21 - (ulong)
22 - (ulong)
23 - (ulong)
24 - (ulong)
25 - (char)

'1'

'2'

26 - (ulong)
27 - (long)
28 - (ulong)
29 - (string string array)
30 - (string)
31 - (float ulong)
32 - (float ulong)
33 - (char)
'1'
'2'
'3'
'4'
'5'

34 - (float long)
35 - (char)

'1'
'2'

36 - (float ulong)
37 - (char)

'1'
'2'
'3'
'4'
'5'

38 - (float long)
39 - (uslong)
40 - (float)
41 - (float)
42 - (float)
43 - (float)
44 - (float)
45 - (float) Moneyness
46 - (string) Moneyness ("ITM","OTM")
52 - (float)
53 - (long)
56 - (ulong) LP
57 - (float) LP
58 - (long) LP
59 - (float)
60 - (float)
61 - (float)
62 - (float)
63 - (float)
64 - (float)
65 - (float) e-
66 - (char) /
   '0' -
   '1' -
   '2' -
   '3' -
   '4' -
'3'
'4'
'5'

68 - (char)

'Y'
'N'

69 - (float)
70 - (float)
71 - (float)KO
72 - (float)LP

• :

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
 .Blocking Mode

Event
Object.Received
ElwAll

(Elw)
Request/Reply
O
SB/PB  StockCur, ElwUnderCur
CYBOS  [7710 ELW ]
cpsysdib.dll
Method

object.SetInputValue(type, value)

- type:
  0 - (char)
    '0'
    '1'
    '2'
    '3'
    '4'
  1 - (char)
    '0'
    '1'
    '2'
    '3'
    '4'
  2 - (long)
    1
    2
    3
    4
    5
Moneyness
'0'
'1'
'2'

4 - (string)()
5 - (string)()
6 - (char)()

'A'
'0'
'1'
'2'

• value:

value = object.GetStringValue(type)
type

• type: 0 - (ushort)

• :

value = object.GetDataValue (Type,index)
type

• type:

0 - (string)
1 - (string)
2 - (ulong)
3 - (string)
4 - (string)
5 - (ulong)
6 - (ulong)
7 - (ulong)
8 - (ulong)
9 - (ulong)
10 - (float)
11 - (float)
12 - (ulong)
13 - (ulong)
14 - (ulong)
15 - (ulong)
16 - (ulong)
17 - (long)
18 - (float)
19 - (ulong)
20 - (char)

'1'
'2'
21 - (ulong)
22 - (long)
23 - (float)
24 - (ulong)
25 - (decimal)
26 - (float)
27 - (float)
28 - (float)
29 - (float)
30 - (float)
31 - (float) Moneyness
32 - (string) Moneyness ("ITM","OTM")
33 - (float)
34 - (float)
36 - (string)
37 - (string)
38 - (float)
39 - (long)
40 - (float)
41 - (long)
42 - (long)
43 - (float)
44 - (float)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event
Object.Received
ElwJpBid2

(ELW)

Request/Reply

X

SB/PB  StockJpBid

CYBOS  [7721 ] 1~10
cpsysdib.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**
  
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:** 0 - (string)
  
  1 - (ulong)
  2 - (ulong)1
  3 - (ulong)1
  4 - (ulong)1
  5 - (ulong)1
  6 - (ulong)1 LP
  7 - (ulong)1 LP
  8 - (long)1
  9 - (long)1
  10 - (long)1 LP
  11 - (long)1 LP
  12 - (ulong) 2
  13 - (ulong) 2
<table>
<thead>
<tr>
<th>Number</th>
<th>Type</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>ulong</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
<td>ulong</td>
<td>2</td>
</tr>
<tr>
<td>16</td>
<td>ulong</td>
<td>2 LP</td>
</tr>
<tr>
<td>17</td>
<td>ulong</td>
<td>2 LP</td>
</tr>
<tr>
<td>18</td>
<td>long</td>
<td>2</td>
</tr>
<tr>
<td>19</td>
<td>long</td>
<td>2</td>
</tr>
<tr>
<td>20</td>
<td>long</td>
<td>2 LP</td>
</tr>
<tr>
<td>21</td>
<td>long</td>
<td>2 LP</td>
</tr>
<tr>
<td>22</td>
<td>ulong</td>
<td>3</td>
</tr>
<tr>
<td>23</td>
<td>ulong</td>
<td>3</td>
</tr>
<tr>
<td>24</td>
<td>ulong</td>
<td>3</td>
</tr>
<tr>
<td>25</td>
<td>ulong</td>
<td>3</td>
</tr>
<tr>
<td>26</td>
<td>ulong</td>
<td>3 LP</td>
</tr>
<tr>
<td>27</td>
<td>ulong</td>
<td>3 LP</td>
</tr>
<tr>
<td>28</td>
<td>long</td>
<td>3</td>
</tr>
<tr>
<td>29</td>
<td>long</td>
<td>3</td>
</tr>
<tr>
<td>30</td>
<td>long</td>
<td>3 LP</td>
</tr>
<tr>
<td>31</td>
<td>long</td>
<td>3 LP</td>
</tr>
<tr>
<td>32</td>
<td>ulong</td>
<td>4</td>
</tr>
<tr>
<td>33</td>
<td>ulong</td>
<td>4</td>
</tr>
<tr>
<td>34</td>
<td>ulong</td>
<td>4</td>
</tr>
<tr>
<td>35</td>
<td>ulong</td>
<td>4</td>
</tr>
<tr>
<td>36</td>
<td>ulong</td>
<td>4 LP</td>
</tr>
</tbody>
</table>
37 - (ulong) 4 LP
38 - (long) 4
39 - (long) 4
30 - (long) 4 LP
31 - (long) 4 LP

42 - (ulong) 5
43 - (ulong) 5
44 - (ulong) 5
45 - (ulong) 5
46 - (ulong) 5 LP
47 - (ulong) 5 LP
48 - (long) 5
49 - (long) 5
50 - (long) 5 LP
51 - (long) 5 LP

52 - (ulong) 6
53 - (ulong) 6
54 - (ulong) 6
55 - (ulong) 6
56 - (ulong) 6 LP
57 - (ulong) 6 LP
58 - (long) 6
59 - (long) 6
60 - (long) 6 LP
61 - (long) 6 LP

62 - (ulong) 7
63 - (ulong) 7
64 - (ulong) 7
65 - (ulong) 7
66 - (ulong) 7 LP
67 - (ulong) 7 LP
68 - (long) 7
69 - (long) 7
70 - (long) 7 LP
71 - (long) 7 LP

72 - (ulong) 8
73 - (ulong) 8
74 - (ulong) 8
75 - (ulong) 8
76 - (ulong) 8 LP
77 - (ulong) 8 LP
78 - (long) 8
79 - (long) 8
70 - (long) 8 LP
71 - (long) 8 LP
82 - (ulong) 9
83 - (ulong) 9
84 - (ulong) 9
85 - (ulong) 9
86 - (ulong) 9 LP
87 - (ulong) 9 LP
88 - (long) 9
89 - (long) 9
90 - (long) 9 LP
91 - (long) 9 LP
92 - (ulong) 10
93 - (ulong) 10
94 - (ulong) 10
95 - (ulong) 10
96 - (ulong) 10 LP
97 - (ulong) 10 LP
98 - (long) 10
99 - (long) 10
100 - (long) 10 LP
101 - (long) 10 LP
102 - (ulong)
103 - (ulong)
104 - (long)
value = object.GetDataValue (Type,index)
type

• type:

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
 .Blocking Mode
Event
Object.Received
ElwJpBid
  . StockJpBid  .

(ELW)
Subscribe/Publish

RQ/RP  ElwJpBid2

CYBOS  [7721 ] 1~10

cpsysdib.dll
Method

object.SetInputValue(type, value)

- type:
  
  0 - (string)

- value:

  value = object.GetHeaderValue(type)
  
  type

- type: 0 - (string)
  1 - (ulong)
  2 - (ulong)1
  3 - (ulong)1
  4 - (ulong)1
  5 - (ulong)1
  6 - (ulong)1 LP
  7 - (ulong)1 LP
  8 - (ulong)2
  9 - (ulong)2
  10 - (ulong)2
  11 - (ulong)2
  12 - (ulong)2 LP
  13 - (ulong)2 LP
14 - (ulong)3
15 - (ulong)3
16 - (ulong)3
17 - (ulong)3
18 - (ulong)3 LP
19 - (ulong)3 LP

20 - (ulong)4
21 - (ulong)4
22 - (ulong)4
23 - (ulong)4
24 - (ulong)4 LP
25 - (ulong)4 LP

26 - (ulong)5
27 - (ulong)5
28 - (ulong)5
29 - (ulong)5
30 - (ulong)5 LP
31 - (ulong)5 LP

32 - (ulong)6
33 - (ulong)6
34 - (long)6
35 - (ulong)6
36 - (ulong)6 LP
37 - (ulong)6 LP
38 - (ulong)7
39 - (ulong)7
40 - (ulong)7
41 - (long)7
42 - (ulong)7 LP
43 - (long)7 LP
44 - (ulong)8
45 - (ulong)8
46 - (ulong)8
47 - (ulong)8
48 - (ulong)8 LP
49 - (ulong)8 LP
50 - (ulong)9
51 - (ulong)9
52 - (ulong)9
53 - (ulong)9
54 - (ulong)9 LP
55 - (ulong)9 LP
value = object.GetDataValue (Type, index)

type

• type:

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
ElwInvest

(ELW)
Request/Reply
X
SB/PB  ElwUnderCur
CYBOS  [7721 ]
cpsysdib.dll
Method

object.SetInputValue(type, value)

  type  value

- **type:**
  
    0 - (string)
    1 - (char)

    '1'
    '2'

    2 - (ushort)

- **value:**

  value = object.GetHeaderValue(type)

  type

  - **type:**  0 - (string)
    1 - (char)
    2 - (ushort)

  - :

    value = object.GetDataValue (Type, index)

    type

    - **type:**

      0 - (ulong)
1 - (float)
2 - (float)
3 - (float)
4 - (float)
5 - (float) Moneyness
6 - (string) Moneyness("ITM","OTM")
8 - (float)
9 - (float)
10 - (float)
11 - (float)

- 

object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**()

**Blocking Mode**

**Event**

Object.**Received**
ElwUnderCur

(ELW)
Subscribe/Publish

RQ/RP   Elw

CYBOS  [7721 ]
cpsysdib.dll
Method
object.SetInputValue(type,value)

type  value

- **type:**

  0 - (string) Elw

- **value:**

  value = object.getHeaderValue(type)

  type
  
  type:
  
  0 - (string) Elw
  1 - (string) Elw
  2 - (ulong)
  3 - (float)
  4 - (float)
  5 - (float)
  6 - (float)
  7 - (float)
  8 - (float) Moneyness
  9 - (string) Moneyness ("ITM","OTM")
  15 - (float)
  16 - (long)
  17 - (float)
  18 - (float)
  19 - (float)
  20 - (float)
  21 - (float)
  **22 - (float)***
value = object.GetDataValue (Type,index)

type

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event

Object.Received
CpSvr7726

(ELW)  
Request/Reply
X

SB/PB  X

CYBOS  [7726 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)

- **type:**
  
  0 - (string)

- **value:**

value = object.GetHeaderValue(type)

- **type:**
  
  0 - (string)
  1 - (short)

- **:**

value = object.GetDataValue (Type, index)

- **type:**
  
  0 - (long)
  1 - (long)
  2 - (char)
'2'
'3'
'5'

3 - (long)
4 - (float)
5 - (long)
6 - (long)LP
7 - (long)LP
8 - (float)LP
9 - (long)
10 - (long)
11 - (float)

: object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event
Object.Received
CpSvr7748

(ELW)  
Request/Reply
X

SB/PB  X

CYBOS [7748 ELW ]
cpsysdib.dll
**Method**

`object.SetInputValue(type, value)`

**type**  **value**

- **type:**
  
  0 - (char)

  `'1'`

  `'2'`

- **value:**

  `value = object.GetHeaderValue(type)`

  **type**

- **type:** 0 - (short)

- : 

  `value = object.GetDataValue (Type, index)`

  **type**

- **type:**

  0 - (long)

  1 - (long)

  2 - (long)

  3 - (long)

  4 - (long)
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event
Object.Received
CmeMst

CME
Request/Reply
X

SB/PB  CmeCurr

CYBOS  [9431 CME ] CME
cpsysdib.dll
Method
object.SetInputValue(type,value)

type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
  type

- type:
  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (ulong)
  5 - (ushort)
  6 - (ulong)
  7 - (ulong)
  8 - (char)

'1'
'2'
9 - (float)
10 - (float)
11 - (float)
12 - (float)
13 - (ulong)
14 - (ulong)
15 - (ulong)
16 - (ulong)
17 - (char)
18 - (float)
19 - (float)
20 - (float)
21 - (float)
22 - (ulong)
23 - (ulong)
24 - (ulong)
25 - (float)
26 - (ulong)
27 - (ulong)
28 - (ulong)
29 - (ulong)
30 - (float)
31 - (string)
32 - (float)
33 - (float)
34 - (float) basis
    35 - (ulong)
36 - (ulong)
37 - (float)
38 - (float)
39 - (ulong)
40 - (ulong)
41 - (ulong)
42 - (ulong)
43 - (float)
44 - (float)
45 - (float)
46 - (ulong)
47 - (float) 1
48 - (ulong) 1
49 - (float) 2
50 - (ulong) 2
51 - (float) 3
52 - (ulong) 3
53 - (float) 4
54 - (ulong) 4
55 - (float) 5
56 - (ulong) 5
57 - (ulong)
58 - (float) 1
59 - (ulong) 1
60 - (float) 2
61 - (ulong) 2
62 - (float) 3
63 - (ulong) 3
64 - (float) 4
65 - (ulong) 4
66 - (float) 5
67 - (ulong) 5
68 - (ulong)
69 - (ushort) 1
70 - (ushort) 2
71 - (ushort) 3
72 - (ushort) 4
73 - (ushort) 5
74 - (ulong)
75 - (ushort) 1
76 - (ushort) 2
77 - (ushort) 3
78 - (ushort) 4
79 - (ushort) 5
• : 

value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()
   0

object.BlockRequest()
   .Blocking Mode
Event
Object. Received
CmeBid

CME
Request/Reply
X
SB/PB  CmeCurr
CYBOS  [9431 CME ] CME
cpsysdib.dll
Method
object.SetInputValue(type, value)

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)

- type:
  0 - (string)
  1 - (ushort)
  2 - (float)
  3 - (float)

- : 

  value = object.GetDataValue(Type, Index)

- type:
  0 - (ulong)
  1 - (float)
  2 - (float)
  3 - (float)
4 - (float)
5 - (float) basis
6 - (ulong)
7 - (float)
8 - (ulong)
9 - (ulong)
10 - (char)

'R'
'B'

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()
  0
object.BlockRequest()
  .Blocking Mode
Event
Object: Received
CmeDaily

CME
Request/Reply
X
SB/PB CmeCurr
CYBOS [9431 CME ] CME
cpsysdib.dll
Method

object.SetInputValue(type,value)

type  value

- type:
  0 - (string)

- value:

  value = object.GetHeaderValue(type)

type

- type:
  0 - (string)
  1 - (ushort)

- :

  value = object.GetDataValue(Type,Index)

type

- type:
  0 - (ulong)
  1 - (float)
  2 - (float)
  3 - (float)
4 - (float)
5 - (float)
6 - (ulong)
7 - (ulong)
8 - (ulong)
9 - (float)
10 - (float) basis
11 - (float) CME
12 - (float) CME
13 - (float) CME
14 - (float) CME
15 - (float) CME
16 - (ulong) CME
17 - (ulong) CME
18 - (ulong) CME
19 - (float) CME
20 - (float) CME basis

- index: data index
- : index data

object.Subscribe()
object.Unsubscribe()

test.Request()

object.BlockRequest().Blocking Mode
Event
Object.**Received**

**Property**
Object.**Continue(/)**

Data Data .(True: , False: )
Continue True Data Data Data .
Continue True , Data Continue False Data Data .
CmeCurr

CME
Subscribe/Publish

RQ/RP CmeMst

CYBOS [9431 CME ] CME
cpsysdib.dll
Method

object.SetInputValue(type, value)

- type:
  0 - (string)

- value:

  value = object.GetHeaderValue(type)

  type

- type:

  0 - (string)
  1 - (float)
  2 - (float)
  3 - (float) basis
  4 - (float)
  5 - (float)
  6 - (float)
  7 - (float)
  9 - (ulong)
  10 - (ulong)
  11 - (ulong)
  12 - (ulong)
  13 - (float)
  14 - (float) 1
  15 - (ulong) 1
  16 - (float) 2
  17 - (ulong) 2
18 - (float) 3
19 - (ulong) 3
20 - (float) 4
21 - (ulong) 4
22 - (float) 5
23 - (ulong) 5
24 - (float)
25 - (float) 1
26 - (ulong) 1
27 - (float) 2
28 - (ulong) 2
29 - (float) 3
30 - (ulong) 3
31 - (float) 4
32 - (ulong) 4
33 - (float) 5
34 - (ulong) 5
35 - (ulong)
36 - (ulong) 1
37 - (ulong) 2
38 - (ulong) 3
39 - (ulong) 4
40 - (ulong) 5
41 - (ulong)
42 - (ulong) 1
43 - (ulong) 2
44 - (ulong) 3
45 - (ulong) 4
46 - (ulong) 5

•

•
value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event
Object.Received
CmeBidOnly

CME 1
Subscribe/Publish

RQ/RP  CmeMst

CYBOS  [9431 CME ] CME
cpsysdib.dll
**Method**

object.SetInputValue(type,value)

type   value

- **type:**
  
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  
  0 - (string)
  1 - (float) 1
  2 - (ulong) 1
  3 - (float) 1
  4 - (ulong) 1
  5 - (ushort) 1
  6 - (ushort) 1

- **:**

  value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()

Event
Object.Received
CmeMo

CME .
Subscribe/Publish

RQ/RP  CmeMst

CYBOS  [9431 CME ] CME
cpsysdib.dll
**Method**

```csharp
object.SetInputValue(type, value)
```

- `type`:  
  0 - (string)

- `value`:  
  ```csharp
  value = object.GetHeaderValue(type)
  ```

- `type`:  
  ```csharp
  0 - (string)
  1 - (ulong)
  ```

- `:`  
  ```csharp
  value = object.GetDataValue (Type, index)
  ```

```csharp
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
```

**Event**

```csharp
Object.Received
```
EurexMst

Eurex (. .)
Request/Reply
SB/PB  EurexCurOnly,, EurexJpBid
CYBOS  [9741] EUREX
cpsysdib.dll
Method

object.SetInputValue(type,value)

type  value

- **type:**
  
  0 - (string)

- **value:**

  value = object.GetHeaderValue(type)

  type

  - **type:**

    0 - (string)
    1 - (float)
    2 - (float)
    3 - (float)
    4 - (float)
    5 - (float)
    6 - (float)
    7 - (ulong)
    8 - (float)
    9 - (ulong)
   10 - (ulong)
   11 - (char): '1', '2'
   12 - (ulong)
   13 - (ulong)
   14 - (string)
   15 - (float)
   16 - (float)
   17 - (float)
   18 - (float)
   19 - (float)
   20 - (float)CME
value = object.GetDataValue (Type, index)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()

Event
Object.Received
EurexCurOnly

Eurex .( .)

Subscribe/Publish

RQ/RP  EurexMst

CYBOS  [9741] EUREX
cpSysdib.dll
Method
object.SetInputValue(type,value)

type value

- **type:**

  0 - (string)

- **value:**

  value = object.GetValueHeader(type)

type

- **type:**

  0 - (string)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (float)
  6 - (float)
  7 - (ulong)
  8 - (ulong)
  9 - (float)
  10 - (ulong)
  11 - (float)
  12 - (ulong)
  13 - (ulong)
  14 - (ulong)
  15 - (char): '1', '2'

- **:**

  value = object.GetDataValue(Type,index)
object.Subscribe()
    0
object.Unsubscribe()
    0
object.Request()

object.BlockRequest()
Event
Object Received
EurexJpbid

Eurex .( .)
Subscribe/Publish

RQ/RP  EurexMst
CYBOS  [9741] EUREX
cpSysdib.dll
Method

object.SetInputValue(type,value)

type  value

- type:
  0 - (string)

- value:
  value = object.GetHeaderValue(type)
  type

- type:
  0 - (string)
  1 - (ulong)
  2 - (float)1
  3 - (float)1
  4 - (float)2
  5 - (float)2
  6 - (float)3
  7 - (float)3
  8 - (float)1
  9 - (float)1
  10 - (float)2
  11 - (float)2
  12 - (float)3
  13 - (float)3

  : 

  value = object.GetDataValue (Type,index)

object.Subscribe()
object.Unsubscribe()

object.Request()

object.BlockRequest()
Event
Object: Received
EurexBid

EUREX .
( .)
Request/Reply O
SB/PB EurexCurOnly
CYBOS [9741 EUREX ]
cpsysdib.dll
**Method**

object.SetInputValue(type, value)

- **type:**
  - 0 - (string)
  - 1 - (usort)

- **value:**
  
  value = object.GetHeaderValue(type)

- **type:**
  - 0 - (string)
  - 1 - (ushort)
  - 2 - (ulong)
  - 3 - (ulong)

- **:**

  value = object.GetDataValue(Type, Index)

- **type:**
  - 0 - (ulong)
  - 1 - (float)
  - 2 - (float)
  - 3 - (float)
4 - (float)  
5 - (ulong)  
6 - (ulong)  
7 - (char)  

'R'
'B'

- index: data index
- : index data

object.Subscribe()  
object.Unsubscribe()  
object.Request()  
0  
object.BlockRequest()  
.Blocking Mode
Event
Object: Received
EurexDaily

EUREX .
( .)
Request/Reply
O
SB/PB EurexCurOnly
CYBOS [9741 EUREX ]
cpsysdib.dll
**Method**

object.SetInputValue(type, value)

type value

- **type:**
  
  0 - (string)

- **value:**
  
  value = object.GetHeaderValue(type)

- **type:**
  
  0 - (string)
  1 - (short)

- **:**
  
  value = object.GetDataValue(Type, Index)

- **type:**
  
  0 - (ulong)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (float)
  5 - (float)
6 - (ulong)

- index: data index
- : index data

object.Subscribe()

object.Unsubscribe()

object.Request()
  0
object.BlockRequest()
  .Blocking Mode
**Event**

Object.**Received**

---

**Property**

Object.**Continue(/)**

Data Data .(True: , False: )

Continue True Data Data Data .

Continue True , Data Continue False Data Data .
K200Expect

.  

Subscribe/Publish

RQ/RP

CYBOS

cpsysdib.dll
**Method**

object.SetInputValue(type, value)

value = object.GetHeaderValue(type)

type

- **type:**

  0 - (ulong) 1 - (ulong) KOSPI200
  2 - (long) KOSPI200
  3 - (ulong)
  4 - (long)
  5 - (long) BASIS
  6 - (ulong) KOSPI
  7 - (ulong) KOSPI
  8 - (ulong) KOSDAQ
  9 - (long) KOSDAQ
  10 - (ulong) KOSTAR
  11 - (long) KOSTAR

- **:**

value = object.GetDataValue(Type, index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

**Event**

Object.Received
MarketEye

,,/ .
Request/Reply
X

SB/PB  StockCur, FutureCurOnly,
       OptionCurOnly

CYBOS  [7059] MarketEye
cpysdib.dll
Method

object.SetInputValue(type, value)

type  value

- type:

  0 - (long or long array)  . 64

    0:(string)
    1:(ulong) - hhmm
    2:(char)

    '1'
    '2'
    '3'
    '4'
    '5'

  3:(long or float) - ) (2)
  4:(long or float)
  5:(long or float)
  6:(long or float)
  7:(long or float)
  8:(long or float)
  9:(long or float)
  10:(ulong)
  11:(ulonglong) - :
  12:(char or empty)
'0'
'1'
'2'
13:(ulong)
14:(ulong)
15:(ulong)
16:(ulong)
17:(string)
20:(ulonglong) - :
21:(float)
22:(ulong)
23:(long or float)
24:(float)
25:(char or empty)

'1'
'2'
27:(long)
28:(long)
29:(long) - ) (30)
30:(char or empty)

'1'
'2'
'3'
'4'
'5'
31:(ulong)
32:19(long or float)
33:(long or float)
34:(long or float)
35:(ushort)
36:(char or empty)

'+'

'-'

37:(long) - ) (36)
38:(long)
39:(long)
40:(long)
41:(long)
42:(long)
43:(long)
44:(ulong)
45:(ulonglong) - :
46:(ulong)
47:(ulong)
48:(ulong)
49:(ulong)
50:(float)
51:(char or empty)

'1'

'2'
53: (char)

'1'

'2'

54: (long)

55: (long) - ) (56)

56: (char or empty)

'1'

'2'

'3'

'4'

'5'

57: (ulong)

59: (long)

60: (long)

61: (long)

62: (long)

63: 52 (long or float)

64: 52 (long or float)

65: (long or float)

66: (long or float)

67: PER (float)

68: (ulong)

69: (ulong)

70: EPS (ulong)

71: (ulonglong) - :

72: (ushort)
<table>
<thead>
<tr>
<th></th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>73</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>float</td>
<td></td>
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<tr>
<td>76</td>
<td>float</td>
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<td>77</td>
<td>float</td>
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<td>78</td>
<td>float</td>
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<tr>
<td>79</td>
<td>float</td>
<td></td>
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<tr>
<td>80</td>
<td>float</td>
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</tr>
<tr>
<td>81</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>82</td>
<td>VR(float)</td>
<td></td>
</tr>
<tr>
<td>83</td>
<td>float</td>
<td>5</td>
</tr>
<tr>
<td>84</td>
<td>ulong</td>
<td>4</td>
</tr>
<tr>
<td>85</td>
<td>ulong</td>
<td>9</td>
</tr>
<tr>
<td>86</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
<tr>
<td>87</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
<tr>
<td>88</td>
<td>ulonglog</td>
<td>- :</td>
</tr>
<tr>
<td>89</td>
<td>BPS(ulong)</td>
<td>-</td>
</tr>
<tr>
<td>90</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>91</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
<tr>
<td>92</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>93</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>94</td>
<td>float</td>
<td></td>
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<tr>
<td>95</td>
<td>ulong</td>
<td>yyyyymm</td>
</tr>
<tr>
<td>96</td>
<td>BPS(ulong)</td>
<td>-</td>
</tr>
<tr>
<td>97</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>98</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>99</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td>float</td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
<tr>
<td>102</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
<tr>
<td>103</td>
<td>ulonglong</td>
<td>- :</td>
</tr>
</tbody>
</table>
104:(ulonglong) - :
105:(float)
106:(float)
107:ROE(float) -
108:(float)
109:(float)
110:(float)
111:(ulong) - yyyymm
112:BASIS(float)
113:(ulong) - yyyymddd
114:(string) -
115:ELW(ulong)
116:(long)
117:(char)

'\0'(0)
'1'
'2'
118:(long)
119:(char)

'\0'(0)
'1'
'2'
120:(long)
121:(long)
122:(long)
123:SPS(ulong)
124: CFPS(ulong)
125: EBITDA(ulong)
126: (float)
127: (ulong)
128: (ulong)
129: ELW e-(float)
130: ELW LP(ulong)
131: ELW LP(float)
132: ELW LP Moneyness(float)
133: ELW LP Moneyness(char)

'1' ITM
'2' OTM
'

134: ELW (float)
135: ELW (float)
136: ELW (float)
137: ELW (float)
138: ELW (ulong)
139: ELW (float)
140: ELW (float)
141: ELW (float)
142: ELW (float)
143: ELW (float)
144: ELW (float)
145: ELW (float)
146: ELW (float)

1 - (string or string array) . 200 .
) ) JP#NI225:
2 - (char)

'1' (default)
'2'

• value:
value = object.GetHeaderValue(type)
type

• type:
  0 - (long)
  1 - (string array)
  2 - (long)

• :
value = object.GetDataValue (Type,index)
type

• type: index -

• index: index

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
  .Blocking Mode

Event
Object.Received
WorldCur

Subscribe/Publish

RQ/RP  CpSvr8300, CpFore8311

CYBOS  [8300  8311]
cpsysdib.dll
Method

object.SetInputValue(type,value)

type  value

- **type:**

  0 - (string)  -  [ list CpUtil CpUsCode ]

- **value:**

  value = object/HeaderValue(type)

type

- **type:**

  0 - (string)
  1 - (float)
  2 - (float)
  3 - (float)
  4 - (ulong)
  5 - (float)
  6 - (float)
  7 - (float)
  8 - (float) 52
  9 - (float) 52
  10 - (float) 52
  11 - (long) (: 00 )
  12 - (long) - yyyyMMdd

- :

  value = object.GetDataValue (Type,index)
object.\texttt{Subscribe}()

object.\texttt{Unsubscribe}()

object.\texttt{Request}()

object.\texttt{BlockRequest}()

\textbf{Event}

Object.\texttt{Received}
CpSvr3744

. Request/Reply X
SB/PB  X
CYBOS  [3744 My Index]
cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**

  0 - (string) (ex: "A000660A003540"  50 .)

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0 - (short)

- **:**

  value = object.GetDataValue (Type,index)
type

- **type:**

  0 - (string) 1 - (float)
  2 - (float)
  3 - (float)

  object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
.Blocking Mode

Event
Object.Received
CpSvr7037

. ( . )
Request/Reply
O
SB/PB   K200Expect
CYBOS   [7037 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)

value = object.GetHeaderValue(type)
type

- **type:**
  0 - (short)

value = object.GetDataValue (Type, index)
type

- **type:**
  0-(ulong)
  1-(ulong) KOSPI200
  2-(long) KOSPI200
  3-(ulong)
  4-(long)
  5-(long) BASIS
  6-(ulong) KOSPI
  7-(ulong) KOSPI
  8-(ulong) KOSDAQ
  9-(long) KOSDAQ
  10-(ulong) KOSTAR
  11-(long) KOSTAR

- **index: data index**

object.Subscribe()

object.Unsubscribe()
object.Request()

object.BlockRequest().Blocking Mode

Event

Object.Received
CpSvr7043
: , (,,,)

CpSvr7043, CybosPlus, CpSvrNew7043.

HTS 7043 CybosPlus CpSvrNew7043.

CYBOS:
: Request/Reply
: CpSysDib.dll
Method
object.SetInputValue(type, value)
type value

- type:

  0 - (char)
    '1'
    '2'
    '3'

  1 - (char)
    '1'
    '2'
    '3'
    '4'
    '5'
    '6'
    '7'
    '8'
    '9'

  2 - (char)
'1'
'2'
4 5

3 - (short)

11
12
21
22
31   0
32   0
41   0
42   0

4 - (char)

'1'
'2'

5 - (char)

'0'  1
'1'  1
'2'  5
'3' 10
'4'  50
'5'  100
6 - (char)

[] Type 1 .

'1':5 '2':20 '3':60 '4':
, 5:52
, '0': '1': '2':

• value:

value = object.**GetValue** (type)
type

• type:

0 - (short)
1 - (string)
2 - (long)
3 - (short)

• :

value = object.**GetDataValue** (Type, index)
type

• type:

0 - (string)
object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
.Blocking Mode
Event
Object.Received
CpSvrNew7043

, (,, )

Request/Reply

O

SB/PB

CYBOS [7043 ]

cpsysdib.dll
**Method**

```
object.SetInputValue(type, value)
```

type  value

- **type:**

  0 - (char)

  `'0' +

  `'1'

  `'2'

  `'3'

  1 - (char)

  `'1'

  `'2'

  `'3'

  `'4'

  `'5'

  `'6'

  `'7'

  `'8'

  `'9'

  2 - (char)
'1'
'2'

[ ] Type 1 , , , ,

3 - (short)

11
12
21
22
31   ()
32   ()
41
42
51
52
61
62

[ ] 51, 52, 61, 62 Type 1 '6', '7'

4 - (char)
'1'
'2'

5 - (char)

'0'
'1' 1
'2' 5
'3' 10
'4' 50
'5' 100

6 - (char)

[] Type 1

'1':5 '2':20 '3':60 '4':
', '5':52
', '0': '1': '2':

7 - (short) ( , )
8 - (short) ( , )

• value:

value = object.**GetHeaderValue**(type)
type

  • type:

  0 - (short)
  1 - (short)

  • :

  value = object.GetType(index)

  type

  • type:
    0 - (string)
    1 - (string)
    2 - (long)
    3 - (char)

    '1'
    '2'
    '3'
    '4'
    '5'
    '6'
    '7'
    '8'
    '9'
type
7 - (long)
8 - (long)
9 - (long, float)
10 -(long)

object.Subscribe()

object.Unsubscribe()

object.Request()
, (,, )
object.BlockRequest().Blocking Mode

Event
Object.Received
CpSvr7063

Request/Reply
O
SB/PB  StockCur
CYBOS  [7063 ]
cpsysdib.dll
Method

object.SetInputValue(type, value)

type value

- type:

  0 - (char)

    '0'
    '1'
    '2'

  1 - (char)

    '1'
    '2'
    '3'
    '4'
    '5'
    '6'

- value:

  value = object.GetHeaderValue(type)

type

  - type: 0 - (long)


value = object.GetDataValue (Type,index)

type

- **type:**

  0 - (string)
  1 - (string)
  2 - (string)
  3 - (char) flag

    '1'
    '2'
    '3'
    '4'
    '5'
    '6'
    '7'
    '8'
    '9'

  4 - (long)
  5 - (long)
  6 - (long)
  7 - (long)
8 - (long)

- 

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event

Object.Received
CpSvr7066

, Request/Reply
O
SB/PB StockJpBid
CYBOS [7066 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)
type  value

- **type:**

  0 - (string)
  1 - (short)

      1   1
      5   5
     10  10

  2 - (char)

      '0'
      '1'

- **value:**

  value = object.GetHeaderValue(type)
type

  - **type:** 0 - (string)
    1 - (long)

  - :
value = object.GetDataValue (Type, index)

- type:
  0 - (short)
  1 - (long)
  2 - (long)
  3 - (float)
  4 - (long)
  5 - (long)
  6 - (long)
  7 - (double)

- :
  object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
 .Blocking Mode
Event
Object.Received
CpSvr7068

.

Request/Reply
O

SB/PB X

CYBOS [7068 ]
cpsysdib.dll
Method

object.SetInputValue(type, value)

type  value

- type:

  0 - (char)

    '0'
    '1'
    '2'

  1 - (char)

    '1'
    '2'
    '3'
    '4'
    '5'
    '6'
    '7'
    '8'
    '9'

  2 - (short)

    11
value:

value = object.\texttt{GetValueHeader(type)}

type:

\begin{itemize}
\item 0 - (long)
\item 1 - (long)
\item 2 - (long) 100
\item 3 - (long) 100
\item 4 - (long)
\item 5 - (long)
\item 6 - (long)
\item 7 - (long)
\item 8 - (long)
\end{itemize}
value = object.GetDataValue (Type, index)

**type:**

0 - (string)
1 - (string)
2 - (string)
3 - (char) flag
4 - (float)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (long)

object.Subscribe()

object.Unsubscribe()

object.Request()
object.BlockRequest()
.Blocking Mode
Event
Object.Received
CpSvrNew7212

(,,, ) (,,)

Request/Reply

X

SB/PB  X

CYBOS  [7212 ]

cpsysdib.dll
Method
object.SetInputValue(type,value)
type  value

- type:

0 - (short)

<table>
<thead>
<tr>
<th>type</th>
<th>value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>6</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>6</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>

1 - (long) : 0

2 - (long) : 0

- value:

value = object.GetHeaderValue(type)
type

- type:
value = object.GetDataValue (Type,index)

• type:

0 - (string)
1 - (long)
2 - (long)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)

• :

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

.Blocking Mode
Event
Object. Received
CpSvrNew7215A

/ Request/Reply X
SB/PB X
CYBOS [7215 ()]
cpsysdib.dll
Method
object.SetInputValue(type, value)
type  value

- **type:**

  0 - (char)

  - '0'
  - '1'
  - '2'

  1 - (char)

  - '0'
  - '1'
  - '2'
  - '3'
  - '4'
  - '2'  3
  - '3'  6
  - '4'  1

  2 - (long) : 0

  3 - (long) : 0

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**
0 - (long)
   1 - (long)
   2 - (long)

• :

value = object.GetDataValue (Type,index)
type

• type:

0 - (string)
1 - (string)
2 - (long)
3 - (long)
4 - (string)
5 - (string)
6 - (long)
7 - (long)

• :

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
  .Blocking Mode
Event
Object Received
CpSvrNew7215B

/ Request/Reply
X

SB/PB  X

CYBOS  [7219  ] 

cpsysdib.dll
Method
object.SetInputValue(type,value)

- type:

  0 - (char)

    '1'
    '2'

  1 - (char)

    '1'
    '2'

  2 - (char)

    '0'
    '1'
    '2'     3
    '3'     6
    '4'     1

  3 - (long)

  4 - (long)
• value:

value = object.**GetValue(type)**

• type:

0 - (long) 1 - (long) 2- (long)

• :

value = object.**GetDataValue (Type, index)**

• type:

0- (string) 1- (string) 2- (long) /
3- (long) /
4- (long)
5- (long)
6- (long)
7- (float)

• :

object.**Subscribe()**

object.**Unsubscribe()**
object.Request()

object.BlockRequest()
  .Blocking Mode

Event
Object.Received
CpSvrNew7216

<table>
<thead>
<tr>
<th></th>
<th>Request/Reply</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB/PB</td>
<td>X</td>
</tr>
<tr>
<td>CYBOS</td>
<td>7216 /</td>
</tr>
</tbody>
</table>

cpsysdib.dll
Method

object.SetInputValue(type, value)

type value

- type:

0 - (string)

- value:

  value = object.GetHeaderValue(type)

  type

- type:

  0 - (string)
  1 - (short)
  2 - (long)

  :

  value = object.GetDataValue (Type, index)

  type

- type:

  0 - (long)
  1 - (long)
  2 - (char) flag
1
2
3
4
5
6
7
8
9

3-(long)
4- (float)
5- (long)
6- (long)
7- (long)
8- (long)
9- (float)

• : index

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()
.Blocking Mode

**Event**

Object **Received**
CpSvrNew7221
.
  Request/Reply
  X
SB/PB    CpSvrNew7221S
CYBOS    [7221 ]
cpsysdib.dll
:
  CYBOS :
  : Request/Reply
  : CpSysDib.dll
Method
object.SetInputValue(type,value)
type value

- type:

  0 - (char) /

  '1'
  '2'
  '3'
  '4'

- value:

  value = object.GetHeaderValue(type)
type

  - type:

    0 - (long) ()

    1 - (short) , , , , , , , , , , CD, , , , , , , CME, , 3, 5, 10(26)

    2 - (byte) /

    - :

      value = object.GetDataValue (Type,index)
type
• type:

0 - (long)
1 - (long)
2 - (long)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long) (:)
10 - (long) (:)
11 - (long) (:)
12 - (long)
13 - (long)
14 - (long)
15 - (long)
16 - (long)
17 - (long)
18 - (long)
19 - (long)
20 - (long)
21 - ((long) (:)
22 - (long) (:)
23 - (long) (:)
24 - (long) (:)
25 - (long) (:)
26 - (long) (:)
27 - (long) (:)
28 - (long) (:)
29 - (long) (:)
30 - (long) 2
31 - (long) 2
32 - (long) 2
33 - (long) 2(: 2)
34 - (long) 2
35 - (long) 2
36 - (long) 2
37 - (long) 2(: 2)
38 - (long) 2(: 2)
39 - (long) 2(: 2)
40 - (long)
41 - (long)
42 - (long)
43 - (long) 2
44 - (long)
45 - (long)
46 - (long)
47 - (long) 2
48 - (long)
49 - (long)
50 - (long)
51 - (long) 2

- **index: data index**

0 -
1 -
2 -
3 -
4 -
5 -
6 -
7 -
8-
9 - 3()
10- 5()
11 - 10()
12 - CD()
13 - 0
14 - 0
15 - 0
16 - 0
17 - 0
18 - 0
object.\texttt{Subscribe}()

object.\texttt{Unsubscribe}()

object.\texttt{Request}()

object.\texttt{BlockRequest}()
  .\texttt{Blocking Mode}
\textbf{Event}
Object.\texttt{Received}
CpSvrNew7222

(,,) (,,)
Request/Reply
O

SB/PB  CpSvrNew7221S
CYBOS  [7222 ]
cpsysdib.dll
Method

object.SetInputValue(type,value)

- type:

  0 - (char)

    'A'
    'B'
    'C'
    'D'
    'E'
    'F'
    'G'
    'J'
    'K'
    'N'
    'O'
    'P'
    'Q'
    'R'
    'S'
    'T'
<table>
<thead>
<tr>
<th>Character</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>'U'</td>
<td>0</td>
</tr>
<tr>
<td>'V'</td>
<td>0</td>
</tr>
<tr>
<td>'W'</td>
<td>0</td>
</tr>
<tr>
<td>'X'</td>
<td>0</td>
</tr>
<tr>
<td>'Y'</td>
<td>0</td>
</tr>
<tr>
<td>'Z'</td>
<td>CME</td>
</tr>
</tbody>
</table>

1 - (short)

<table>
<thead>
<tr>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>4</td>
</tr>
<tr>
<td>5</td>
</tr>
<tr>
<td>6</td>
</tr>
<tr>
<td>7</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>9</td>
</tr>
<tr>
<td>10</td>
</tr>
<tr>
<td>11</td>
</tr>
<tr>
<td>12</td>
</tr>
<tr>
<td>13</td>
</tr>
</tbody>
</table>
2 - (char)

   '1'
   '2'

3 - (long()())

4 - (char)/ ( )

   '1'
   '2'

- **value:**

  value = object.\texttt{GetHeaderValue(type)}

- **type:** 0 - (short)

- : 

  value = object.\texttt{GetDataValue (Type,index)}

- **type:**

  []
< 0:>
 0 - (long)
 1 - (long)
 2 - (long)
 3 - (long)
 4 - (long) (;)
 5 - (long)
 6 - (long)
 7 - (long)
 8 - (long) (;)
 9 - (long) (;)
 10 - (long) (;)
 11 - (long), (;
 12 - (long)

< A:>
 0 - (long)
 1 - (long)
 2 - (long)
 3 - (long)
 4 - (long)
 5 - (long)
 6 - (long)
 7 - (long)

< >
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event
Object.Received
CpsvrNew7224

(,,)

(,,) Request/Reply O

SB/PB CYBOS [7224 ]

cpsysdib.dll
Method

object.SetInputValue(type,value)

type  value

- type:

  0 - (char)

    '1'
    '2'

  1 - (char)

    'A'
    'B'
    'C'
    'D'
    'E'
    'F'
    'G'
    'J'
    'K'
    'N'

  3 - (char)

    'O'
    'P'

  5 - (char)

    3()
    5()
    10()
'Q' CD()
'R' 0
'S' 0
'T' 0
'U' 0
'V' 0
'W' 0
'X' 0
'Y' 0
'Z' CME

2 - (short)

0
1
2
3
4 (:)
5
6
7
8 (;)
9 (;)
10  
11 
12 
13 

3 - (char)/

'1'
'2'

4 - (char)/

'1'
'2'

5 - (long)

0
1  1
2  2
3  3
4  6
5  5
6
6 - (long) : 5
7 - (long) : 5
8 - (char)

'value:

value = object.**GetValue**(*type*)

**type**:

0 - (char)
1 - (char)
2 - (string)
3 - (long)
4 - (long)
5 - (short)

:'1'
:'2'

- **type**:

value = object.**GetDataValue**(*Type,index*)

**type**:

[]
<**A**:
0 - (long)
1 - (long)
2 - (long)
object.Subscribe()

object.Unsubscribe()
object.Request()

object.BlockRequest().Blocking Mode

Event
Object.Received
CpSvr7254

/, /

Request/Reply

O

SB/PB

CYBOS  [7254 ( )]

cpsysdib.dll
Method
object.SetInputValue(type, value)

- type:

  0 - (string)
  1 - (short) (0: 1:1,, 2:2 3:3 4:6,5:5 6:)
  2 - (long) : 0
  3 - (long) : 0
  4 - (char)

     '0'
     '1'

  5 - (short)

     0
     1
     2
     3
     4
     5
     6
     7
     8
     9
• value:

value = object.\texttt{GetHeaderValue(type)}

type

• type:

0 - (string)
1 - (long)

• :

value = object.\texttt{GetDataValue(Type,index)}

type

• type:

< 0: >

0 - (long)
1 - (long)
2 - (long)
3 - (long) ( + ) (: )
4 - (long) (: )
5 - (long)
6 - (long)
7 - (long)
8 - (long) ( :/ )
9 - (long) ( :/ )
10 - (long) ( - ) ( : ( - ) )
11 - (long)
12 - (long)
13 - (long)

< >
0 - (long)
1 - (long)
2 - (double)
3 - (long) ()
4 - (double)
5 - (long)
6 - (double)
7 - (long) ()
8 - (double)
9 - (long)
10 - (long) ()

• :
object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**() .Blocking Mode

**Event**
Object.**Received**
CpSvr8114

/ 1445

Request/Reply

O

SB/PB

CYBOS [8114 ]

cpsysdib.dll
**Method**

`object.SetInputValue(type, value)`

- **type:**
  - 0 - (char)
    - '1'
    - '2'
  - 1 - (char)
    - '1'
    - '2'
    - '3'
    - '4'
    - '5'
    - '6'
    - '7'
    - '8'
    - '9'
    - 'A'
    - 'B'
    - 'C'
'D' +

• value:

value = object.GetValue(type)

• type:

0 -(short)

• :

value = object.GetDataValue(Type,index)

type ) Index 0

• type:

0 - (string)
1 - (string)
2 - (long)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)

• : index
object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest().Blocking Mode

Event

Object.Received
CpSvr8548

Request/Reply
O

SB/PB

CYBOS [8548]
cpsysdib.dll
Method

object.SetInputValue(type, value)

type  value

  • type:

0 - (char)

  '1'  KOSPI200
  '2'  KOSDAQ50()
  '3'  KOSDAQ50()
  '4'  KOSDAQ50()
  '5'  KOSTAR

  • value:

value = object.GetHeaderValue(type)

type

  • type:

0 - (short)
1 - (ulong) ()

  :  

value = object.GetDataValue(Type, Index)

type
- **type:**

  0 - (string)
  1 - (string)
  2 - (long)
  3 - (long)
  4 - (float)
  5 - (long)
  6 - (long) (:
  7 - (float)
  8 - (float)
  9 - (float)
  10 - (float) (%)
  11 - (float)

- **index:** data index

- **:** index data

  object.Subscribe()

  object.Unsubscribe()

  object.Request()
      (,, ,)
  object.BlockRequest()
      .Blocking Mode

  **Event**
Object. Received
CpSvr9842

, , ( . )

Request/Reply

X

SB/PB  CpSvr9842S

CYBOS  [9842 ]

cpsysdib.dll
Method

object.SetInputValue(type, value)

- type:
  
  0 - (char)
  
  '1'
  '2'
  '3'

  1 - (char)
  
  '1'
  '2'

  2 - (char)
  
  '1'
  '2'

  3 - (long)

value = object.GetDataValue (Type, index)

- type:
  
  0 - (short)
- **type:**
  
  0-(string)
  1~4  Array .
  Index .
  0, 1, 2, 3, 4, 5, 6,
  7/, 8/, 9 (), 10, 11() 
  1-( long array)
  2-( float array)
  3-( float array)
  4-( float array)

- **index:** data index

object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**()
  .Blocking Mode
**Event**
Object.**Received**
CpSvr9842S

, , ( .)

Subscribe/Publish

RQ/RP  CpSvr9842

CYBOS  [9842 ]

cpsysdib.dll
Method

object.SetInputValue(type, value)

type  value

- type:

  0 - (char)

    '1'
    '2'
    '3'

  1 - (char)

    '1'
    '2'

  2 - (char)

    '1'
    '2'

  3 - (short)

    0
    1
    2
    3
value:

value = object.**GetHeaderValue**(type)

**type:**

0- (short)
1 - (ulong)
2 - (short)

: 

value = object.**GetDataValue**(Type,index)

type

**type:**

0-( string)
1- ( long )
   2- ( float )
   3- ( long)
   4- ( float )

- index: data index

- : index data

object.**Subscribe**()

object.**Unsubscribe**()

object.**Request**()

object.**BlockRequest**()

**Event**
Object.**Received**
CpSvr7326

,   Request/Reply
O

SB/PB

CYBOS [7326 ]
cpsysdib.dll
Method
object.SetInputValue(type, value)

type  value

- **type:**

  0 - (char)

    '0'
    '1'
    '2'

  1 - (char)

    '0'
    '1'
    '2'
    '3'
    '4'

  value:

  value = object.GetHeaderValue(type)

type

  - **type:**

    0 - (short)

    :
value = object.GetDataValue (Type, index)

- **type:**

  0 - (string) 1 - (string)
  2 - (long)
  3 - (char)

  '0'
  '1'
  '2'
  '3'
  '4'

  4 - (long)
  5 - (float)
  6 - (long)
  7 - (long)
  8 - (long)
  9 - (long)
  10 - (long)
  11 - (float)

  object.Subscribe()

  object.Unsubscribe()

  object.Request()
, (,, )

    object.BlockRequest()
    .Blocking Mode

**Event**

Object.**Received**

,
StockOpenSb

.  

Subscribe/Publish

RQ/RP  X

CYBOS  X

cpsysdib.dll
Method
object.SetInputValue(type,value)

value = object.GetHeaderValue(type)
type
   type:
   0 - (string)
   1 - (char)

     'Y'
     'N'

   2 - (char)

     'Y'
     'N'

   3 - (char)

     '0'

     '1'    ( 1)

     '2'    2

     '3'    3

   4 - (char)

     '1'
5 - (char) ELW

'Y'

'N'

- value = object.GetDataValue (Type,index)

object.Subscribe()

object.Unsubscribe()

object.Request()

object.BlockRequest()

Event

Object.Received
[CpTrade_GIANT] Notice

IT
2009 5 4 GIANT(Global Investment And New Trust) .
CybosPlus .

, 
CybosPlus ,
CybosPlus .
CybosPlus .


]

0

Ex) CpTd0311 GetHeaderValue
7 - (string)("0":"1":)

CybosPlus .

.
Ex) CpTd0311 SetInputValue
6 - (string) ()
[ ,
  .
- > Type 8 ]
- .
Ex) CpTd5341 GetDataValue
30 - (string)
- [ ] .
[ ]
  .
Ex) CpTd0311 SetInputValue
8 - (string) [ Type 6
() 00->01 .]
  .
  .
[ ]
  .
Ex) [ - > ]
2 - (string) .
SetInputValue
[Default]

object.SetInputValue(type, value)
6 - (string) (1:, 2:[Default], 3:)
[Default] .
    Default .

SetInputValue [],
GetHeaderValue, GetDataValue [],
ex)
object.SetInputValue(type, value)
7 - (string)
[] []
0 [default]
    IOC
    1
    2 FOK

...
CpTd5331A, CpTd5331B
CpTd9061/CpTd9062 CpTdNew9061
CpTd9064 CpTdNew9064
] 17 CpTrade . . .
. (/, /)

- [ ]
CpTd0311() + CpTd0311 (+)
CpTd0315() -
CpTd0312() + CpTd0312 (+)
CpTd0354() -
CpTd0313() + CpTd0313 (+)
CpTd0316() -
CpTd0314() + CpTd0314 (+)
CpTd0317() -
CpTd0303() + CpTd0303 (+)
CpTd0306() -
-
CpTd0322() + CpTd0322 (+)
CpTd0355()  
CpTd0323() + CpTd0323 (+)
CpTd0359()  
CpTd0326() + CpTd0326 (+)
CpTd0356()  

- CpTd3811 ()  
CpTd5342 ()  

- CpTd9081() + CpTd9081 (+)
CpTd9083()  
CpTd9082() + CpTd9082 (+)
CpTd9084()  

] CpTd0315 ... ,

. ex) A03540 (A+5) -> A003540 (A+6)

.  

2009.1.7.
CpTd0311 ( ), Elw
CpTd0312 ( )
CpTd0313 ( )
CpTd0314 ( )
CpTd0303 ( )
CpTd0732
CpTdNew5331A /
CpTdNew5331B
CpTdNew5339
CpTd5341 /
CpTd5342 /
CpTd6033
CpTd0322 ( )
CpTd0323
CpTd0326

CpTd0386
CpTd0387
CpTd0388
CpTd0389

CpTdNew9061
CpTdNew9064
CpTd9065

CpTd6831
CpTd6832
CpTd6833
CpTd6841
CpTd6842
CpTd6843
CpTd0721F
CpTd0723
CpTd5371  //
CpTd5372
CpTd6197
CpTd6722
CpTd9081  /
CpTd9082  /
CpTd9085  /
CpTdUtil
:

, TradeInit . () .

Property
Value = Object.AccountNumber ( )
TradeInit .
U-CYBOS

Value = Object.GoodsList (string sAcc,int nFilter)
TradeInit .

, CME 2(/) .

-1 :
1:
2: /
16: EUREX
32: FX
64: ex)
3: (1) + /(2)
96: FX (32) + (64)

VB ex)
Dim WorkKey As New CpTdUtil
Dim ar As Variant
If WorkKey.TradeInit(0) = 0 Then
ar = WorkKey.GoodsList(WorkKey.AccountNumber(0), 3)
For i = LBound(ar) To UBound(ar)
    Debug.Print ar(i)
    Next
End If
Method
Value = object.TradeInit(Reserved)

Reserved:
[ ] VB, VBScript
VC default 0
: -1 :
0:
1:
2:
3:

TradeInit .

CybosPlus (ex- CpTd0311) CybosPlus .
Dim CpTdUtil1 As New CpTdUtil
Dim AccNo As Variant
AccNo = CpTdUtil1.AccountNumber '(TradeInit )
MsgBox AccNo(0) '0 .

VC EX)
try {
HRESULT hr = m_pObj.CreateInstance(__uuidof(CpTdUtil));
if (FAILED(hr)) _com_raise_error(hr);
m_pObj->TradeInit(0);
variant_t vArray = m_pObj->GetAccountNumber();
CComSafeArray<VARIANT> sa;
sa.Attach(vArray.Detach().parray);

for (LONG nlb = sa.GetLowerBound(), nub = sa.GetUpperBound(); nlb <= nub; nlb++)
{
    vItem = sa.GetAt(nlb);
    _tprintf(_T("%s\n"), (LPCTSTR)(bstr_t)vItem);
}

CpTd0311
: //ELW ()
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

- **type:**

  0 - (string)

  1

  2

  1 - (string)

  2 - (string)

  3 - (string)

  4 - (long)

  5 - (long)

  6 - (string)

  [ ,

  -> `Type 8` ]"00":() "03": "05": "09": "12": "13": "71": "73":

  7 - (string)

  0 [default]

  1 IOC

  FOK
Type 6

q_00->01.
value:

value = object.GetHeaderValue(type)

type:

• value:

value = object.GetHeaderValue(type)

type

• type:
value = object.GetDataValue (Type, index)

object.BlockRequest()
hts .Blocking Mode
CpDib  CpConclusion object
CpTd0312

: /
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)
type  value

- type:

  0  -  (string)

  1  ()

  2  ()

  1  -  (string)

  33  [default]

  13

  2  -  (string)

  3  -  (string)

  4  -  (string)

  5  -  (long)

  6  -  (long)

  7  -  (string)

  [- ]

  -> Type 10 -> "00": () "03": "05": "09": "12": "13": "71": "73":
8 - (string) ·

0  [default]
1  IOC
2  FOK

9 - (long) ( )

10- (string)
   [ Type 7 .
    (Q_00->01.) ]

01
02
03
05
06
09
12
13
value:
value = object.GetHeaderValue(type)
type

- type:
  0 - (string)
  1 - (string) ("01": "11":)
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (long)
  6 - (long)
    7 - (string)
    [ ,
      -> Type 14...
    ]
  8 - (long)
  9 - (long)
  10 - (string)
  11 - (string)
  12 - (string)
    13 - (string)
<p>| | | |</p>
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<tr>
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<tbody>
<tr>
<td>0</td>
<td>[default]</td>
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<tr>
<td>1</td>
<td>IOC</td>
<td></td>
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<td>2</td>
<td>FOK</td>
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<tr>
<td>14-</td>
<td>(string)</td>
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<tr>
<td>15-</td>
<td>(string)</td>
<td></td>
</tr>
</tbody>
</table>
value = object.GetDataValue (Type,index)

object.BlockRequest()
hts .Blocking Mode

CpDib CpConclusion object
CpTd0313
: //ELW ( )
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**
  
  0 - (string)-(1:2:9:)
  1 - (long)
  2 - (string)
      3 - (string)
  4 - (string)
  5 - (long) (0 , ()
  6 - (long)

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0 - (string)-(1:2:9:)
  1 - (long)
  2 - (string)
      3 - (string)
  4 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
hts.Blocking Mode

CpDib CpConclusion object
CpTd0314
: //ELW ( )
: Request/Reply
: CpTrade.dll
**Method**

`object.SetInputValue(type, value)`

**type**   **value**

- **type:**
  
  0 - (string) ("1": "2": "9";)
  
  1 - (long)
  
  2 - (string)
      
      3 - (string)
  
  4 - (string)
  
  5 - (long) (0, ()

- **value:**

  value = `object.GetHeaderValue(type)`

  **type**

  - **type:**
    
    0 - (string) ("1": "2": "9";)
    
    1 - (long)
    
    2 - (string)
    
    3 - (string)
    
    4 - (string)
    
    5 - (long)
value = object.GetDataValue (Type,index)

object.BlockRequest()
hts .Blocking Mode

CpDib CpConclusion object
CpTd0315

: HTS

- (CpTd0311) (CpTd0315) CpTd0311.

, CpTd0315

- CpTd0315 CpTd0311.

: Request/Reply

: CpTrade.dll
CpTd0316

: **HTS**

- *(CpTd0313) (CpTd0316)* CpTd0313.
- CpTd0316

- CpTd0316 CpTd0313.

: **Request/Reply**

: CpTrade.dll
CpTd0317
: HTS ()
- (CpTd0314) (CpTd0317) CpTd0314.
, CpTd0317

- CpTd0317 CpTd0314.

: Request/Reply
: CpTrade.dll
CpTd0303
: / ( )
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

type    value

- **type:**

0 - (string) ("1": "2": "9";)
1 - (long)
2 - (string)
    3 - (string) ·
    4 - (string)
5 - (long)
6 - (long)
    7 - (string)
        [ ,
        .
    -> **Type 9** ]"00":() "03": "05": "09": "12": "13": "71": "73":
8 - (string) ()

0 [default]
1   IOC
2   FOK
9 - (string)
Type 6.
Q.00->01.

01
02
03
05
06
09
12
13
10
23
25
51
52
61
value:

value = object.GetHeaderValue(type)
type

- type:

  0 - (string) ("1": "2":)
value = object.GetDataValue (Type,index)
object.BlockRequest()
hts .Blocking Mode

CpDib  CpConclusion object
CpTd0306
: HTS
- (CpTd0303) (CpTd0306) CpTd0303.
, CpTd0306

- CpTd0306 CpTd0303.

: Request/Reply
: CpTrade.dll
CpTd0354
:

- (CpTd0312) (CpTd0354) CpTd0312.
, CpTd0354

- CpTd0354 CpTd0312.

: Request/Reply
: CpTrade.dll
CpTd0732
:
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

type value

- **type:**
  0 - (long)
  1 - (string)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  0 - (string)
  1 - (string)
  2 - (string)
  3 - (longlong)
  4 - (long)(longlong)
  5 - (long)(longlong)
  6 - (long)(longlong)
  7 - (long)(longlong)
  8 - (long)(longlong)
  9 - (long)(longlong)
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<th>(longlong)</th>
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<td>51</td>
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</tbody>
</table>
value = object.GetDataValue (Type, index)

object.BlockRequest()
hts.Blocking Mode
CpTd3811
:
- (CpTd3811) (CpTd5342)  CpTd5342 . ,  CpTd3811
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)

type value

- type:

  0 - (string)

    1 - (string) •

    2 – (long) (20)[default:7]

- CpTd3811 GetHeaderValue, GetDataValue CpTd5342.
CpTdNew5331A
: /
: Request/Reply
: CpTrade.dll
**Method**

`object.SetInputValue(type, value)`

type  value

- **type:**

  0 - (string)
  
  1 - (string)
  
  2 - (string) [default:""]
  
  3 - (string)
4 – (long) [default:0] -
5 - (string) 100

N [default]
Y 100

6 - (char)

'1' [default]
'2'

- value:

value = object.\texttt{GetValue}(type)
type

- type:

  0 - (string)
  1 - (string)
  2 - (char)

  '1'
|   |   |  
|---|---|---|
| '2' | 40% |   |
| '3' | ETF |   |
| '4' | 100% |  |
| '5' | 20% |  |
| '6' | 30% |   |
| '7' | 50% |   |
| '8' | 70% |   |
| '9' |   |   |
| 3 | (longlong) 20% |   |
| 4 | (longlong) 30% |   |
| 5 | (longlong) 40% |   |
| 6 | (longlong) 50% |   |
| 7 | (longlong) 60% |   |
| 8 | (longlong) 70% |   |
| 9 | (longlong) 100% |   |
| 10 | (longlong) |   |
| 11 | (long) 20% |   |
| 12 | (long) 30% |   |
| 13 | (long) 40% |   |
| 14 | (long) 50% |   |
| 15 | (long) 60% |   |
| 16 | (long) 70% |   |
| 17 | (long) 100% |   |
| 18 | (long) |   |
| 19 | (longlong) 20% |   |
20 - (longlong) 30%
21 - (longlong) 40%
22 - (longlong) 50%
23 - (longlong) 60%
24 - (longlong) 70%
25 - (longlong)
26 - (long) 20%
27 - (long) 30%
28 - (long) 40%
29 - (long) 50%
30 - (long) 60%
31 - (long) 70%
32 - (long)
33 - (long)
34 - (long)
35 - (longlong) 80%
36 - (long) 80%
37 - (longlong) 100%
38 - (long) 100%
39 - (longlong) 110%
40 - (long) 110%
41 - (longlong) 120%
42 - (long) 120%
43 - (longlong) 140%
44 - (long) 140%
45 - (longlong)
46 - (longlong)
47 - (longlong)
48 - (longlong)
49 - (longlong)
50 - (longlong)
51 - (longlong)
52 - (longlong)
53 - (longlong)
54 - (char)

'1'

'2'

'3'  100%

'4'  20%

'5'  30%

'6'  100%

55 - (string)

• :

value = object.GetDataValue(Type, Index)

object.BlockRequest()
  // .Blocking Mode
CpTdNew5331B

: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

type   value

• type:

  0 - (string)
       1 - (string)
  2 - (string) [default:""]
  3 – (char)

    '1'       [default]

    '2'

  4 – (char)

    '1'       [default]

    '2'

    '3'

  5 - (string) [default:""]
  6 – (string)

    00
02 [default]

09 MMF

13 (+)

98 (+)

99

33
66

7 - (string) [default:""
8 – (char)

'0'
'1'
'2'
'3'
'5'

9 - (string)

00 [default]
01
02

10 – (long) (:20[default])

- **value:**

value = object.GetValue(type)
type

- type:
  0 – (long)

- :

value = object.GetDataValue(Type,Index)

type

- type:
  0 - (string)
  1 - (string)
  2 - (char)

'1'

'2'

'3'    ETF

'4'    100%

'5'    20%

'6'    30%
'7'  50%
'8'  60%
'9'  70%

3 - (string)
  4 - (longlong)
  5 - (char)

'N'

'Y'
  6 - (long)
  7 - (string)
  8 - (long)
  9 - (long)
 10 - (long)
 11 - (long)
 12 - (long)
 13 - (long)
 14 - (char)

'1'

'2'

'3'
12
13
15
98
99
16 - (long)
17 - (long)
18 - (long)

- : index data

object.BlockRequest()

/ .Blocking Mode
CpTd5339
:
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

type    value

- **type:**

0 - (string)
1 - (string)
2 - [

] (string) ("0":[Default] "1": "2": "3": "4": "5":)

Type 4 Type 6

<table>
<thead>
<tr>
<th></th>
<th>Type4</th>
<th>Type6</th>
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<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>1</td>
<td>0</td>
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<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>0</td>
</tr>
<tr>
<td>3</td>
<td>0</td>
<td>2 + 3</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>0</td>
</tr>
</tbody>
</table>

() Type2    , 3   , __ Type4 Type6 .
3 - (string) ( , )
4 - (string)

5 - (string)

6 - (string)
value:

value = object.GetHeaderValue(type)

- **type:**

  0 - (string)
  1 - (string)
  2 - (string) ("0": "1": "2": "3": "4": "5":)
  3 - (string)
  4 - (string)
  5 - (long)

• :

value = object.GetDataValue(Type, Index)

- **type:**

  0 - (string)
  1 - (long)
2 - (long)
3 - (string)
4 - (string)
5 - (string) "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" "" ""
6 - (long)
7 - (long)
8 - (long)
9 - (string) ("" "" "" "")
10 - (string)
11 - (long)
12 - (string) /
13 - (string) .

1

2

14 - (string) ("1": "2": "3": "4"::)
15 - Type 21..
(string)
"00": "03": "05": "12": "13":
16 - (string)
"00": / "11": "33": "55": "77": "88": "99":
17 - (string)
18 - (string)

00
01

31  CS
32
51  WEB
A1
A6
A7  CT
A8  CT
A9  ..
...
19 - (string)

20 - (long)

21 - (string)
    [ Type 15 .
00
01
02
03
05
06
09
12
13
10
23
25
51
52
61
object.BlockRequest().Blocking Mode
    )   Continue
**Property**

Object.**Continue()**

Data  Data  .(True: , False: )

Continue True  Data  Data  Data .

Continue True ,  Data  Continue  False  Data  Data .
CpTd5341
: /
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type value

- **type:**

0 - (string)
   1 - (string)
2 - (string) [default:""]
3 - (long) [default:0]
   4 – (char)

   '0'

   '1' [default]

5 –(long) [default::7] - 20
6 –(char)

   '1'

   '2' [default]

   '3'
• value:

value = object.**GetValue** (type)

type

• type:

0 - (string)

1 - (string)

2 - (string)

3 - (long)

4 - (string)

5 - (long)

6 - (long)

• :

value = object.**GetDataValue** (Type, Index)

type

• type:

0 - (string)

1 - (long)

2 - (long)

3 - (string)
4. - (string)
   5 - (string)
      ,
      
   6 - (string)
      00
      01
      02
      03
      05
      06
      09
      12
      13
      10
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (long)
12 - (long)
13 - (string)

1
2
3

14 - (string)

15 – (string) ("...")
16 - (string)
17 - (string)
18 - (string)

1
2
3

19 - (string)

00

01

31 CS

32

51 WEB

A1

A6

A7 CT

A8 CT

A9 ..

...

20 - (string) ("""")

21 - (string)

22 - (long)
23 -
  (string) /
    "1": "2":
24 - (string) ()

1

2

25 - (string)
  "00": "03": "05": "09": "12": "13": "71": "73":
26 - (Type 31 .)
  (string)
  "00":/ "01": "03": "05": "07": "11": "33": "55": "77":
27 - (string)

28 - (string) ,
29 - (string)
30 - (string)

1

2

3

4

5
31 - (string) ( Type 26 )
1
2
3
32 - (string)
[] Type 19
33 - (string)

1
2
34 - (string)
[] Type 6
35 - (string)

1
2
36 - (string)
[] Type 13

• :  index data
object.BlockRequest()
/ .Blocking Mode
)

Continue

Property

Object.Continue(/

Data  Data  .(True: , False: )

Continue True  Data  Data  Data  .

Continue True  ,  Data  Continue  False  Data  Data  .
CpTd5342
: /
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type value

• type:

0 - (string)
  1 - (string)
  2 – (long) [default:7] - 20
  3 - (string)

  "1"

  "2" [default]
  4 - (string) [default:"" - ]

• value:

value = object.GetHeaderValue(type)
type

• type:

2 - (string)
3 - (string)
4 - (string)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (ulonglong)
10 - (ulonglong)

• :

value = object.GetDataValue(Type, Index)
type

• type:
0 - (string)
1 - (string)
3 - (long)
4 - (long)
5 - (longlong)
8 - (long)
10 - (string)
2

11 - (long)

12 - (long)

13 - (string)

14 - (string)

1 -

2

3

0

16 - (long)

17 - (long)

19 - (string)

20 - (string)

11

12

13

15
21 - (string)

1

2

22 - (ulonglong)
23 - (ulonglong)
24 - (ulonglong)

: index data
object.BlockRequest()
  .Blocking Mode
  ) Continue
Property
Object.Continue(/)

Data Data (True: , False: )
Continue True, Data Continue False, Data.
CpTd6033
:
0 ..(., RP) .....
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

- **type:**

  0 - (string)
  1 - (string)
  2 – (long) [default:14] - 50

- **value:**

  value = object.GetHeaderValue(type)

- **type:**

  0 - (string)
  1 - (long)
  2 - (long)
  3 - (longlong) (;
  4 - (longlong) (;
  5 –
  6 - (longlong) (;
  7 - (long)
  8 – (double)
value = object.GetDataValue(Type, Index)

type:

0 - (string)
1 - (char)

'Y'
'D' /
'B'
'M'
'P' /
'I'
2 - (string)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 -
9 - (longlong) (::) -
10 - (longlong) (::) -
11 - (double)
12 - (string)
13 - (char)
14 -
15 - (long)
16 - (string)
17 - (double)
18 - (longlong)

- : index data

object.BlockRequest().Blocking Mode
CpTd0322
: / (,)
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

type  value

- **type:**
  
  0 - (string)

  1

  2

  1 - (string)

  2 - (string)

  3 - (string)

  4 - (long)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**
  
  0 - (string)

  1 - (string)

  2 - (string)

  3 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
(,).Blocking Mode

CpDib. CpConclusion object
CpTd0323
:
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type,value)
type  value

- **type:**

  0 - (string) ·

  1 ( )

  2 ( )

  1 - (string)

  33 [default]

  66

  2 - (string)

  3 - (string) ·

  4 - (string)

  5 - (long)

  6 - (long) ( )

- **value:**

  value = object.GetHeaderValue(type)
type
• type:
  
  0 - (string) ·

  1 - (string)

  33 [default]

  66

  2 - (string)

  3 - (string) ·

  4 - (string)

  5 - (long)

  6 - (string)

  7 - (long)

  8 - (string)

  9 - (string)

  10 - (string)

  :

  value = object.GetDataValue (Type, index)

  object.BlockRequest()

  hts .Blocking Mode
CpDib  CpConclusion object
CpTd0326
: /
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

type  value

- **type:**

  0 - (string) ("1": "2")
  1 - (long)
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (long)

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string) ("1": "2")
  1 - (long)
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (long)
value = object.GetDataValue (Type,index)

object.BlockRequest()
    .Blocking Mode

CpDib  CpConclusion object
CpTd0355

: ---(,)---
- (CpTd0322) (CpTd0355)  CpTd0322.
,  CpTd0355

- CpTd0355  CpTd0322.

: Request/Reply
: CpTrade.dll
CpTd0356
:

- (CpTd0326) (CpTd0356) CpTd0326 .
,  CpTd0356

- CpTd0356 CpTd0326 .

: Request/Reply
: CpTrade.dll
CpTd0359
:

- (CpTd0323) (CpTd0359)  CpTd0323.
,  CpTd0359

- CpTd0359  CpTd0323.

: Request/Reply
: CpTrade.dll
CpTd0386
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

• **type:**

  0 - (string)

  1

  2

  1 - (string)

  2 - (string)

  3 - (string)

  4 - (long)

  5 - (long)

• **value:**

value = object.GetHeaderValue(type)

type

• **type:**

  0 - (string)

  1 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
() .Blocking Mode

CpDib  CpConclusion object
CpTd0387
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)

- **type:**

  0 -
  (string) ("1": "2": "9": [Default])

  1 - (long)

  2 - (string)

  3 - (string)

  4 - (string)

  5 - (long)

- **value:**

  value = object.GetHeaderValue(type)
  type

  - **type:**

    0 -
    (string) ("1": "2": "9": )

    1 - (long)

    2 - (string)

    3 - (string) ·
value = object.GetDataValue (Type,index)

object.BlockRequest()
(,).Blocking Mode

CpDib CpConclusion object
CpTd0388

: Request/Reply

: CpTrade.dll
Method

object.SetInputValue(type, value)

- type:

  0 - (string)

  1 - ()

  2 - ()

1 - (string)

  33 [default]

  66

  2 - (string)

  3 - (string)

  4 - (string)

  5 - (long)

  6 - (long)

  7 - (long) ()

- value:

  value = object.GetHeaderValue(type)

  type
• type:
  
  0 - (string)
  1 - (string)

33 [default]

66
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (long)
  6 - (long)
  7 - (string)
  8 - (long)
  9 - (string)
  10 - (string)
  11 - (string)

• :

value = object.GetDataValue (Type,index)

object.BlockRequest()

hts .Blocking Mode

CpDib  CpConclusion object
CpTd0389
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type value

- **type:**

  0 - (string) ("1": "2": "9": [Default])
  1 - (long)
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (long)
  6 - (long)

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0 - (string) ("1": "2": "9": )
  1 - (long)
  2 - (string)
  3 - (string)
  4 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
  , .Blocking Mode

           CpDib  CpConclusion object
CpTdNew9061
: ()
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

- **type:**

  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (long)
  5 - (string)

  [default]
6 - (long)
7 - (char)

'1' [default]
'2'

8 - (long) [default:0] -
9 - (string)

""

33
66

• value:
value = object.GetDataValue (Type,index)

object.BlockRequest()
() .Blocking Mode
CpTdNew9064
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)
type  value

- **type:**

  0 - (long)
  1 - (string)
  2 - (string)
  3 - (string)

- **value:**

  value = object.GetHeaderValue(type)
type

  - **type:**

    0 - (string)
    1 - (string)
    2 - (string)
    3 - (string)
    4 - (string)
    5 - (long)
    6 - (string)
7 - (long)
8 - (string)
9 - (long)
10 - (long)

• :

value = object.GetDataValue (Type,index)

object.BlockRequest()
  .Blocking Mode
CpTd9065
:
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type,value)
type value

- type:
  0 - (string)
  1 - (string)
  2 - (long) [default:7] - :20

- value:

  object.GetHeaderValue(type)
type

  - type:
    0 - (string)
    1 - (string)
    2 - (string)
    3 - (long)
    4 - (long)

    - :
      value = object.GetDataValue (Type,index)
type
• type:

0 - (string)
1 - (string)
2 - (string)
3 - (long)
4 - (string)
5 - (string)

00
01
31 CS
32
51 WEB
A1
A6
A7 CT
A8 CT
..
... 

6 - (long) 
7 - (string) 
8 - (string) 
9 - (long) 
10 - (long) 
11 - (long) 
12 - (string) 
13 - (string) 
14 - (string) 

- `index: data index`
- `:: index data`

object.`BlockRequest()`
   .Blocking Mode
CpTd6831

: //

: Request/Reply

: CpTrade.dll
Method

object.SetInputValue(type, value)

type   value

- type:

  0 – (string) / ("1": "2": "3": "4": (KOSTAR)
  1 - (string)
  2 - (string)
  3 - (long)
  4 - (double)
  5 - (string) .

  6 - (string) .

  1

  2

  [default]

  3

  4


- value:

value = object.\texttt{GetHeaderValue(type)}

- type:

0 - (string) / ("1": "2": "3": "4": (KOSTAR))
1 - (string)
2 - (string)
3 - (long)
4 - (double)
5 - (string)
6 - (string)
7 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
  .Blocking Mode

  CpDib  CpFConclusion object
CpTd6832
: //
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)

- type:

  0 - (string)/("1": "2": "3": "4": (KOSTAR))
  
  1 - (string) ("1": "2":)
  
  2 - (long)
  
  3 - (string)
  
  4 - (string)
  
  5 - (long)
  
  6 - (double)
  
  7 - (string) ("1": "2": "3": "4":)
  
  8 - (string)

" " [default]
"1" IOC
"2"
"3"
"4"
9 - (string) ·

" " [default]
"0"
"1" IOC
"2" FOK
10- [Default::50] ·

• value:

value = object.\texttt{GetHeaderValue(type)}

\begin{itemize}
\item type: data
\end{itemize}

0 -
(string) / ("1": "2": "3": "4": (KOSTAR)
1 - (long)
2 - (string)
3 - (string)
4 - (long)
5 - (double)
6 - (long)
value = object.GetDataValue (Type, index)

object.BlockRequest()
  .Blocking Mode
CpDib  CpFConclusion object
CpTd6833
 //
 : Request/Reply
 : CpTrade.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**

  0  - (string) / ("1": "2": "3": "4": (KOSTAR))
  1  -
  2  - (long)
  3  - (string)
  4  - (string)
  5  - (long) ()
  6  - [Default::50]:

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0  -
  (string) /
  ("1": "2": "3": "4": (KOSTAR))
  1  - (long)
  2  - (string)
  3  - (string)
4 - (long)
5 - (long)

6 - (string) ("")
7 - (string) ("1": "2":)
8 - (string)
9 - (string)
10 - (long)
11 - (string)
12 - (string)

value = object.GetDataValue (Type, index)

object.BlockRequest()
    .Blocking Mode

CpDib  CpFConclusion object
CpTd6841
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type value

- **type:**

  0 - (string)
  1 - (string)
  2 - (long)
  3 - (double)
  4 - (string)

- **value:**

  0 [default]
  1 IOC
  2 FOK
  6 [Default::50]
value = object.GetStringHeaderValue(type)

- **type:**

0 - (string) / ("1": "2": "3": "4": (KOSTAR))
1 - (string)
2 - (string)
3 - (long)
4 - (double)
5 - (string) ( )
6 - (string) (____)
7 - (long)
8 - (string) ()
9 - (string)
10 - (string)
11 - (string)
12 - (string)
13 - (string)

value = object.GetDataValue (Type, index)
object.BlockRequest()

Blocking Mode

CpDib CpFConclusion object
CpTd6842
:
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)
type value

• **type:**

  0 - (long)
  1 - (string)
  2 - (string)
  3 - (long)
  4 - (double)
  5 - (string)

  "" [default]
  "0"
  "1" IOC
  "2" FOK
  6 - [Default:50]

• **value:**

  value = object.GetHeaderValue(type)
type
• type: data

0 - (string) = ("1": "2": "3": "4": (KOSTAR))

1 - (string)

2 - (long)

3 - (string)

4 - (string)

5 - (long)

6 - (double)

7 - (long)

8 - (string)

9 - (string)

10 - (string)

11 - (long)

12 - (string)

13 - (string)

• :

value = object.GetDataValue (Type, index)

object.BlockRequest()

  .Blocking Mode
CpDib  CpFConclusion object
CpTd6843
:
: Request/Reply
: CpTrade.dll
**Method**

`object.SetInputValue(type, value)`

type  value

- **type:**

  0 - (long)
  1 - (string)
  2 - (string)
  3 - (long)
  4 - [Default:50] ·

- **value:**

  value = `object.GetHeaderValue(type)`

type

- **type:**

  0 - (string) / ("1": "2": "3": "4": (KOSTAR))
  1 – (string)
  2 - (long)
  3 - (string)
  4 - (string)
  5 - (long)
  6 - (long)
value = object.GetDataValue (Type,index)

object.BlockRequest()
   .Blocking Mode

   CpDib   CpFConclusion object
CpTd0721F

: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**

  0 - (string)(long)
  1 - (string)(long) [default:50]
  2 – (string) [default:""]
  3 – (long) [default:10] - 20

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0 - (long)
  1 - (long)
  2 – (string)
  3 - (longlong)(long)
  4 - (longlong)(long)
  5 - (longlong)(long)
  6 - (longlong)(long)
  7 - (longlong)(long)
8 - (longlong)(long)
9 - (longlong)(long)
10 - (longlong)(long)
11 - (longlong)(long)
12 - (longlong)(long)
13 - (longlong)(long)
14 - (longlong)(long)
15 - (longlong)(long)
16 - (Type 31,33,35) (long)
17 - (longlong)(long)
18 - (longlong)(long)
19 - (Type 32,34,36) (long)
20 - (longlong)(long)
21 - (longlong)(long)
22 - (longlong)(long)
23 - (longlong)(long)
24 - (longlong)(long)
25 - (long)
26 - (long)
27 - (long)
28 - (long)
29 - (long)
30 - (longlong)
value = object.GetDataValue (Type,index)

type

• type:

0 - (string)
1 - (string)
2 - (long)
3 - (long)
4 - (long)
5 - (long)
6 - (long)
7 - (long)
8 - (long)
9 - (long)
10 - (long)
11 - (long)
• index: data index

• : index data

object.BlockRequest()
hts .Blocking Mode
CpTd0723

: /

: Request/Reply

: CpTrade.dll
Method

object.SetInputValue(type, value)

- type:
  0 - (string)
  1 - (string) [Default: 50]
  2 - (string) ("1": "2":)
  3 - (string) [Default: ""]
  4 - (long) [Default: 20] - 50

- value:

value = object.GetHeaderValue(type)

- type:

2 - (long)

- :

value = object.GetDataValue(Type, Index)

- type:

0 - (string)
1 - (string)
2 - (string)

1

2

3 - (long)
5 - (double)
9 - (long)
10 - (long) /

• : index data

object.BlockRequest() / .Blocking Mode
CpTd5371
: / / ,
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)

type  value

• type:

  0 - (string)
  1 - (string)[Default:50]
  2 - (string)
    "1":[Default]  "2": "3": "4": "9":...
    [ ,

    -> Type 6 7...
  3 - (long) [default:0] -
  4 - (string)

    1  [Default]
    2

  5 - (long) (:YYYYMMDD) [Default:0 - ]
    6 – (string)

    1
    2  [Default]
value:

```csharp
data

0 - (string)
1 - (string)
2 - (string)
3 - (string)
```

4 - (string)
5 - (string)
6 - (long)
7 - (string)
8 - (string)

value = object.GetHeaderValue(type)

• type: data

value = object.GetDataValue(Type,Index)

• type:
0 - (string) "I": "A": "C": "P": "W": INTERNET WEB: "J": HTS-
1 - (long) ( 0)
2 - (long) ( 0)
3 - (long)
   ( 1 [  1 ],  0)
4 - (string)
   ( , )
5 - (string) ( , )
6 - (string) ("" "" "" "")
7 - (long)-
8 - (double)
9 - (long)
10 - (string)-
11 - (string) ("" "" "" "" "")
12 –
13 - (string)

    1

    2

    3
15 – (long) ( )
  16 – (long) ( 0)
  17 – (string)

0

1

3

4

HTS

5

18 – (string)

0000

0101~9999  0000

19 – (string)

• : index data

object.BlockRequest()
/ / , .Blocking Mode
CpTd5372
:
:
: Request/Reply
: CpTrade.dll
**Method**

`object.SetInputValue(type, value)`

- **type:**
  0 - (string)
  1 - (string) [Default: 50]
  2 - (string)

  1 [Default]
  2

  3 - (string) -
  4 - (string)

  0

  1 [Default]

  5 - (long) [default: 14] - 20

- **value:**

  value = object.GetHeaderValue(type)
- **type:** data

  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (string)
  5 - (string)
  6 - (long)

- 

  value = object.\texttt{GetDataValue(Type,Index)}

- **type:** \texttt{() / ""}

  0 - (string) \texttt{( / )}
  1 - (string) \texttt{( / "", "" )}
  2 - (string) \texttt{( / )}
4

5

6

7

8

9

3 - (long) ( / 0)
4 - (double) ( / 0)
5 - (longlong) ( / 0)
6 - (longlong) ( / 0)
7 - (longlong) ( / 0)

- : index data

object.BlockRequest()
/ .Blocking Mode
CpTd6197
:
: Request/Reply
: CpTrade.dll
**Method**

object.SetInputValue(type, value)

type value

- **type:**

  0 - (string)

  1 - (string)(YYMMDD)
      2 – (string) [Default::50]

  3 – (long) [default:10] - 10

- **value:**

  value = object.GetHeaderValue(type)

type

- **type:**

  0 - (string)

  1 - (longlong)(decimal)

  2 - (longlong)(decimal)

  3 - (longlong)(long)

  4 - (longlong)(long)

  5 - (longlong)(long) (:: (;) -

  6 - (longlong)(long) (:: (;) -

  7 - (longlong)(long) (:: (;) -
value = object.GetDataMember (Type,index)
type

• type:

0 - (string)
1 - (string)
2 - (string) ("","")
3 - (long)
4 - (double)
5 - (longlong)(long) (:): -
6 - (long)
7 - (longlong)(long) (:): -
8 - (long)
9 - (longlong)(long) (:): -
10 - (longlong)(long) (:): -
11 - (string) ("" "")
12 - (long)
13 - (double)
14 - (double)
15 - (longlong)(long) (:) (·) -
16 - (longlong)(long) (:) (·) -
17 - (long)

- : index data

object.BlockRequest()
/ .Blocking Mode
)  Continue
CpTd6722
: /
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)
type value

- type:
  0 - (string)
  1 - (string)
  2 - (double)
  3 - (string)  

  1 [Default]
  
  2

  3

  4

  0

  4 – (string) [Default:50]

  5 – (string)

  Y [Default]

  N
• value:

value = object.GetProperty(type)

type

• type: data

0 - (string)

2 - (longlong)(decimal)

3 - (longlong)(decimal)

4 - (longlong)(decimal)

11 - (longlong)(decimal)

12 - (longlong)(decimal)

13 - (longlong)(decimal)

14 - (longlong)(decimal)

15 - (longlong)(decimal)

16 - (longlong)(decimal)

17 - (long)

18 - (long)

19 - (long)

20 - (long)

21 - (longlong)(decimal)
value = object.GetDataValue (Type,index)

object.BlockRequest()
/ .Blocking Mode
CpTd9081

: /

: Request/Reply

: CpTrade.dll
Method

object.SetInputValue(type, value)

type  value

- type:

  0 - (string)

    1

    2

  1 - (string)

  2 - (string)

  3 - (long)

  4 - (double)

  5 - (string)

    1

    2

    3

    4

  6 - (string) [default:50]
value = object.GetHeaderValue(type)

- type:

  0 - (string)
  1 -
  2 - (string)
  3 - (long)
  4 - (double)
  5 - (long)
  6 - (string)
  7 - (string)
  8 - (string)

- :

  value = object.GetDataValue (Type,index)

object.BlockRequest()
  .Blocking Mode
CpTd9082
:

: Request/Reply
: CpTrade.dll
**Method**

`object.SetInputValue(type,value)`

type  value

- **type:**
  - 0 - (long)
  - 1 - (string)
  - 2 - (string)
  - 3 - (string) [default:50]

- **value:**

  ```
  value = object.GetHeaderValue(type)
  ```

type

- **type:**
  - 0 - (long)
  - 1 - (string)
  - 2
  - 3 - (string)
  - 4 - (long)
  - 5 - (double)
  - 6 - (string)
• :

\[
\text{value} = \text{object.} \text{GetDataValue (Type,index)}
\]

\[
\text{object.BlockRequest()}
\]

.Blocking Mode
CpTd9083
:

(CpTd9081) (CpTd9083) CpTd9081.
,
CpTd9083

: Request/Reply
: CpTrade.dll
CpTd9084

: Request/Reply
: CpTrade.dll
CpTd9085
  : /
  : Request/Reply
  : CpTrade.dll
Method
object.SetInputValue(type,value)

- **type:**

  0 - (string)
  1 - (string) [default:50]
  2 - (long) [default:7] - 20

- **value:**

  value = object.GetHeaderValue(type)

- **type:**

  0 - (string)
  1 - 
  2 - (long)
  3 - (long)
  4 - (string)

- **:**

  value = object.GetDataValue (Type,index)
- **type:**
  
  0 – .
  
  1 - (string)
  
  2 - (string)
  
  3 - (string)
  
  4 - (long)
  
  5 - (string)
  
  6 - (long)
  
  7 – (long)
  
  8 - (string)
  
  9 - (double)
  
  10 - (string)
  
  11 - (string)

- **index:** data index

- : index data
CmeBalance

: CME
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

- **type**:  
  0 – (string)
  1 - (string) [Default:50]
  2 - (string)
  3 - (long) [Default:20] - 50

- **value**:  
  value = object.GetHeaderValue(type)

- **type**:  
  0 - (long)

- **:**  
  value = object.GetDataValue (Type, index)

- **type**:  
  0 - (string)
  1 - (string)
2 - (string)
3 - (long)
4 - (double)
5 - (long)
6 - (long) /

: index data

object.BlockRequest()

CME Blocking Mode
CmeNoConclusion

: CME
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type,value)

- **type**: 
  
  0 – (string)
  1 - (string) [Default:50] 
  2 - (long) [Default:0] 
  3 - (string) 

- **value**: 
  
  value = object.GetHeaderValue(type)

- **type**: 
  
  0 - (string) 
  1 - (string)
2 - (string)
3 - (string)
4 - (long)
5 - (string)

• :

value = object.GetDataValue(Type, Index)
type

• type:

0 - (long)
1 - (long)
2 - (long)
3 - (string)
4 - (string)
5 - (string) ("""")
6 - (double)
7 - (long)
8 - (string)

1
9 - (long) ( )
10 - (long) ( 0)
  11 – (string)

  0

  1

  3

  4

        HTS

  5

  12 – (string)

  0000

  0101~9999  0000

  13 – (string)

  :  index data
object.BlockRequest()
CME .Blocking Mode
CmeConclusion

: CME

: Request/Reply

: CpTrade.dll
Method
object.SetInputValue(type,value)
type  value

- **type:**

  0 – (string)

  1 - (string) [Default:50]

  2 - (long) [Default:0] -

  3 - (string)

  1                   [Default]

  2

  4 – (string)

  1

  2                   [Default]

  5 - (long) [default:14] - 20

- **value:**

  value = object.GetHeaderValue(type)
type
- **type:**

  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (long)
  5 - (string)
  6 - (string)

- **:**

  value = object.**GetDataValue**(Type,Index)

- **type:**

  0 - (long) ( 0)
  1 - (long) ( 0)
  2 - (long) ( 1 , 0)
  3 - (string)
  4 - (string) ( , )
  5 - (string) (""" """ ")
  6 - (double)
  7 - (long)
8 - (string)

1

2

3

4

9 - (long) (  )

10 - (long) ( 0)

11 – (string)

0

1

3

4

  HTS

5

12 – (string)

0000

0000
0101~9999
13 – (string)

• : index data

object.BlockRequest()
CME .Blocking Mode
CmeConclusionDay

: CME
: Request/Reply
: CpTrade.dll
Method
object.

SetInputValue(type,value)
type value

- type:

  0 – (string)

  1 - (string) [Default:50]

  2 - (long) [Default:0] -

  3 - (string)

    1 [Default]

    2

    4 – (string)

    1

    2 [Default]

    5 - (long) (:YYYYMMDD) [Default: 0 - ]

    6 - (long) [default:14] - 20

- value:

  value = object.

  GetHeaderValue(type)
type

- **type:**
  
  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (long)
  5 - (string)
  6 - (string)

- **:**

  value = object.GetDataValue(Type,Index)

**type**

- **type:**
  
  0 - (long) (0)
  1 - (long) (0)
  2 - (long) (1, 0)
  3 - (string)
  4 - (string) ( )
  5 - (string) ("" "" "")
  6 - (double)
7 - (long)
8 - (string)

1
2
3
4

9 - (long) ( )
10 - (long) ( 0)

11 – (string)

0
1
3
4

HTS

5
12 – (string)

00000
0101~9999  0000

13 – (string)

- index data

object.BlockRequest()
CME .Blocking Mode
EurexBalance

: EUREX

: Request/Reply

: CpTrade.dll
Method
object.SetInputValue(type, value)
type value

- **type:**

  0 – (string)
  1 - (string) [Default: 55]
  2 - (string)
  3 - (long) [Default: 20] - 50

- **value:**

  value = object.GetHeaderValue(type)
type

- **type:**

  0 - (long)

- **:**

  value = object.GetDataValue (Type, index)
type

- **type:**

  0 - (string)
  1 - (string)
2 - (string)
3 - (long)
4 - (double)
5 - (long)
6 - (long) /

* : index data

object.BlockRequest()
EUREX .Blocking Mode
EurexNoConclusion

: EUREX .
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type, value)

- type:
  0 – (string)
  1 - (string) [Default:55]
  2 - (long) [Default:0] -
  3 - (string)

  1 [Default]
  2
  4 - (long) [default:14] - 20

- value:

  value = object.HeaderValue(type)
  type
  
  - type:
    0 - (string)
    1 - (string)
value = object.GetDataValue(Type, Index)

- type:

  0 - (long)
  1 - (long)
  2 - (long)
  3 - (string)
  4 - (string)
  5 - (string) ("""")
  6 - (double)
  7 - (long)
  8 - (string)

  1
2
3
4
9 - (long) ( )
10 - (long) ( 0)
11 – (string)
0
1
3
4
HTS
5
12 – (string)

0000
0101~9999 0000
13 – (string)

• : index data
object.BlockRequest()
EUREX .Blocking Mode
EurexConclusion

: EUREX
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

type  value

- **type:**

  0 – (string)
  1 - (string) [Default:55]
  2 - (long) [Default:0] -

  3 - (string)

  1   [Default]
  2
  4 – (string)

  1
  2   [Default]
  5 - (long) [default:14] - 20

- **value:**

  value = object.GetHeaderValue(type)

type
• type:

0 - (string)
1 - (string)
2 - (string)
3 - (string)
4 - (long)
5 - (string)
6 - (string)

• :

value = object. **GetDataType**(Type, Index)

type

• type:

0 - (long) ( 0)
1 - (long) ( 0)
2 - (long) ( 1 , 0)
3 - (string)
4 - (string) ( , )
5 - (string) ("" "" "" ")
6 - (double)
7 - (long)
8 - (string)

1

2

3

4

9 - (long) ( )

10 - (long) ( 0)

11 - (string)

0

1

3

4

HTS

5

12 - (string)

0000

0000
0101~9999
13 – (string)

- : index data

object.BlockRequest()
EUREX .Blocking Mode
EurexConclusionDay

: EUREX
: Request/Reply
: CpTrade.dll
Method

object.SetInputValue(type, value)

type   value

- type:

  0 – (string)

  1 - (string) [Default: 55]

  2 - (long) [Default: 0] -

  3 - (string)

    1               [Default]

    2

    4 – (string)

    1

    2               [Default]

    5 - (long) (:YYYYMMDD) [Default: 0 - ]

    6 - (long) [default: 14] - 20

- value:

  value = object.GetHeaderValue(type)
type

- type:
  0 - (string)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (long)
  5 - (string)
  6 - (string)

- :

  value = object.GetDataValue(Type,Index)

type

- type:
  0 - (long) (0)
  1 - (long) (0)
  2 - (long) (1, 0)
  3 - (string)
  4 - (string) (,)
  5 - (string) ("" "" "")
  6 - (double)
7 - (long)
8 - (string)

1
2
3
4

9 - (long) (  )
10 - (long) ( 0)
11 – (string)

0
1
3
4

HTS
5
12 – (string)

0000
0101~9999  0000
13 – (string)

- index data

object.BlockRequest()
EUREX .Blocking Mode
CmeOrder

: CME /,,
: Request/Reply
: CpTrade.dll
**Method**
`object.SetInputValue(type,value)`

- **type:**

  0 – (string)

  1

  2

  3

  1 - (string)

  2 - (string) [Default:50]

  3 - (string)

  4 - (long)

  5 - (double) - 0

  6 - (string) – „“ 1Byte

  1

  2

  7- (string) – („“ 1Byte
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>[default]</td>
</tr>
<tr>
<td>1</td>
<td>IOC</td>
</tr>
<tr>
<td>2</td>
<td>FOK</td>
</tr>
</tbody>
</table>

8 – (long) – , . 0

9 – (string) IFM – /, (" ") 1Byte

- **value:**
  value = object.**GetHeaderValue**(type)

- **type:**
  0 - (long)
  1 - (string)
  2 - (string)
  3 - (string)
  4 - (string)
value = object.GetDataValue (Type,index)

object.BlockRequest()
CME .Blocking Mode

CpDib CmeConclusionRt object
EurexOrder

: EUREX /,,
: Request/Reply
: CpTrade.dll
Method
object.SetInputValue(type,value)

- **type:**

  0 – (string)

  1 - (string)

  2 - (string) [Default:55]

  3 - (string)

  4 - (long)

  5 - (double) - 0

  6 - (string) – , (““) 1Byte

  1

  2

  7- (string) – (““) 1Byte
0       [default]

1       IOC

8 - (long) - , . 0

- **value:**

value = object.GetHeaderValue(type)
type

- **type:**

0 - (long)
1 - (string)
2 - (string)
3 - (string)
4 - (string)
5 - (string)
6 - (long)
7 - (double)
8 - (string)
9 - (long)
10 - (long)
value = object.GetDataValue (Type,index)

object.BlockRequest()
EUREX .Blocking Mode

CpDib EurexConclusionRt object
CpCybos
: CYBOS .
: CpUtil.dll

**Property**
value = object.IsConnect
() CYBOS

• : 0- , 1-

value = object.ServerType
()

• : 0- , 1- cybosplus , 2- HTS (cybosplus )

value = object.LimitRequestRemainTime
()

• : (:milisecond)

**Method**
value = object.GetLimitRemainCount(limitType)
limitType .

• limitType:
  LT_TRADE_REQUEST - RQ
  LT_NONTRADE_REQUEST - RQ
  LT_SUBSCRIBE - SB

• :

**Event**
Object.OnDisConnect
U-CYBOS .
**CpStockCode**

: CYBOS.

: CpUtil.dll

**Method**

value = object.\_CodeToName(code)

code

- code:
  - :

value = object.\_NameToCode(name)

code

- code:
  - :

value = object.\_CodeToFullCode(code)

code FullCode.

- Code:
  - : Full Code

value = object.\_FullCodeToName(fullcode)

fullcode

- fullcode: FullCode

- :

value = object.\_FullCodeToCode(fullcode)

fullcode Code
- fullcode: Full Code

- : Code

  value = object. `CodeToIndex(code)`

  code: Index

- code:

- : Index

  value = object. `GetCount()`

- :

  value = object. `GetData(type,index)`

- type:

  0 -
  1 -
  2 - FullCode

- index: :

- :

  value = object. `GetPriceUnit(code, basePrice, directionUp)`

/ETF/ELW .

- code(string):
- basePrice(long):
- directionUp(bool[default:true]):
- (long):
**CpFutureCode**

: CYBOS .

: CpUtil.dll

**Method**

Value = object.**CodeToName(code)**

Code

- **code:**

- :

  value = object.**GetCount**()

- :

  value = object.**GetData(type,index)**

  - **type:**
    - 0 -
    - 1 -

  - index :

  - :
**CpOptionCode**

: CYBOS

: CpUtil.dll

**Method**

Value = object.CodeToName (code)

Code

- **code:**

- :

  value = object.GetCount()

- :

  value = object.GetData(type,index)

- **type :**

  0 -
  1 -
  2 -
  3 -
  4 -

- **index :**

- :
**CpSOptionCode**

: CYBOS

: CpUtil.dll

**Method**

Value = object.**CodeToName** (code)

Code

- **code:**

- : 

value = object.**GetCount**()

- :

value = object.**GetData**(type,index)

- **type :**

  0 - 
  1 - 
  2 - / 
  3 - 
  4 - 

- **index :**

- :
**CpKFutureCode**

: (KOSTAR).

: CpUtil.dll

**Method**

Value = object.**CodeToName**(**code**)

**Code**

- **code:**
  
  - :

value = object.**GetCount**()

- :

value = object.**GetData**(type,index)

- **type:**
  
  - 0 -
  
  - 1 -

- **index :**

- :
CpElwCode

: (Elw)

: CpUtil.dll

**Method**
Value = object.CodeToName(code)
Code (Elw)

- : (Elw)

- : (Elw)

value = object.GetCount()
Elw

- : (Elw)

value = object.GetData(type,index)

- **type:**
  0 - (string) (Elw)
  1 - (string)(Elw)
  2 - (string)/
  3 - (double)
  4 - (long)
  5 - (string)( U .,KOSPI200-180)
  6 - (string)

- **index :**

  : value = object. **GetStockElwBaseCode** (ElwCode)
Code

- : (Elw)
- : U . ,KOSPI200-180

value = object. **GetStockElwBaseName** (ElwCode)

Code

- : (Elw)

- :

value = object. **GetStockElwBasketCodeList** (ElwCode)

- : (Elw)

- :

- ()

  U . ,KOSPI200-180

**VB ex)**

Dim ElwCode As New CpElwCode
ar = ElwCode.GetStockElwLpCodeList("J568288")
For i = LBound(ar) To UBound(ar)
  Debug.Print ar(i)
  Debug.Print ElwCode.GetNameByStockElwLpCode(ar(i))
Next

value = object. **GetStockElwBasketCompList** (ElwCode)
value = object. GetStockElwLpCodeList(ElwCode)

value = object. GetNameByStockElwLpCode(LpCode)

Dim ElwCode As New CpElwCode
ar = ElwCode.GetStockElwLpCodeList("J507339")
For i = LBound(ar) To UBound(ar)
    Debug.Print ar(i)
    Debug.Print ElwCode.GetNameByStockElwLpCode(ar(i))
Next

value = object. GetStockElwBaseList()
Dim ElwCode As New CpElwCode
ar = ElwCode.GetStockElwBaseList
For i = LBound(ar) To UBound(ar)
    Debug.Print ar(i)
Next

value = object.GetStockElwIssuerList()

• :

• : (Elw) ()

Dim ElwCode As New CpElwCode
ar = ElwCode. GetStockElwIssuerList
For i = LBound(ar) To UBound(ar)
    Debug.Print ar(i)
Next

value = object.GetStockElwCodeListByBaseCode(baseCode)

• : ( U .,KOSPI200-180)

• : (Elw) ()

value = object.GetStockElwCodeListByRightType(RightType)

• (CPE_ECT_ELW_RIGHT_TYPE): ELW .

CPT_ELW_RIGHT_STANDARD -
CPT_ELW_RIGHT_DIGITAL -
CPT_ELW_RIGHT_KOBA -

• : (Elw) ()
CpCodeMgr
: .
: CpUtil.dll

Method
//
value = object.CodeToName( code )

code  //  .
code : //
: //

[ ]
value = object.GetStockMarginRate( code )

code  .
code : :

value = object.GetStockMemeMin( code )

code  .
code :
:

value = object. GetStockIndustryCode  ( code )

code  .
code :
:

value = object. GetStockMarketKind  ( code )

code  .
typedef enum {
    [helpstring("")] CPC_MARKET_NULL = 0,
    [helpstring("")] CPC_MARKET_KOSPI = 1,
    [helpstring("")] CPC_MARKET_KOSDAQ = 2,
    [helpstring("")] CPC_MARKET_FREEBOARD = 3,
    [helpstring("KRX")])] CPC_MARKET_KRX = 4,
} CPE_MARKET_KIND;

value = object. GetStockControlKind ( code )

code .

code :
  :
typedef enum {
    [helpstring"]] CPC_CONTROL_NONE = 0,
    [helpstring"]] CPC_CONTROL_ATTENTION = 1,
    [helpstring"]] CPC_CONTROL_WARNING = 2,
    [helpstring"]] CPC_CONTROL_DANGER_NOTICE= 3,
    [helpstring"]] CPC_CONTROL_DANGER = 4,
} CPE_CONTROL_KIND;

value = object. GetStockSupervisionKind ( code )

code .

code :
  :
typedef enum {
    [helpstring"]] CPC_SUPERVISION_NONE = 0,
    [helpstring"]] CPC_SUPERVISION_NORMAL = 1,
} CPE_SUPERVISION_KIND;

value = object. GetStockStatusKind ( code )

code
typedef enum {
    [helpstring("")] CPC_STOCK_STATUS_NORMAL = 0,
    [helpstring("")] CPC_STOCK_STATUS_STOP = 1,
    [helpstring("")] CPC_STOCK_STATUS_BREAK = 2,
} CPE_SUPERVISION_KIND;

value = object. GetStockCapital ( code )

code .

code :
    :
        typedef enum {
            [helpstring("")] CPC_CAPITAL_NULL = 0,
            [helpstring("")] CPC_CAPITAL_LARGE = 1,
            [helpstring("")] CPC_CAPITAL_MIDDLE = 2,
            [helpstring("")] CPC_CAPITAL_SMALL = 3
        } CPE_CAPITAL_SIZE;

value = object. GetStockFiscalMonth ( code )

code .

code :
    :

value = object. GetStockGroupCode ( code )

code () .

code :
    :

value = object. GetStockKospi200Kind ( code )
typedef enum {
    CPC_KOSPI200_NONE = 0,
    CPC_KOSPI200_MANUFACTURE = 1,
    CPC_KOSPI200_TELECOMMUNICATION = 2,
    CPC_KOSPI200_CONSTRUCT = 3,
    CPC_KOSPI200_CURRENCY = 4,
    CPC_KOSPI200_FINANCE = 5,
} CPE_KOSPI200_KIND;

typedef enum {
    CPC_KOSPI200_NONE = 0,
    CPC_KOSPI200_CONSTRUCTIONS_MACHINERY = 1,
    CPC_KOSPI200_SHIPBUILDING_TRANSPORTATION = 2,
    CPC_KOSPI200_STEELS_METERIALS = 3,
    CPC_KOSPI200_ENERGY_CHEMICALS = 4,
    CPC_KOSPI200_IT = 5,
    CPC_KOSPI200_FINANCE = 6,
    CPC_KOSPI200_CUSTOMER_STAPLES = 7,
    CPC_KOSPI200_CUSTOMER_DISCRETIONARY = 8,
} CPE_KOSPI200_KIND;

value = object. **GetStockSectionKind** ( code )

code

code:
::

typedef enum {
    CPC_KSE_SECTION_KIND_NULL = 0,
    CPC_KSE_SECTION_KIND_ST = 1,
    CPC_KSE_SECTION_KIND_MF = 2,
    CPC_KSE_SECTION_KIND_RT = 3,
CPC_KSE_SECTION_KIND_SC = 4,
CPC_KSE_SECTION_KIND_IF = 5,
CPC_KSE_SECTION_KIND_DR = 6,
CPC_KSE_SECTION_KIND_SW = 7,
CPC_KSE_SECTION_KIND_SR = 8,
CPC_KSE_SECTION_KIND_ELW = 9,
CPC_KSE_SECTION_KIND_ETF = 10,
CPC_KSE_SECTION_KIND_BC = 11,
CPC_KSESECTION_KIND_FETF = 12,
CPC_KSE_SECTION_KIND_FOREIGN = 13,
CPC_KSE_SECTION_KIND_FU = 14,
CPC_KSE_SECTION_KIND_OP = 15,
}

value = object. **GetStockLacKind** ( code )

code

code :
:

typedef enum
{
[helpstring("" )] CPC_LAC_NORMAL = 0,
[helpstring("" )] CPC_LAC_EX_RIGHTS = 1,
[helpstring("" )] CPC_LAC_EX_DIVIDEND = 2,
[helpstring("" )] CPC_LAC_EX_DISTRI_DIVIDEND = 3,
[helpstring("" )] CPC_LAC_EX_RIGHTS_DIVIDEND = 4,
[helpstring("" )] CPC_LAC_INTERIM_DIVIDEND = 5,
[helpstring("" )] CPC_LAC_EX_RIGHTS_INTERIM_DIVIDEND= 6,
[helpstring("" )] CPC_LAC_ETC = 99,
} CPC_LAC_KIND;

value = object. **GetStockListedDate** ( code )

code
code :
:
(LONG)
value = object. **GetStockMaxPrice** ( code )

code

code :
   : (LONG)

value = object. **GetStockMinPrice** ( code )

code

code :
   : (LONG)

value = object. **GetStockParPrice** ( code )

code

code :
   : (LONG)

value = object. **GetStockStdPrice** ( code )

code

code :
   : (LONG)

value = object. **GetStockYdOpenPrice** ( code )

code

code :
   : (LONG)

value = object. **GetStockYdHighPrice** ( code )

code
code:
: (LONG)

value = object. \textbf{GetStockYdLowPrice} ( code )

code

code:
: (LONG)

value = object. \textbf{GetStockYdClosePrice} ( code )

code

code:
: (LONG)

value = object. \textbf{IsStockCreditEnable} ( code )

code

code:
: (BOOL)

value = object. \textbf{GetStockParPriceChageType} ( code )

code

code:
:

typedef enum
{
    [helpstring(""") CPC_PARPRICE_CHANGE_NONE  = 0,
    [helpstring(""") CPC_PARPRICE_CHANGE_DIVIDE  = 1,
    [helpstring(""") CPC_PARPRICE_CHANGE_MERGE  = 2,
    [helpstring(""") CPC_PARPRICE_CHANGE_ETC  = 99,
}CPE_ECT_PARPRICE_CHANGE;

[Basket ]
CpElwCode.
value = object.GetStockElwBasketCodeList( code )

Elw ()
: ()

value = object.GetStockElwBasketCompList( code )

Elw ()
: ()

[ ]
value = object.GetStockListByMarket(CPE_MARKET_KIND code )

: (CPE_MARKET_KIND) ()

VB ex)
Dim WorkKey As New CpTdUtil
Dim codes As Variant
codes = CodeMgr. GetStockListByMarket (CPC_MARKET_KIND_KOSPI)'
For i = LBound(codes) To UBound(codes)
    Debug.Print codes(i)
    Debug.Print CodeMgr. CodeToName(codes(i))
Next
VC++ ex)
ICpCodeMgrPtr codeMgr;
codeMgr.CreateInstance(_uuidof(CpCodeMgr));

variant_t vArray, vItem;
CComSafeArray<VARIANT> sa;
vArray = codeMgr->GetIndustryList();
sa.Attach(vArray.Detach().parray);
for (LONG nlb = sa.GetLowerBound(), nub = sa.GetUpperBound(); nlb <= nub; nlb++)
{
    vItem = sa.GetAt(nlb);
    _tprintf(_T("%s\n"), (LPCTSTR)(bstr_t)vItem);
}

value = object.**GetGroupCodeList**( code )
(700 ~799 ) (GetIndustryList)
: ()

VB ex)
Dim CodeMgr As New CpCodeMgr
Dim codes As Variant
codes = CodeMgr.**GetGroupCodeList**(24) ' 24
For i = LBound(codes) To UBound(codes)
    Debug.Print codes(i)
Next

value = object.**GetGroupName**( code )
(700 ~799 )
:

object.**GetIndustryList**()
.
: ()

VB ex)
Dim CodeMgr As New CpCodeMgr
Dim codes As Variant
codes = CodeMgr.**GetIndustryList**()
For i = LBound(codes) To UBound(codes)
    Debug.Print codes(i)
Next

value = object.**GetIndustryName**( code )
object. **GetMemberList** ()

0 .
: ()

value = object. **GetMemberName** ( code )

0 :

object. **GetKosdaqIndustry1List** ()

. :
: ()

object. **GetKosdaqIndustry2List** ()

.
:

**VB ex**

Dim CodeMgr As New CpCodeMgr
Dim codes As Variant
codes = CodeMgr. **GetKosdaqIndustry2List** ()
For i = LBound(codes) To UBound(codes)
    Debug.Print codes(i)
Next

[ ]
value = object. **GetMarketStartTime** ()

(ex 9 9)

:

value = object. **GetMarketEndTime** ()

(ex 3 15)
**CpUsCode**

: CpUtil.dll

**Method**

Value = object.**GetUsCodeList**(USTYPE UsType)

UsType

- **UsType(USTYPE):**

  USTYPE_ALL : - 1
  USTYPE_CONTRY : - 2
  USTYPE_UPJONG : 3
  USTYPE_JONGMOK : - 4
  USTYPE_DR : - 5
  USTYPE_RAW : - 6
  USTYPE_EXCHANGE : - 7

- **(String Array):**

  value = object.**GetNameByUsCode**(String UsCode)

- **UsCode(String) :**

- **(String):**

  VB ex)
  Dim CpUsCode As New CpUsCode
Dim codes As Variant
codes = CpUsCode.GetUsCodeList(USTYPE_CONTRY)
For i = LBound(codes) To UBound(codes)
    Debug.Print codes(i)
    Debug.Print CpUsCode.GetNameByUsCode(codes(i))
Next
CpCalcOptGreeks

: Greeks

: CpUtil.dll

**Method**

object.Calculate()

**Property**

Property Greeks

Object.CallPutType = Value

CALLPUT_TYPE() - Call Put

- **OT_CALL**:

- **OT_PUT**:

  Object.Price = Value
double() -

  Object.UnderPrice = Value
double() -

  Object.ExerPrice = Value
double() -

  Object.VolatilityType = Value

VOLATILITY_TYPE() -

- **VT_HISTORY**:

- **VT IMPLIED**:

  Object.Volatility = Value
double() -
    Object.ExpirDays = Value
double() -
    Object.RFInterRate = Value
double() -
    Object.DividRate = Value
double() -
    Value = Object.TV
double() -
    Value = Object.Delta
double() -
    Value = Object.Gamma
double() -
    Value = Object.Theta
double() -
    Value = Object.Vega
double() -
    Value = Object.Rho
double() -
    Value = Object.IV
double() -