

ATAPI Java Reference Documentation

by ActiveTick LLC

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ActiveTick API utilizes an asynchronous request-response model. All request calls initiated from the API are sent to the server for processing and return immediately with success or fail flag. When responses come back for each call, the API calls an appropriate callback function with the payload for each response. It is important to provide all of necessary callback functions to the API, otherwise there would not be any way for API to communicate back to the caller of the functions.

The API employs a local time-out mechanism for each request function. If data does not arrive in allotted time, the API will call a provided timeout callback function with the original request handle.

Package
at.feedapi

at.feedapi

Class ActiveTickServerAPI

java.lang.Object

└─at.feedapi.ActiveTickServerAPI

public class **ActiveTickServerAPI**
extends Object

Field Summary

public static final	DEFAULT_REQUEST_TIMEOUT Value: 30000
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Constructor Summary

public	ActiveTickServerAPI()
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Method Summary

long	ATCloseRequest (Session session, long requestId)
long	ATCreateBarHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, ATServerAPIDefines.SYSTIME beginDateTime, ATServerAPIDefines.SYSTIME endDateTime, ATCallback.ATBarHistoryResponseCallback callback)
long	ATCreateBarHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, ATServerAPIDefines.SYSTIME beginDateTime, int recordsWanted, ATServerAPIDefines.ATCursorType cursorType, ATCallback.ATBarHistoryResponseCallback callback)
long	ATCreateBarHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, int recordsWanted, ATCallback.ATBarHistoryResponseCallback callback)
long	ATCreateLoginRequest (Session session, String userId, String password, ATCallback.ATLoginResponseCallback callback) Create ActiveTick user login request.
long	ATCreateMarketHolidayRequest (Session session, short yearsGoingBack, short yearsGoingForward, ATCallback.ATMarketHolidaysResponseCallback callback)
long	ATCreateMarketMoversDbRequest (Session session, List symbols, int symbolCount, ATCallback.ATMarketMoversDbResponseCallback callback)

long	ATCreateMarketMoversStreamRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATStreamRequestType requestType, ATCallback.ATMarketMoversStreamResponseCallback callback)
long	ATCreateQuoteDbRequest (Session session, List symbols, int symbolCount, List fields, int fieldCount, ATCallback.ATQuoteDbResponseCallback callback)
long	ATCreateQuoteStreamRequest (Session session, List symbols, int symbolCount, ATServerAPIDefines.ATStreamRequestType requestType, ATCallback.ATQuoteStreamResponseCallback callback)
Session	ATCreateSession ()
long	ATCreateTickHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, ATServerAPIDefines.SYSTIME beginDateTime, ATServerAPIDefines.SYSTIME endDateTime, ATCallback.ATTickHistoryResponseCallback callback)
long	ATCreateTickHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, ATServerAPIDefines.SYSTIME beginDateTime, int recordsWanted, ATServerAPIDefines.ATCursorType cursorType, ATCallback.ATTickHistoryResponseCallback callback)
long	ATCreateTickHistoryDbRequest (Session session, ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, int recordsWanted, ATCallback.ATTickHistoryResponseCallback callback)
int	ATGetAPIVersion ()
long	ATGetSessionTotalRecvedByteCount (Session session)
boolean	ATInitAPI ()
boolean	ATInitSession (Session session, String primaryServerHostname, String backupServerHostname, int serverPort, ATCallback.ATSessionStatusChangeCallback callback)
void	ATRedirectPumpMessage (Session session, MessageUnit messageUnit)
boolean	ATSendRequest (Session session, long requestId, int timeout, ATCallback.ATRequestTimeoutCallback callback) Send request to the server.
boolean	ATServerTimeUpdateCallBack (Session session, ATCallback.ATServerTimeUpdateCallBack callback)
long	ATSetAPIUserId (Session session, ATServerAPIDefines.ATGUID apiUserId)
boolean	ATSetStreamUpdateCallback (Session session, ATCallback.ATStreamUpdateCallback callback)
boolean	ATShutdownAPI ()

void	ATShutdownSession (Session session)
String	GetAPIVersionInformation ()

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

DEFAULT_REQUEST_TIMEOUT

```
public static final int DEFAULT_REQUEST_TIMEOUT
```

Constant value: 30000

Constructors

ActiveTickServerAPI

```
public ActiveTickServerAPI()
```

Methods

ATInitAPI

```
public boolean ATInitAPI()
```

ATShutdownAPI

```
public boolean ATShutdownAPI()
```

GetAPIVersionInformation

```
public String GetAPIVersionInformation()
```

ATGetAPIVersion

```
public int ATGetAPIVersion()
```

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ATCreateSession

```
public Session ATCreateSession()
```

ATSetAPIUserId

```
public long ATSetAPIUserId(Session session,  
    ATServerAPIDefines.ATGUID apiUserId)
```

ATInitSession

```
public boolean ATInitSession(Session session,  
    String primaryServerHostname,  
    String backupServerHostname,  
    int serverPort,  
    ATCallback.ATSessionStatusChangeCallback callBack)
```

ATShutdownSession

```
public void ATShutdownSession(Session session)
```

ATGetSessionTotalRecvedByteCount

```
public long ATGetSessionTotalRecvedByteCount(Session session)
```

ATCloseRequest

```
public long ATCloseRequest(Session session,  
    long requestId)
```

ATRedirectPumpMessage

```
protected void ATRedirectPumpMessage(Session session,  
    MessageUnit messageUnit)
```

ATServerTimeUpdateCallBack

```
protected boolean ATServerTimeUpdateCallBack(Session session,  
    ATCallback.ATServerTimeUpdateCallback callback)
```

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ATSetStreamUpdateCallback

```
protected boolean ATSetStreamUpdateCallback(Session session,  
                                              ATCallback.ATStreamUpdateCallback callback)
```

ATCreateBarHistoryDbRequest

```
protected long ATCreateBarHistoryDbRequest(Session session,  
                                              ATServerAPIDefines.ATSYMBOL symbol,  
                                              ATServerAPIDefines.ATBarHistoryType barHistoryType,  
                                              short intradayMinuteCompression,  
                                              ATServerAPIDefines.SYSTETIME beginDateTime,  
                                              ATServerAPIDefines.SYSTETIME endDateTime,  
                                              ATCallback.ATBarHistoryResponseCallback callback)
```

ATCreateBarHistoryDbRequest

```
protected long ATCreateBarHistoryDbRequest(Session session,  
                                              ATServerAPIDefines.ATSYMBOL symbol,  
                                              ATServerAPIDefines.ATBarHistoryType barHistoryType,  
                                              short intradayMinuteCompression,  
                                              int recordsWanted,  
                                              ATCallback.ATBarHistoryResponseCallback callback)
```

ATCreateBarHistoryDbRequest

```
protected long ATCreateBarHistoryDbRequest(Session session,  
                                              ATServerAPIDefines.ATSYMBOL symbol,  
                                              ATServerAPIDefines.ATBarHistoryType barHistoryType,  
                                              short intradayMinuteCompression,  
                                              ATServerAPIDefines.SYSTETIME beginDateTime,  
                                              int recordsWanted,  
                                              ATServerAPIDefines.ATCursorType cursorType,  
                                              ATCallback.ATBarHistoryResponseCallback callback)
```

ATCreateTickHistoryDbRequest

```
protected long ATCreateTickHistoryDbRequest(Session session,  
                                              ATServerAPIDefines.ATSYMBOL symbol,  
                                              boolean selectTrades,  
                                              boolean selectQuotes,  
                                              ATServerAPIDefines.SYSTETIME beginDateTime,  
                                              ATServerAPIDefines.SYSTETIME endDateTime,  
                                              ATCallback.ATTickHistoryResponseCallback callback)
```

ATCreateTickHistoryDbRequest

```
protected long ATCreateTickHistoryDbRequest(Session session,  
                                              ATServerAPIDefines.ATSYMBOL symbol,  
                                              boolean selectTrades,  
                                              boolean selectQuotes,  
                                              int recordsWanted,  
                                              ATCallback.ATTickHistoryResponseCallback callback)
```

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ATCreateTickHistoryDbRequest

```
protected long ATCreateTickHistoryDbRequest(Session session,  
    ATServerAPIDefines.ATSYMBOL symbol,  
    boolean selectTrades,  
    boolean selectQuotes,  
    ATServerAPIDefines.SYSTIME beginDateTime,  
    int recordsWanted,  
    ATServerAPIDefines.ATCursorType cursorType,  
    ATCallback.ATTickHistoryResponseCallback callback)
```

ATCreateLoginRequest

```
public long ATCreateLoginRequest(Session session,  
    String userId,  
    String password,  
    ATCallback.ATLoginResponseCallback callback)
```

Create ActiveTick user login request.

Parameters:

`session` - Session instance created with prior call to `ATCreateSession()`.

`userid` - ActiveTick user id.

`password` - ActiveTick user password.

`ATLoginResponseCallback` - callback handler instance. This function will be called when API receives a login response from the server.

Returns:

long Returns a handle to the request. This handle must be used with `ATSendRequest` function.

See Also:

[ATCallback.ATLoginResponseCallback](#)

`ATInitSession`

ATCreateMarketHolidayRequest

```
protected long ATCreateMarketHolidayRequest(Session session,  
    short yearsGoingBack,  
    short yearsGoingForward,  
    ATCallback.ATMarketHolidaysResponseCallback callback)
```

ATCreateMarketMoversDbRequest

```
protected long ATCreateMarketMoversDbRequest(Session session,  
    List symbols,  
    int symbolCount,  
    ATCallback.ATMarketMoversDbResponseCallback callback)
```

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ATCreateMarketMoversStreamRequest

```
protected long ATCreateMarketMoversStreamRequest(Session session,  
    ATServerAPIDefines.ATSYMBOL symbol,  
    ATServerAPIDefines.ATStreamRequestType requestType,  
    ATCallback.ATMarketMoversStreamResponseCallback callback)
```

ATCreateQuoteDbRequest

```
protected long ATCreateQuoteDbRequest(Session session,  
    List symbols,  
    int symbolCount,  
    List fields,  
    int fieldCount,  
    ATCallback.ATQuoteDbResponseCallback callback)
```

ATCreateQuoteStreamRequest

```
protected long ATCreateQuoteStreamRequest(Session session,  
    List symbols,  
    int symbolCount,  
    ATServerAPIDefines.ATStreamRequestType requestType,  
    ATCallback.ATQuoteStreamResponseCallback callback)
```

ATSendRequest

```
public boolean ATSendRequest(Session session,  
    long requestId,  
    int timeout,  
    ATCallback.ATRequestTimeoutCallback callback)
```

Send request to the server.

Parameters:

`session` - Session instance which initiated original request.
`request` - Request handle generated by one of the request methods.
`timeout` - Time out in milliseconds to wait before `ATRequestTimeoutCallback` callback is called. To use default time out, specify `DEFAULT_REQUEST_TIMEOUT` constant.
`ATRequestTimeoutCallback` - callback method. This method will be called if time out is reached.

Returns:

true if successful or false otherwise.

at.feedapi

Class ActiveTickServerRequester

java.lang.Object

└─at.feedapi.ActiveTickServerRequester

public class **ActiveTickServerRequester**
extends Object

Field Summary

public	<u>m_StreamListener</u>
public static	<u>s_MapRequests</u>

Constructor Summary

public	<u>ActiveTickServerRequester</u> (<u>Session</u> session, <u>ActiveTickStreamListener</u> streamListener) ActiveTickServerRequestor constructor.
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Method Summary

void	<u>Cleanup</u> ()
long	<u>CloseAllRequests</u> () Closes all outstanding requests.
long	<u>CloseATRequest</u> (long request) Close specific request.
static void	<u>Destroy</u> ()
static void	<u>Init</u> ()
void	<u>OnBarHistoryDbResponse</u> (long origRequest, <u>ATServerAPIDefines.ATBarHistoryResponseType</u> responseType, Vector vecData) Override to receive response sent through SendATBarHistoryDbRequest
void	<u>OnMarketHolidaysResponse</u> (long origRequest, Vector vecData)
void	<u>OnMarketMoversDbResponse</u> (long origRequest, <u>ATServerAPIDefines.ATMarketMoversDbResponseType</u> responseType, Vector vecData) Override to receive response sent through SendATMarketMoversDbRequest

void	OnMarketMoversStreamResponse (long origRequest, ATServerAPIDefines.ATStreamResponseType responseType, ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE response) Override to receive response sent through SendATMarketMoversStreamRequest
void	OnQuoteDbResponse (long origRequest, ATServerAPIDefines.ATQuoteDbResponseType responseType, Vector vecData) Override to receive response sent through SendATQuoteDbRequest
void	OnQuoteStreamResponse (long origRequest, ATServerAPIDefines.ATStreamResponseType responseType, Vector vecData) Override to receive response sent through SendATQuoteStreamRequest
void	OnRequestTimeoutCallback (long origRequest) Override to get notified when a request timesout
void	OnTickHistoryDbResponse (long origRequest, ATServerAPIDefines.ATTickHistoryResponseType responseType, Vector vecData) Override to receive response sent through SendATTickHistoryDbRequest
long	SendATBarHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, ATServerAPIDefines.SYSTETIME beginDateTime, ATServerAPIDefines.SYSTETIME endDateTime, int timeout) Send request for history bars.
long	SendATBarHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, ATServerAPIDefines.SYSTETIME beginDateTime, int recordsWanted, ATServerAPIDefines.ATCursorType cursorType, int timeout) Send request for history bars.
long	SendATBarHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, ATServerAPIDefines.ATBarHistoryType barHistoryType, short intradayMinuteCompression, int recordsWanted, int timeout) Send request for history bars.
long	SendATLoginRequest (String userid, String password, long timeout)
long	SendATMarketHolidaysRequest (short yearsGoingBack, short yearsGoingForward, long timeout)
long	SendATMarketMoversDbRequest (List symbolList, int symbolCount, long timeout) Send market movers real-time snapshot database request.
long	SendATMarketMoversStreamRequest (List symbolList, int symbolCount, ATServerAPIDefines.ATStreamRequestType requestType, long timeout) Send market movers real-time stream request.
long	SendATQuoteDbRequest (List symbolList, int symbolCount, List fieldsList, int fieldCount, long timeout) Send real-time quote snapshot database request.
long	SendATQuoteStreamRequest (List symbolList, int symbolCount, ATServerAPIDefines.ATStreamRequestType requestType, long timeout) Send real-time quote stream request.

long	SendATTickHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, ATServerAPIDefines.SYSTEMTIME beginDateTime, ATServerAPIDefines.SYSTEMTIME endDateTime, int timeout) Send request for tick data.
long	SendATTickHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, ATServerAPIDefines.SYSTEMTIME beginDateTime, int recordsWanted, ATServerAPIDefines.ATCursorType cursorType, int timeout) Sends request for tick data.
long	SendATTickHistoryDbRequest (ATServerAPIDefines.ATSYMBOL symbol, boolean selectTrades, boolean selectQuotes, int recordsWanted, int timeout) Send request for tick data.

Methods inherited from class `java.lang.Object`

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

s_MapRequests

public static `java.util.concurrent.ConcurrentHashMap` **s_MapRequests**

m_StreamListener

public `at.feedapi.ActiveTickStreamListener` **m_StreamListener**

Constructors

ActiveTickServerRequester

public **ActiveTickServerRequester**([Session](#) session, [ActiveTickStreamListener](#) streamListener)

ActiveTickServerRequestor constructor.

Parameters:

- `session` - Session instance created by `ATCreateSession` function.
- `streamListener` - `ActiveTickStreamListener` instance to receive stream responses.

See Also:

`ATCreateSession`

Methods

Cleanup

protected void **Cleanup**()

CloseAllRequests

```
public long CloseAllRequests()
```

Closes all outstanding requests.

Returns:

long Number of requests closed.

CloseATRequest

```
protected long CloseATRequest(long request)
```

Close specific request.

Parameters:

request - Request id for which to close the request.

Returns:

0 for success, any other number for some kind of failure.

SendATBarHistoryDbRequest

```
public long SendATBarHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,
    ATServerAPIDefines.ATBarHistoryType barHistoryType,
    short intradayMinuteCompression,
    ATServerAPIDefines.SYSTIME beginDateTime,
    ATServerAPIDefines.SYSTIME endDateTime,
    int timeout)
```

Send request for history bars. This function selects bars between two specific times.

Parameters:

symbol - ATSYMBOL for which to create the request.

barHistoryType - One of ATBarHistoryType types.

intradayMinuteCompression - If barHistoryType is BarHistoryIntraday, then this parameter specifies a range of 1-60 minutes bar compression, otherwise it should be 0.

beginDateTime - Beginning of the date+time range.

endDateTime - Ending of the date+time range.

Returns:

long Returns request id.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)

[ATBarHistoryType](#)

[ATCallback.ATBarHistoryResponseCallback](#)

[ATCreateSession](#)

[ATSendRequest](#)

SendATBarHistoryDbRequest

```
public long SendATBarHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,
    ATServerAPIDefines.ATBarHistoryType barHistoryType,
    short intradayMinuteCompression,
    int recordsWanted,
    int timeout)
```

Send request for history bars. This function selects latest bars from present time, going back to specified count of bars.

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Parameters:

symbol - ATSYMBOL for which to create the request.
barHistoryType - One of ATBarHistoryType types.
intradayMinuteCompression - If barHistoryType is BarHistoryIntraday, then this parameter specifies a range of 1-60 minutes bar compression, otherwise it should be 0.
recordsWanted - Bars to retrieve.

Returns:

long Returns request id.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
ATBarHistoryType
[ATCallback.ATBarHistoryResponseCallback](#)
ATCreateSession
ATSendRequest

SendATBarHistoryDbRequest

```
public long SendATBarHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,  
    ATServerAPIDefines.ATBarHistoryType barHistoryType,  
    short intradayMinuteCompression,  
    ATServerAPIDefines.SYSTEMTIME beginDateTime,  
    int recordsWanted,  
    ATServerAPIDefines.ATCursorType cursorType,  
    int timeout)
```

Send request for history bars. This function selects bars from a given time point, and using the back or forward cursor, retrieves specified count of bars.

Parameters:

symbol - ATSYMBOL for which to create the request.
barHistoryType - One of ATBarHistoryType types.
intradayMinuteCompression - If barHistoryType is BarHistoryIntraday, then this parameter specifies a range of 1-60 minutes bar compression, otherwise it should be 0.
beginDateTime - Beginning of the date+time range.
recordsWanted - Bars to retrieve.
cursorType - One of the ATCursorType types, specifying which direction to move to.

Returns:

long Returns request id.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
ATBarHistoryType
[ATCallback.ATBarHistoryResponseCallback](#)
ATCreateSession
ATSendRequest

SendATLoginRequest

```
public long SendATLoginRequest(String userid,  
    String password,  
    long timeout)
```

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SendATMarketHolidaysRequest

```
public long SendATMarketHolidaysRequest(short yearsGoingBack,  
    short yearsGoingForward,  
    long timeout)
```

SendATMarketMoversDbRequest

```
public long SendATMarketMoversDbRequest(List symbolList,  
    int symbolCount,  
    long timeout)
```

Send market movers real-time snapshot database request.

Parameters:

`symbolList` - List for which to retrieve market movers records.
`symbolCount` - Count of symbols inside the symbols list.
`timeout` - milliseconds.

Returns:

`uint64_t` Returns a handle to the request. This handle must be used with `ATSendRequest` function.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
[ATCallback.ATMarketMoversDbResponseCallback](#)
`ATInitSession`

SendATMarketMoversStreamRequest

```
public long SendATMarketMoversStreamRequest(List symbolList,  
    int symbolCount,  
    ATServerAPIDefines.ATStreamRequestType requestType,  
    long timeout)
```

Send market movers real-time stream request.

Parameters:

`symbolList` - List for which to retrieve market movers records.
`symbolCount` - Count of symbols inside the symbols list.
`requestType` - One of the `ATStreamRequestType` types specifying which type of stream operation to perform.
`timeout` - milliseconds.

Returns:

`long` Returns a handle to the request.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
[ATCallback.ATMarketMoversStreamResponseCallback](#)
`ATInitSession`

SendATQuoteDbRequest

```
public long SendATQuoteDbRequest(List symbolList,  
    int symbolCount,  
    List fieldsList,  
    int fieldCount,  
    long timeout)
```

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Send real-time quote snapshot database request.

Parameters:

`symbolList` - List for which to retrieve market movers records.
`symbolCount` - Count of symbols inside the symbols list.
`fieldsList` - List of `ATQuoteFieldTypes` for which to retrieve the values.
`fieldCount` - Count of fields inside the `fieldsList`.

Returns:

long Returns a handle to the request.

See Also:

[`ATServerAPIDefines.ATSYMBOL`](#)
[`ATCallback.ATQuoteDbResponseCallback`](#)
`ATInitSession`

SendATQuoteStreamRequest

```
public long SendATQuoteStreamRequest(List symbolList,  
    int symbolCount,  
    ATServerAPIDefines.ATStreamRequestType requestType,  
    long timeout)
```

Send real-time quote stream request.

Parameters:

`symbolList` - List for which to retrieve market movers records.
`symbolCount` - Count of symbols inside the symbols list.
`requestType` - One of the `ATStreamRequestType` specifying the type of stream operation.

Returns:

long Returns a handle to the request.

See Also:

[`ATServerAPIDefines.ATSYMBOL`](#)
[`ATCallback.ATQuoteStreamResponseCallback`](#)
`ATInitSession`

SendATTickHistoryDbRequest

```
public long SendATTickHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,  
    boolean selectTrades,  
    boolean selectQuotes,  
    ATServerAPIDefines.SYSTIME beginDateTime,  
    ATServerAPIDefines.SYSTIME endDateTime,  
    int timeout)
```

Send request for tick data. This function selects tick data between two specific datetimes.

Parameters:

`symbol` - `ATSYMBOL` for which to create the request.
`selectTrades` - If set to true, the server will return TRADE records.
`selectQuotes` - If set to true, the server will return QUOTE records.
`beginDateTime` - Beginning of the date+time range.
`endDateTime` - Ending of the date+time range.
`timeout`

Returns:

long Returns a handle to the request.

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See Also:

[ATServerAPIDefines.ATSYMBOL](#)
[ATCallback.ATTickHistoryResponseCallback](#)
 ATCreateSession
 ATSendRequest

SendATTickHistoryDbRequest

```
public long SendATTickHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,
    boolean selectTrades,
    boolean selectQuotes,
    int recordsWanted,
    int timeout)
```

Send request for tick data. This function selects latest tick data from present time, going back to specified count of records.

Parameters:

symbol - ATSYMBOL for which to create the request.
 selectTrades - If set to true, the server will return TRADE records.
 selectQuotes - If set to true, the server will return QUOTE records.
 recordsWanted - Records to retrieve.
 timeout

Returns:

long Returns a handle to the request.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
[ATCallback.ATTickHistoryResponseCallback](#)
 ATCreateSession
 ATSendRequest

SendATTickHistoryDbRequest

```
public long SendATTickHistoryDbRequest(ATServerAPIDefines.ATSYMBOL symbol,
    boolean selectTrades,
    boolean selectQuotes,
    ATServerAPIDefines.SYSTIME beginDateTime,
    int recordsWanted,
    ATServerAPIDefines.ATCursorType cursorType,
    int timeout)
```

Sends request for tick data. This function selects tick data from a given time point, and using the back or forward cursor, retrieves specified count of records.

Parameters:

symbol - ATSYMBOL for which to create the request.
 selectTrades - If set to true, the server will return TRADE records.
 selectQuotes - If set to true, the server will return QUOTE records.
 beginDateTime - Beginning of the date+time range.
 recordsWanted - Records to retrieve.
 cursorType - One of the ATCursorType enum types, specifying which direction to move to.

Returns:

long Returns a handle to the request.

See Also:

[ATServerAPIDefines.ATSYMBOL](#)
[ATCallback.ATTickHistoryResponseCallback](#)
 ATCreateSession

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ATSendRequest

OnRequestTimeoutCallback

```
protected void OnRequestTimeoutCallback(long origRequest)
```

Override to get notified when a request timesout

Parameters:

long - Original request id

Returns:

void

OnBarHistoryDbResponse

```
protected void OnBarHistoryDbResponse(long origRequest,  
    ATServerAPIDefines.ATBarHistoryResponseType responseType,  
    Vector vecData)
```

Override to receive response sent through SendATBarHistoryDbRequest

Parameters:

long - Original request id

responseType - ATBarHistoryResponseType indicating response status

Vector - response is received in a Vector

Returns:

void

OnTickHistoryDbResponse

```
protected void OnTickHistoryDbResponse(long origRequest,  
    ATServerAPIDefines.ATTickHistoryResponseType responseType,  
    Vector vecData)
```

Override to receive response sent through SendATTickHistoryDbRequest

Parameters:

long - Original request id

responseType - ATTickHistoryResponseType indicating response status

Vector - response is received in a Vector

Returns:

void

OnMarketHolidaysResponse

```
protected void OnMarketHolidaysResponse(long origRequest,  
    Vector vecData)
```

OnMarketMoversDbResponse

```
protected void OnMarketMoversDbResponse(long origRequest,  
    ATServerAPIDefines.ATMarketMoversDbResponseType responseType,  
    Vector vecData)
```

Override to receive response sent through SendATMarketMoversDbRequest

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Parameters:

long - Original request id
responseType - ATMarketMoversDbResponseType indicating response status
Vector - response is received in a Vector

Returns:

void

See Also:

SendATMarketMoversDbRequest

OnMarketMoversStreamResponse

```
protected void OnMarketMoversStreamResponse(long origRequest,  
    ATServerAPIDefines.ATStreamResponseType responseType,  
    ATServerAPIDefines.ATMARKET\_MOVERS\_STREAM\_RESPONSE response)
```

Override to receive response sent through SendATMarketMoversStreamRequest

Parameters:

long - Original request id
responseType - ATStreamResponseType indicating response status
Vector - response is received in a Vector

Returns:

void

See Also:

SendATMarketMoversStreamRequest

OnQuoteDbResponse

```
protected void OnQuoteDbResponse(long origRequest,  
    ATServerAPIDefines.ATQuoteDbResponseType responseType,  
    Vector vecData)
```

Override to receive response sent through SendATQuoteDbRequest

Parameters:

long - Original request id
responseType - ATQuoteDbResponseType indicating response status
Vector - response is received in a Vector

Returns:

void

See Also:

SendATQuoteDbRequest

OnQuoteStreamResponse

```
protected void OnQuoteStreamResponse(long origRequest,  
    ATServerAPIDefines.ATStreamResponseType responseType,  
    Vector vecData)
```

Override to receive response sent through SendATQuoteStreamRequest

Parameters:

long - Original request id

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`responseType` - `ATStreamResponseType` indicating response status

`Vector` - response is received in a `Vector`

Returns:

`void`

See Also:

`SendATQuoteStreamRequest`

Init

```
protected static void Init()
```

Destroy

```
protected static void Destroy()
```

at.feedapi

Class ActiveTickStreamListener

java.lang.Object

└─at.feedapi.ActiveTickStreamListener

public class **ActiveTickStreamListener**
extends Object

Constructor Summary

public	ActiveTickStreamListener (Session session, boolean processAllUpdates) ActiveTickStreamListener constructor.
--------	---

Method Summary

void	AddSymbols (List symbols, int symbolCount) Method used for adding subscription symbols.
void	Cleanup ()
static void	Destroy () Internal use
static void	Init () Internal use
void	OnATStreamQuoteUpdate (ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE update) Override OnATStreamQuoteUpdate method which is called by ActiveTick API when quote message is received for subscribed symbol.
void	OnATStreamRefreshUpdate (ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE update) Override OnATStreamRefreshUpdate method which is called by ActiveTick API when refresh message is received for subscribed symbol.
void	OnATStreamTopMarketMoversUpdate (ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE update) Override OnATStreamTopMarketMoversUpdate method which is called by ActiveTick API when market movers message is received for subscribed symbol.
void	OnATStreamTradeUpdate (ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE update) Override OnATStreamTradeUpdate method which is called by ActiveTick API when trade message is received for subscribed symbol.
void	ProcessStreamUpdate (ATServerAPIDefines.ATSTREAM_UPDATE update) Internal use
static void	ProcessStreamUpdateForAllListeners (ATServerAPIDefines.ATSTREAM_UPDATE update) Internal use

void

[RemoveSymbols](#)(List symbols, int symbolCount)

Method used for removing subscription symbols.

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

ActiveTickStreamListener

```
public ActiveTickStreamListener(Session session,
                                boolean processAllUpdates)
```

ActiveTickStreamListener constructor.

Parameters:`hSession` - Session object created by ATCreateSession function.`processAllUpdates` - If set to FALSE, each notification will be checked against all subscribed symbols.**See Also:**

ATCreateSession

Methods

Cleanup

```
public void Cleanup()
```

AddSymbols

```
public void AddSymbols(List symbols,
                       int symbolCount)
```

Method used for adding subscription symbols.

Parameters:`symbols` - List of subscription symbols`symbolCount` - number of subscription symbols

RemoveSymbols

```
public void RemoveSymbols(List symbols,
                          int symbolCount)
```

Method used for removing subscription symbols.

Parameters:`symbols` - List of subscription symbols`symbolCount` - number of subscription symbols

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ProcessStreamUpdate

protected void **ProcessStreamUpdate**([ATServerAPIDefines.ATSTREAM_UPDATE](#) update)

Internal use

Init

protected static void **Init**()

Internal use

Destroy

protected static void **Destroy**()

Internal use

ProcessStreamUpdateForAllListeners

protected static void **ProcessStreamUpdateForAllListeners**([ATServerAPIDefines.ATSTREAM_UPDATE](#) update)

Internal use

OnATStreamTradeUpdate

protected void **OnATStreamTradeUpdate**([ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE](#) update)

Override OnATStreamTradeUpdate method which is called by ActiveTick API when trade message is received for subscribed symbol.

Parameters:

update - Instance of ATQUOTESTREAM_TRADE_UPDATE containing trade notification data.

See Also:

[ATQUOTESTREAM_TRADE_UPDATE](#)

[ActiveTickServerRequestor::SendATQuoteStreamRequest](#)

OnATStreamQuoteUpdate

protected void **OnATStreamQuoteUpdate**([ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE](#) update)

Override OnATStreamQuoteUpdate method which is called by ActiveTick API when quote message is received for subscribed symbol.

Parameters:

update - Instance of ATQUOTESTREAM_QUOTE_UPDATE containing quote notification data.

See Also:

[ATQUOTESTREAM_QUOTE_UPDATE](#)

[ActiveTickServerRequestor::SendATQuoteStreamRequest](#)

OnATStreamRefreshUpdate

protected void **OnATStreamRefreshUpdate**([ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE](#) update)

(continued from last page)

Override OnATStreamRefreshUpdate method which is called by ActiveTick API when refresh message is received for subscribed symbol.

Parameters:

update - Instance of ATQUOTESTREAM_REFRESH_UPDATE containing refresh notification data.

See Also:

ATQUOTESTREAM_REFRESH_UPDATE

ActiveTickServerRequestor::SendATQuoteStreamRequest

OnATStreamTopMarketMoversUpdate

protected void

OnATStreamTopMarketMoversUpdate([ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE](#) update)

Override OnATStreamTopMarketMoversUpdate method which is called by ActiveTick API when market movers message is received for subscribed symbol.

Parameters:

update - Instance of ATMARKET_MOVERS_STREAM_UPDATE containing market movers notification data.

See Also:

ATMARKET_MOVERS_STREAM_UPDATE

ActiveTickServerRequestor::SendATQuoteStreamRequest

at.feedapi

Class ATCallback

java.lang.Object

└─at.feedapi.ATCallback

public class **ATCallback**
extends Object

Nested Class Summary

class	ATCallback.ATBarHistoryResponseCallback ATCallback.ATBarHistoryResponseCallback
class	ATCallback.ATLoginResponseCallback ATCallback.ATLoginResponseCallback
class	ATCallback.ATMarketHolidaysResponseCallback ATCallback.ATMarketHolidaysResponseCallback
class	ATCallback.ATMarketMoversDbResponseCallback ATCallback.ATMarketMoversDbResponseCallback
class	ATCallback.ATMarketMoversStreamResponseCallback ATCallback.ATMarketMoversStreamResponseCallback
class	ATCallback.ATQuoteDbResponseCallback ATCallback.ATQuoteDbResponseCallback
class	ATCallback.ATQuoteStreamResponseCallback ATCallback.ATQuoteStreamResponseCallback
class	ATCallback.ATRequestTimeoutCallback ATCallback.ATRequestTimeoutCallback
class	ATCallback.ATServerTimeUpdateCallback ATCallback.ATServerTimeUpdateCallback
class	ATCallback.ATSessionStatusChangeCallback ATCallback.ATSessionStatusChangeCallback
class	ATCallback.ATStreamUpdateCallback ATCallback.ATStreamUpdateCallback
class	ATCallback.ATTickHistoryResponseCallback ATCallback.ATTickHistoryResponseCallback

Constructor Summary

public	ATCallback()
--------	------------------------------

Method Summary

void	CallBack()
------	----------------------------

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

ATCallback

```
public ATCallback()
```

Methods

CallBack

```
public void CallBack()
```

at.feedapi

Interface ATCallback.ATBarHistoryResponseCallback

public interface ATCallback.ATBarHistoryResponseCallback
extends

Method Summary	
void	process (long origRequest, ATServerAPIDefines.ATBarHistoryResponseType responseType, BarHistoryDbResponseCollection responseCollection)

Methods

process

```
public void process(long origRequest,
    ATServerAPIDefines.ATBarHistoryResponseType responseType,
    BarHistoryDbResponseCollection responseCollection)
```

at.feedapi

Interface ATCallback.ATLoginResponseCallback

public interface ATCallback.ATLoginResponseCallback
extends

Method Summary	
void	<code>process(Session session, long request, ATServerAPIDefines.ATLOGIN_RESPONSE response)</code>

Methods

process

```
public void process(Session session,
    long request,
    ATServerAPIDefines.ATLOGIN\_RESPONSE response)
```

at.feedapi

Interface ATCallback.ATMarketMoversDbResponseCallback

public interface ATCallback.ATMarketMoversDbResponseCallback
extends

Method Summary

void	<code>process</code> (long origRequest, <code>ATServerAPIDefines.ATMarketMoversDbResponseType</code> responseType, <code>MarketMoversDbResponseCollection</code> responseCollection)
------	--

Methods

process

```
public void process(long origRequest,  
    ATServerAPIDefines.ATMarketMoversDbResponseType responseType,  
    MarketMoversDbResponseCollection responseCollection)
```

at.feedapi Interface ATCallback.ATQuoteDbResponseCallback

public interface ATCallback.ATQuoteDbResponseCallback
extends

Method Summary

void	<code>process</code> (long origRequest, <code>ATServerAPIDefines.ATQuoteDbResponseType</code> responseType, <code>QuoteDbResponseCollection</code> responseCollection)
------	--

Methods

process

```
public void process(long origRequest,  
    ATServerAPIDefines.ATQuoteDbResponseType responseType,  
    QuoteDbResponseCollection responseCollection)
```

at.feedapi

Interface ATCallback.ATQuoteStreamResponseCallback

public interface ATCallback.ATQuoteStreamResponseCallback
extends

Method Summary	
void	process (long origRequest, ATServerAPIDefines.ATStreamResponseType responseType, QuoteStreamResponseCollection responseCollection)

Methods

process

```
public void process(long origRequest,  
    ATServerAPIDefines.ATStreamResponseType responseType,  
    QuoteStreamResponseCollection responseCollection)
```

at.feedapi

Interface ATCallback.ATMarketMoversStreamResponseCallback

public interface ATCallback.ATMarketMoversStreamResponseCallback
extends

Method Summary	
void	process (long origRequest, ATServerAPIDefines.ATStreamResponseType responseType, ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE response)

Methods

process

```
public void process(long origRequest,  
    ATServerAPIDefines.ATStreamResponseType responseType,  
    ATServerAPIDefines.ATMARKET\_MOVERS\_STREAM\_RESPONSE response)
```


at.feedapi

Interface ATCallback.ATStreamUpdateCallback

public interface ATCallback.ATStreamUpdateCallback
extends

Method Summary

void	<code>process(ATServerAPIDefines.ATSTREAM_UPDATE update)</code>
------	---

Methods

process

public void **process**([`ATServerAPIDefines.ATSTREAM_UPDATE`](#) update)

at.feedapi

Interface ATCallback.ATServerTimeUpdateCallback

public interface ATCallback.ATServerTimeUpdateCallback
extends

Method Summary

void	<code>process(ATServerAPIDefines.SYSTEMTIME serverTime)</code>
------	--

Methods

process

public void **process**([`ATServerAPIDefines.SYSTEMTIME`](#) serverTime)

at.feedapi

Interface ATCallback.ATRequestTimeoutCallback

public interface ATCallback.ATRequestTimeoutCallback
extends

Method Summary

void	process (long origRequest)
------	--

Methods

process

public void **process**(long origRequest)

at.feedapi

Interface ATCallback.ATSessionStatusChangeCallback

public interface ATCallback.ATSessionStatusChangeCallback
extends

Method Summary	
void	process (Session session, ATServerAPIDefines.ATSessionStatusType statusType)

Methods

process

```
public void process(Session session,  
    ATServerAPIDefines.ATSessionStatusType statusType)
```

at.feedapi

Interface ATCallback.ATTickHistoryResponseCallback

public interface ATCallback.ATTickHistoryResponseCallback
extends

Method Summary	
void	process (long origRequest, ATServerAPIDefines.ATTickHistoryResponseType responseType, TickHistoryDbResponseCollection responseCollection)

Methods

process

```
public void process(long origRequest,
    ATServerAPIDefines.ATTickHistoryResponseType responseType,
    TickHistoryDbResponseCollection responseCollection)
```

at.feedapi Interface ATCallback.ATMarketHolidaysResponseCallback

public interface ATCallback.ATMarketHolidaysResponseCallback
extends

Method Summary

void	process (long origRequest, MarketHolidaysResponseCollection responseCollection)
------	---

Methods

process

```
public void process(long origRequest,  
    MarketHolidaysResponseCollection responseCollection)
```

at.feedapi

Class ATQuoteDbResponseParser

java.lang.Object

└─at.feedapi.ATQuoteDbResponseParser

public class **ATQuoteDbResponseParser**
extends Object

ATQuoteDbResponseParser class. This class is used for parsing the quote database response initiated by ATCreateQuoteDbRequest.

See Also:

ATCreateQuoteDbRequest

Constructor Summary

public	ATQuoteDbResponseParser (ATServerAPIDefines.ATQUOTEDB_RESPONSE response, int responseCount)
--------	--

Method Summary

short	GetDataItemCount()
byte[]	GetDataItemData()
ATServerAPIDefines.ATFieldStatus	GetDataItemFieldstatus()
ATServerAPIDefines.ATQuoteFieldType	GetDataItemQuoteFieldType()
String	GetSymbol()
short	GetSymbolCount()
ATServerAPIDefines.ATSymbolStatus	GetSymbolStatus()
boolean	isValid()
boolean	MoveToFirstDataItem()
boolean	MoveToFirstResponse()
boolean	MoveToNextDataItem()
boolean	MoveToNextResponse()

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructors

ATQuoteDbResponseParser

```
public ATQuoteDbResponseParser(ATServerAPIDefines.ATQUOTEDB\_RESPONSE response,  
                               int responseCount)
```

Methods

isValid

```
public boolean isValid()
```

MoveToFirstResponse

```
public boolean MoveToFirstResponse()
```

MoveToNextResponse

```
public boolean MoveToNextResponse()
```

MoveToFirstDataItem

```
public boolean MoveToFirstDataItem()
```

MoveToNextDataItem

```
public boolean MoveToNextDataItem()
```

GetSymbol

```
public String GetSymbol()
```

GetSymbolStatus

```
public ATServerAPIDefines.ATSymbolStatus GetSymbolStatus()
```

GetSymbolCount

```
public short GetSymbolCount()
```

GetDataItemCount

```
public short GetDataItemCount()
```

GetDataItemQuoteFieldType

```
public ATServerAPIDefines.ATQuoteFieldType GetDataItemQuoteFieldType()
```

GetDataItemFieldstatus

```
public ATServerAPIDefines.ATFieldStatus GetDataItemFieldstatus()
```

GetDataItemData

```
public byte[] GetDataItemData()
```

at.feedapi Interface ATStreamUpdateListener

public interface **ATStreamUpdateListener**
extends

Method Summary

void	<u>OnATStreamQuoteUpdate</u> (<u>ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE</u> update)
void	<u>OnATStreamRefreshUpdate</u> (<u>ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE</u> update)
void	<u>OnATStreamTopMarketMoversUpdate</u> (<u>ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE</u> update)
void	<u>OnATStreamTradeUpdate</u> (<u>ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE</u> update)

Methods

OnATStreamTradeUpdate

public void **OnATStreamTradeUpdate**([ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE](#) update)

OnATStreamQuoteUpdate

public void **OnATStreamQuoteUpdate**([ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE](#) update)

OnATStreamRefreshUpdate

public void **OnATStreamRefreshUpdate**([ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE](#) update)

OnATStreamTopMarketMoversUpdate

public void **OnATStreamTopMarketMoversUpdate**([ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE](#) update)

at.feedapi

Class BarHistoryDbResponseCollection

java.lang.Object

└─at.feedapi.BarHistoryDbResponseCollection

public class **BarHistoryDbResponseCollection**
extends Object

Field Summary

public	m_vecBarHistoryRecords
--------	--

Constructor Summary

public	BarHistoryDbResponseCollection(ATServerProtocolDefines.AT_BARHISTORY_RESP resp, byte[] bytes, int currOffset)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecBarHistoryRecords

public java.util.Vector **m_vecBarHistoryRecords**

Constructors

BarHistoryDbResponseCollection

```
public BarHistoryDbResponseCollection(ATServerProtocolDefines.AT\_BARHISTORY\_RESP resp,  
                                     byte[] bytes,  
                                     int currOffset)
```

at.feedapi

Class EventType

java.lang.Object

└─at.feedapi.EventType

public class **EventType**
extends Object

Field Summary

public static final	ServerConnect Value: 1
public static final	ServerDataPacket Value: 3
public static final	ServerDisconnect Value: 2
public static final	ServerDuplicateLogin Value: 5
public static final	ServerRequestTimeout Value: 4

Constructor Summary

public	EventType (int eventId)
--------	---

Method Summary

int	GetEventId ()
-----	-------------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

ServerConnect

public static final int **ServerConnect**

(continued from last page)

Constant value: 1

ServerDisconnect

```
public static final int ServerDisconnect
```

Constant value: 2

ServerDataPacket

```
public static final int ServerDataPacket
```

Constant value: 3

ServerRequestTimeout

```
public static final int ServerRequestTimeout
```

Constant value: 4

ServerDuplicateLogin

```
public static final int ServerDuplicateLogin
```

Constant value: 5

Constructors

EventType

```
public EventType(int eventId)
```

Methods

GetEventId

```
public int GetEventId()
```

at.feedapi

Class FeedParser

java.lang.Object

└─at.feedapi.FeedParser

public class **FeedParser**
extends Object

Field Summary

public static final	AT_BARHISTORY_RECORD_CLOSE_SIZE Value: 36
public static final	AT_BARHISTORY_RECORD_SIZE Value: 31
public static final	AT_BARHISTORY_RESP_SIZE Value: 92
public static final	AT_LOGIN_RESP_SIZE Value: 776
public static final	AT_MARKET_HOLIDAYSLIST_ITEM_SIZE Value: 17
public static final	AT_MARKET_HOLIDAYSLIST_RESP_SIZE Value: 10
public static final	AT_MARKET_MOVERS_ITEM_SIZE Value: 2100
public static final	AT_MARKET_MOVERS_SIZE Value: 2115
public static final	AT_MARKET_MOVERS_STREAM_REQ_SIZE Value: 87
public static final	AT_MARKET_MOVERS_STREAM_RESP_SIZE Value: 74
public static final	AT_MARKET_MOVERS_STREAM_UPDATE_SIZE Value: 2123
public static final	AT_MARKET_MOVERSDB_RESP_SIZE Value: 75

public static final	AT_PRICE_SIZE Value: 5
public static final	AT_QUOTEDB_DATA_ITEM_SIZE Value: 4
public static final	AT_QUOTEDB_RESP_ITEM_SIZE Value: 17
public static final	AT_QUOTEDB_RESP_SIZE Value: 11
public static final	AT_QUOTESTREAM_REFRESH_UPDATE_SIZE Value: 86
public static final	AT_QUOTESTREAM_REQ_SIZE Value: 11
public static final	AT_QUOTESTREAM_RESP_ITEM_SIZE Value: 15
public static final	AT_QUOTESTREAM_RESP_SIZE Value: 12
public static final	AT_SERVERTIME_UPDATE_SIZE Value: 8
public static final	AT_TICKHISTORY_QUOTE_RECORD_SIZE Value: 29
public static final	AT_TICKHISTORY_RECORD_SIZE Value: 1
public static final	AT_TICKHISTORY_RESP_SIZE Value: 92
public static final	AT_TICKHISTORY_TRADE_RECORD_SIZE Value: 22
protected static	m_tpd
public static final	TICKERPLANT_SYMBOL_SIZE Value: 14

Constructor Summary

public	FeedParser()
--------	------------------------------

Method Summary

static ATServerProtocolDefines.AT_QUOTESTREAM_REQ	ParseATQuoteStreamReq (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE	ParseBarHistoryRecordClose (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST	ParseBarHistoryRecordLast (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_BARHISTORY_RESP	ParseBarHistoryResp (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_LOGIN_RESP	ParseLoginResp (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_HOLIDAYS_LIST_ITEM	ParseMarketHolidayListItem (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_HOLIDAYS_LIST_RESP	ParseMarketHolidayListResp (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS	ParseMarketMovers (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS_DB_RESP	ParseMarketMoversDbResp (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM	ParseMarketMoversItem (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ	ParseMarketMoversStreamReq (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP	ParseMarketMoversStreamResp (byte[] bytes, int offset)
static ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE	ParseMarketMoversStreamUpdate (byte[] bytes, int offset)
static TickerPlantDefines.PRICE	ParsePrice (byte[] bytes, int offset)

<code>static ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM</code>	<code>ParseQuoteDbDataItem(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_QUOTEDB_RESP</code>	<code>ParseQuoteDbResp(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM</code>	<code>ParseQuoteDbRespItem(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE</code>	<code>ParseQuoteStreamRefreshUpdate(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_QUOTESTREAM_RESP</code>	<code>ParseQuoteStreamResp(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM</code>	<code>ParseQuoteStreamRespItem(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_SERVERTIME_UPDATE</code>	<code>ParseServerTimeUpdate(byte[] bytes, int offset)</code>
<code>static TickerPlantDefines.SYMBOL</code>	<code>ParseTickerSymbol(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_TICKHISTORY_RECORD</code>	<code>ParseTickHistoryRecord(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD</code>	<code>ParseTickHistoryRecordQuote(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD</code>	<code>ParseTickHistoryRecordTrade(byte[] bytes, int offset)</code>
<code>static ATServerProtocolDefines.AT_TICKHISTORY_RESP</code>	<code>ParseTickHistoryResp(byte[] bytes, int offset)</code>

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

(continued from last page)

AT_BARHISTORY_RESP_SIZE

```
public static final int AT_BARHISTORY_RESP_SIZE
```

Constant value: 92

AT_BARHISTORY_RECORD_SIZE

```
public static final int AT_BARHISTORY_RECORD_SIZE
```

Constant value: 31

AT_BARHISTORY_RECORD_CLOSE_SIZE

```
public static final int AT_BARHISTORY_RECORD_CLOSE_SIZE
```

Constant value: 36

AT_TICKHISTORY_RESP_SIZE

```
public static final int AT_TICKHISTORY_RESP_SIZE
```

Constant value: 92

AT_TICKHISTORY_TRADE_RECORD_SIZE

```
public static final int AT_TICKHISTORY_TRADE_RECORD_SIZE
```

Constant value: 22

AT_TICKHISTORY_QUOTE_RECORD_SIZE

```
public static final int AT_TICKHISTORY_QUOTE_RECORD_SIZE
```

Constant value: 29

AT_TICKHISTORY_RECORD_SIZE

```
public static final int AT_TICKHISTORY_RECORD_SIZE
```

Constant value: 1

AT_LOGIN_RESP_SIZE

```
public static final int AT_LOGIN_RESP_SIZE
```

Constant value: 776

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AT_MARKET_HOLIDAYSLIST_RESP_SIZE

```
public static final int AT_MARKET_HOLIDAYSLIST_RESP_SIZE
```

Constant value: 10

AT_MARKET_HOLIDAYSLIST_ITEM_SIZE

```
public static final int AT_MARKET_HOLIDAYSLIST_ITEM_SIZE
```

Constant value: 17

AT_MARKET_MOVERSDB_RESP_SIZE

```
public static final int AT_MARKET_MOVERSDB_RESP_SIZE
```

Constant value: 75

AT_MARKET_MOVERS_ITEM_SIZE

```
public static final int AT_MARKET_MOVERS_ITEM_SIZE
```

Constant value: 2100

AT_MARKET_MOVERS_SIZE

```
public static final int AT_MARKET_MOVERS_SIZE
```

Constant value: 2115

AT_MARKET_MOVERS_STREAM_RESP_SIZE

```
public static final int AT_MARKET_MOVERS_STREAM_RESP_SIZE
```

Constant value: 74

AT_QUOTEDB_RESP_SIZE

```
public static final int AT_QUOTEDB_RESP_SIZE
```

Constant value: 11

AT_QUOTEDB_RESP_ITEM_SIZE

```
public static final int AT_QUOTEDB_RESP_ITEM_SIZE
```

Constant value: 17

AT_QUOTEDB_DATA_ITEM_SIZE

```
public static final int AT_QUOTEDB_DATA_ITEM_SIZE
```

(continued from last page)

Constant value: 4

AT_PRICE_SIZE

```
public static final int AT_PRICE_SIZE
```

Constant value: 5

AT_QUOTESTREAM_RESP_SIZE

```
public static final int AT_QUOTESTREAM_RESP_SIZE
```

Constant value: 12

AT_QUOTESTREAM_RESP_ITEM_SIZE

```
public static final int AT_QUOTESTREAM_RESP_ITEM_SIZE
```

Constant value: 15

AT_SERVERTIME_UPDATE_SIZE

```
public static final int AT_SERVERTIME_UPDATE_SIZE
```

Constant value: 8

AT_QUOTESTREAM_REFRESH_UPDATE_SIZE

```
public static final int AT_QUOTESTREAM_REFRESH_UPDATE_SIZE
```

Constant value: 86

AT_QUOTESTREAM_REQ_SIZE

```
public static final int AT_QUOTESTREAM_REQ_SIZE
```

Constant value: 11

TICKERPLANT_SYMBOL_SIZE

```
public static final int TICKERPLANT_SYMBOL_SIZE
```

Constant value: 14

AT_MARKET_MOVERS_STREAM_REQ_SIZE

```
public static final int AT_MARKET_MOVERS_STREAM_REQ_SIZE
```

Constant value: 87

AT_MARKET_MOVERS_STREAM_UPDATE_SIZE

```
public static final int AT_MARKET_MOVERS_STREAM_UPDATE_SIZE
```

Constant value: 2123

m_tpd

```
protected static at.shared.TickerPlant.TickerPlantDefines m_tpd
```

Constructors

FeedParser

```
public FeedParser()
```

Methods

ParseBarHistoryResp

```
public static ATServerProtocolDefines.AT\_BARHISTORY\_RESP ParseBarHistoryResp(byte[] bytes,  
int offset)
```

ParseBarHistoryRecordClose

```
public static ATServerProtocolDefines.AT\_BARHISTORY\_RECORD\_CLOSE  
ParseBarHistoryRecordClose(byte[] bytes,  
int offset)
```

ParseBarHistoryRecordLast

```
public static ATServerProtocolDefines.AT\_BARHISTORY\_RECORD\_LAST  
ParseBarHistoryRecordLast(byte[] bytes,  
int offset)
```

ParseTickHistoryResp

```
public static ATServerProtocolDefines.AT\_TICKHISTORY\_RESP ParseTickHistoryResp(byte[] bytes,  
int offset)
```

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ParseTickHistoryRecord

```
public static ATServerProtocolDefines.AT\_TICKHISTORY\_RECORD  
ParseTickHistoryRecord(byte[] bytes,  
    int offset)
```

ParseTickHistoryRecordQuote

```
public static ATServerProtocolDefines.AT\_TICKHISTORY\_QUOTE\_RECORD  
ParseTickHistoryRecordQuote(byte[] bytes,  
    int offset)
```

ParseTickHistoryRecordTrade

```
public static ATServerProtocolDefines.AT\_TICKHISTORY\_TRADE\_RECORD  
ParseTickHistoryRecordTrade(byte[] bytes,  
    int offset)
```

ParseLoginResp

```
public static ATServerProtocolDefines.AT\_LOGIN\_RESP ParseLoginResp(byte[] bytes,  
    int offset)
```

ParseMarketHolidayListResp

```
public static ATServerProtocolDefines.AT\_MARKET\_HOLIDAYSLIST\_RESP  
ParseMarketHolidayListResp(byte[] bytes,  
    int offset)
```

ParseMarketHolidayListItem

```
public static ATServerProtocolDefines.AT\_MARKET\_HOLIDAYSLIST\_ITEM  
ParseMarketHolidayListItem(byte[] bytes,  
    int offset)
```

ParseMarketMoversDbResp

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERSDB\_RESP  
ParseMarketMoversDbResp(byte[] bytes,  
    int offset)
```

ParseMarketMovers

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERS ParseMarketMovers(byte[] bytes,  
    int offset)
```

ParseMarketMoversItem

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERS\_ITEM  
ParseMarketMoversItem(byte[] bytes,  
    int offset)
```

ParseMarketMoversStreamResp

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERS\_STREAM\_RESP  
ParseMarketMoversStreamResp(byte[] bytes,  
    int offset)
```

ParseQuoteDbResp

```
public static ATServerProtocolDefines.AT\_QUOTEDB\_RESP ParseQuoteDbResp(byte[] bytes,  
    int offset)
```

ParseQuoteDbRespItem

```
public static ATServerProtocolDefines.AT\_QUOTEDB\_RESP\_ITEM ParseQuoteDbRespItem(byte[]  
bytes,  
    int offset)
```

ParseQuoteDbDataItem

```
public static ATServerProtocolDefines.AT\_QUOTEDB\_DATA\_ITEM ParseQuoteDbDataItem(byte[]  
bytes,  
    int offset)
```

ParsePrice

```
public static TickerPlantDefines.PRICE ParsePrice(byte[] bytes,  
    int offset)
```

ParseQuoteStreamResp

```
public static ATServerProtocolDefines.AT\_QUOTESTREAM\_RESP ParseQuoteStreamResp(byte[]  
bytes,  
    int offset)
```

ParseQuoteStreamRespItem

```
public static ATServerProtocolDefines.AT\_QUOTESTREAM\_RESP\_ITEM  
ParseQuoteStreamRespItem(byte[] bytes,  
    int offset)
```

(continued from last page)

ParseServerTimeUpdate

```
public static ATServerProtocolDefines.AT\_SERVERTIME\_UPDATE  
ParseServerTimeUpdate(byte[] bytes,  
    int offset)
```

ParseQuoteStreamRefreshUpdate

```
public static ATServerProtocolDefines.AT\_QUOTESTREAM\_REFRESH\_UPDATE  
ParseQuoteStreamRefreshUpdate(byte[] bytes,  
    int offset)
```

ParseMarketMoversStreamUpdate

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERS\_STREAM\_UPDATE  
ParseMarketMoversStreamUpdate(byte[] bytes,  
    int offset)
```

ParseATQuoteStreamReq

```
public static ATServerProtocolDefines.AT\_QUOTESTREAM\_REQ ParseATQuoteStreamReq(byte[]  
bytes,  
    int offset)
```

ParseTickerSymbol

```
public static TickerPlantDefines.SYMBOL ParseTickerSymbol(byte[] bytes,  
    int offset)
```

ParseMarketMoversStreamReq

```
public static ATServerProtocolDefines.AT\_MARKET\_MOVERS\_STREAM\_REQ  
ParseMarketMoversStreamReq(byte[] bytes,  
    int offset)
```


at.feedapi Class Globals

java.lang.Object
└─at.feedapi.Globals

public class **Globals**
extends Object

Constructor Summary

protected	Globals()
-----------	---------------------------

Method Summary

static Globals	getInstance()
--------------------------------	-------------------------------

boolean	IsAPIInitialized()
---------	------------------------------------

void	SetAPIInitialized (boolean isit)
------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Globals

protected **Globals**()

Methods

IsAPIInitialized

public boolean **IsAPIInitialized**()

SetAPIInitialized

public void **SetAPIInitialized**(boolean isit)

getInstance

```
public static Globals getInstance()
```

at.feedapi

Class Helpers

```
java.lang.Object
└─at.feedapi.Helpers
```

```
public class Helpers
extends Object
```

Constructor Summary

public	Helpers()
--------	---------------------------

Method Summary

static long	ATTimeToLong (ATServerAPIDefines.SYSTEMTIME st)
static TickerPlantDefines.SY STEMTIME	ATTimeToTPTime (ATServerAPIDefines.SYSTEMTIME st)
static int	BytesToInt (byte[] inBytes)
static byte	ConvertBooleanToByte (boolean flag)
static boolean	ConvertSymbol (ATServerAPIDefines.ATSYMBOL fromSymbol, TickerPlantDefines.SYMBOL toSymbol)
static boolean	ConvertSymbol (TickerPlantDefines.SYMBOL fromSymbol, ATServerAPIDefines.ATSYMBOL toSymbol)
static String	ConvertToStringFromAsciiData (byte[] bytes)
static String	ConvertToStringFromUnicodeData (byte[] bytes)
byte	FitUnsignedByteInSignedByte (Boolean success, short unsignedByteValue)
static ATServerAPIDefines.AT GUID	GenerateRandomGuid ()
static int	GetPaddingAmount (byte[] bytes)
static byte[]	IntToBytes (int n)
static byte	IntToPseudoUnsignedByte (int n)
static int	PadAndPrepareData (byte[] bytes)

static int	PadData (byte[] bytes)
static int	PrepareData (byte[] bytes, int paddingSize)
static ATServerAPIDefines.SYSTEMTIME	StringToATTime (String strDateTime)
static ATServerAPIDefines.ATSYMBOL	StringToSymbol (String symbol)
static byte	TickerPlantPrecisionToATPrecision (byte tickerPlantPrecision)
static int	unsignedIntInBytesToInt (byte[] b)
static long	unsignedIntInBytesToLong (byte[] b)
static int	unsignedShortInBytesToInt (byte[] b)

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

Helpers

```
public Helpers()
```

Methods

ConvertSymbol

```
public static boolean ConvertSymbol(ATServerAPIDefines.ATSYMBOL fromSymbol,
TickerPlantDefines.SYMBOL toSymbol)
```

ConvertSymbol

```
public static boolean ConvertSymbol(TickerPlantDefines.SYMBOL fromSymbol,
ATServerAPIDefines.ATSYMBOL toSymbol)
```

TickerPlantPrecisionToATPrecision

```
public static byte TickerPlantPrecisionToATPrecision(byte tickerPlantPrecision)
```

ConvertBooleanToByte

```
public static byte ConvertBooleanToByte(boolean flag)
```

FitUnsignedByteInSignedByte

```
public byte FitUnsignedByteInSignedByte(Boolean success,  
    short unsignedByteValue)
```

IntToPseudoUnsignedByte

```
public static byte IntToPseudoUnsignedByte(int n)
```

GenerateRandomGuid

```
public static ATServerAPIDefines.ATGUID GenerateRandomGuid()
```

PadAndPrepareData

```
public static int PadAndPrepareData(byte[] bytes)
```

GetPaddingAmount

```
public static int GetPaddingAmount(byte[] bytes)
```

PadData

```
public static int PadData(byte[] bytes)
```

PrepareData

```
public static int PrepareData(byte[] bytes,  
    int paddingSize)
```

IntToBytes

```
public static byte[] IntToBytes(int n)
```

(continued from last page)

BytesToInt

```
public static int BytesToInt(byte[] inBytes)
```

ATTimeToTPTime

```
public static TickerPlantDefines.SYSTEMTIME  
ATTimeToTPTime(ATServerAPIDefines.SYSTEMTIME st)
```

ATTimeToLong

```
public static long ATTimeToLong(ATServerAPIDefines.SYSTEMTIME st)
```

StringToATTime

```
public static ATServerAPIDefines.SYSTEMTIME StringToATTime(String strDateTime)
```

StringToSymbol

```
public static ATServerAPIDefines.ATSYMBOL StringToSymbol(String symbol)
```

unsignedIntInBytesToLong

```
public final static long unsignedIntInBytesToLong(byte[] b)
```

unsignedIntInBytesToInt

```
public final static int unsignedIntInBytesToInt(byte[] b)
```

unsignedShortInBytesToInt

```
public final static int unsignedShortInBytesToInt(byte[] b)
```

ConvertToStringFromAsciiData

```
public static String ConvertToStringFromAsciiData(byte[] bytes)
```

ConvertToStringFromUnicodeData

```
public static String ConvertToStringFromUnicodeData(byte[] bytes)
```

(continued from last page)

at.feedapi

Class MarketHolidaysResponseCollection

java.lang.Object

└─at.feedapi.MarketHolidaysResponseCollection

public class **MarketHolidaysResponseCollection**
extends Object

Field Summary

public	m_vecMarketHolidays
--------	-------------------------------------

Constructor Summary

public	MarketHolidaysResponseCollection(ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP resp, byte[] bytes, int currOffset)
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecMarketHolidays

public java.util.Vector **m_vecMarketHolidays**

Constructors

MarketHolidaysResponseCollection

```
public
MarketHolidaysResponseCollection(ATServerProtocolDefines.AT\_MARKET\_HOLIDAYSLIST\_RESP
resp,
                                byte[] bytes,
                                int currOffset)
```


at.feedapi

Class MarketMoversDbResponseCollection

java.lang.Object

└─at.feedapi.MarketMoversDbResponseCollection

public class **MarketMoversDbResponseCollection**
extends Object

Field Summary

public	m_vecMarketMoversDbRecords
--------	--

Constructor Summary

public	MarketMoversDbResponseCollection(ATServerProtocolDefines.AT_MARKET_MOVE_RSDB_RESP resp, ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE atResponse, byte[] bytes, int currOffset)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecMarketMoversDbRecords

public java.util.Vector **m_vecMarketMoversDbRecords**

Constructors

MarketMoversDbResponseCollection

```
public
MarketMoversDbResponseCollection(ATServerProtocolDefines.AT\_MARKET\_MOVERSDB\_RESP resp,
ATServerAPIDefines.ATMARKET\_MOVERSDB\_RESPONSE
atResponse,
byte[] bytes,
int currOffset)
```

at.feedapi

Class MessageUnit

java.lang.Object

└─at.feedapi.MessageUnit

Direct Known Subclasses:

[ServerRequestTimeout](#), [ServerDataPacket](#), [ServerDuplicateLogin](#), [ServerDisconnect](#), [ServerConnect](#)

public class **MessageUnit**
extends Object

Nested Class Summary

class	MessageUnit.ServerConnect MessageUnit.ServerConnect
class	MessageUnit.ServerDataPacket MessageUnit.ServerDataPacket
class	MessageUnit.ServerDisconnect MessageUnit.ServerDisconnect
class	MessageUnit.ServerDuplicateLogin MessageUnit.ServerDuplicateLogin
class	MessageUnit.ServerRequestTimeout MessageUnit.ServerRequestTimeout

Field Summary

public	m_eventType
--------	-----------------------------

Constructor Summary

public	MessageUnit()
--------	-------------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_eventType

public at.feedapi.EventType **m_eventType**

(continued from last page)

Constructors

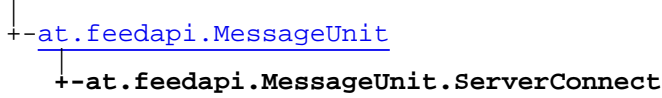
MessageUnit

```
public MessageUnit()
```

at.feedapi

Class MessageUnit.ServerConnect

java.lang.Object



public class **MessageUnit.ServerConnect**
extends [MessageUnit](#)

Fields inherited from class [at.feedapi.MessageUnit](#)

[m_eventType](#)

Constructor Summary

public	MessageUnit.ServerConnect ()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

MessageUnit.ServerConnect

public **MessageUnit.ServerConnect**()

at.feedapi

Class MessageUnit.ServerDisconnect

```

java.lang.Object
  |
+-at.feedapi.MessageUnit
    |
    +-at.feedapi.MessageUnit.ServerDisconnect
  
```

```

public class MessageUnit.ServerDisconnect
extends MessageUnit
  
```

Field Summary

public	m_sessionStatusType
--------	-------------------------------------

Fields inherited from class [at.feedapi.MessageUnit](#)

[m_eventType](#)

Constructor Summary

public	MessageUnit.ServerDisconnect()
--------	--

Method Summary

void	SetSessionStatusType (long type)
------	--

Methods inherited from class [java.lang.Object](#)

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_sessionStatusType

```
public long m_sessionStatusType
```

Constructors

MessageUnit.ServerDisconnect

```
public MessageUnit.ServerDisconnect()
```

(continued from last page)

Methods

SetSessionStatusType

```
public void SetSessionStatusType(long type)
```

at.feedapi

Class MessageUnit.ServerDuplicateLogin

```
java.lang.Object
├─at.feedapi.MessageUnit
│   └─at.feedapi.MessageUnit.ServerDuplicateLogin
```

```
public class MessageUnit.ServerDuplicateLogin
extends MessageUnit
```

Fields inherited from class [at.feedapi.MessageUnit](#)

[m_eventType](#)

Constructor Summary

public	MessageUnit.ServerDuplicateLogin()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

MessageUnit.ServerDuplicateLogin

```
public MessageUnit.ServerDuplicateLogin()
```

at.feedapi

Class MessageUnit.ServerDataPacket

java.lang.Object

└─ [at.feedapi.MessageUnit](#)
└─ [at.feedapi.MessageUnit.ServerDataPacket](#)

public class **MessageUnit.ServerDataPacket**
extends [MessageUnit](#)

Field Summary

public	m_data
public	m_dataSize
public	m_packetId

Fields inherited from class [at.feedapi.MessageUnit](#)

[m_eventType](#)

Constructor Summary

public	MessageUnit.ServerDataPacket ()
public	MessageUnit.ServerDataPacket (long packetId, MemBuffer data, long dataSize)

Method Summary

void	SetData (MemBuffer data)
void	SetDataSize (long dataSize)
void	SetPacketId (long packetId)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

m_packetId

```
public long m_packetId
```

m_data

```
public at.utils.jlib.MemBuffer m_data
```

m_dataSize

```
public long m_dataSize
```

Constructors

MessageUnit.ServerDataPacket

```
public MessageUnit.ServerDataPacket()
```

MessageUnit.ServerDataPacket

```
public MessageUnit.ServerDataPacket(long packetId,  
                                     MemBuffer data,  
                                     long dataSize)
```

Methods

SetPacketId

```
public void SetPacketId(long packetId)
```

SetData

```
public void SetData(MemBuffer data)
```

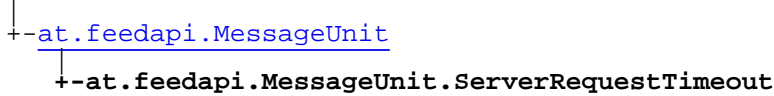
SetDataSize

```
public void SetDataSize(long dataSize)
```

at.feedapi

Class MessageUnit.ServerRequestTimeout

java.lang.Object



public class **MessageUnit.ServerRequestTimeout**
 extends [MessageUnit](#)

Fields inherited from class [at.feedapi.MessageUnit](#)

[m_eventType](#)

Constructor Summary

public	MessageUnit.ServerRequestTimeout()
--------	--

Method Summary

ATCallback	GetCallback()
long	GetRequestId()
void	SetCallback(ATCallback callback)
void	SetRequestId(long requestId)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

MessageUnit.ServerRequestTimeout

public **MessageUnit.ServerRequestTimeout()**

Methods

GetRequestId

public long **GetRequestId()**

(continued from last page)

GetCallback

```
public ATCallback GetCallback()
```

SetRequestId

```
public void SetRequestId(long requestId)
```

SetCallback

```
public void SetCallback(ATCallback callback)
```

at.feedapi

Class QuoteDbResponseCollection

java.lang.Object

└─at.feedapi.QuoteDbResponseCollection

```
public class QuoteDbResponseCollection
extends Object
```

This class will hold all data returned in response to a quoteDb request

Nested Class Summary

class	QuoteDbResponseCollection.QuoteDbResponseCollectionItem QuoteDbResponseCollection.QuoteDbResponseCollectionItem
-------	--

Field Summary

protected	m_atServerAPIDefines
public	m_vecResponseCollectionItems

Constructor Summary

public	QuoteDbResponseCollection(ATServerProtocolDefines.AT_QUOTEDB_RESP resp, byte[] bytes, int currOffset)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecResponseCollectionItems

```
public java.util.Vector m_vecResponseCollectionItems
```

m_atServerAPIDefines

```
protected at.shared.ATServerAPIDefines m_atServerAPIDefines
```

Constructors

(continued from last page)

QuoteDbResponseCollection

```
public QuoteDbResponseCollection(ATServerProtocolDefines.AT\_QUOTEDB\_RESP resp,  
                                byte[] bytes,  
                                int currOffset)
```

at.feedapi**Class****QuoteDbResponseCollection.QuoteDbResponseCollectionItem**

java.lang.Object

└-at.feedapi.QuoteDbResponseCollection.QuoteDbResponseCollectionItem

```
public class QuoteDbResponseCollection.QuoteDbResponseCollectionItem
extends Object
```

Field Summary

public	m_bValid
--------	--------------------------

Constructor Summary

public	QuoteDbResponseCollection.QuoteDbResponseCollectionItem()
--------	---

Method Summary

int	Set(ATServerAPIDefines.ATQUOTEDB_RESPONSE atResponse, byte[] bytes, int currOffset)
-----	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields**m_bValid**public boolean **m_bValid****Constructors****QuoteDbResponseCollection.QuoteDbResponseCollectionItem**public **QuoteDbResponseCollection.QuoteDbResponseCollectionItem()****Methods**

(continued from last page)

Set

```
public int Set(ATServerAPIDefines.ATQUOTEDB\_RESPONSE atResponse,  
               byte[] bytes,  
               int currOffset)
```

at.feedapi

Class QuoteStreamResponseCollection

java.lang.Object

└─at.feedapi.QuoteStreamResponseCollection

public class QuoteStreamResponseCollection
extends Object

Field Summary

public	m_vecQuoteStreamDataItems
--------	---

Constructor Summary

public	QuoteStreamResponseCollection(ATServerProtocolDefines.AT_QUOTESTREAM_RESP resp, byte[] bytes, int currOffset)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecQuoteStreamDataItems

public java.util.Vector **m_vecQuoteStreamDataItems**

Constructors

QuoteStreamResponseCollection

```
public QuoteStreamResponseCollection(ATServerProtocolDefines.AT\_QUOTESTREAM\_RESP resp,  
                                     byte[] bytes,  
                                     int currOffset)
```


at.feedapi

Class Request

java.lang.Object

↳ at.feedapi.Request

public class **Request**
extends Object

Constructor Summary

public	Request()
public	Request (Request copy)
public	Request (ATServerProtocolDefines.PacketId requestPacketId, long requestId, MemBuffer requestData, ATCallback callback)
public	Request (ATServerProtocolDefines.PacketId requestPacketId, long requestId, MemBuffer requestData, ATCallback callback, boolean encrypted)

Method Summary

ATCallback	GetCallback()
ATServerProtocolDefines.PacketId	GetPacketId()
MemBuffer	GetRequestData()
long	GetRequestId()
boolean	IsEncrypted()
boolean	IsQueued()
void	ResetRequestTimeToCurrentTime()
void	SetQueued (boolean bQueued)
void	SetTimeoutInfo (long timeout, ATCallback timeoutCallback)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Request

```
public Request()
```

Request

```
public Request(Request copy)
```

Request

```
public Request(ATServerProtocolDefines.PacketId requestPacketId,  
              long requestId,  
              MemBuffer requestData,  
              ATCallback callback)
```

Request

```
public Request(ATServerProtocolDefines.PacketId requestPacketId,  
              long requestId,  
              MemBuffer requestData,  
              ATCallback callback,  
              boolean encrypted)
```

Methods

ResetRequestTimeToCurrentTime

```
public void ResetRequestTimeToCurrentTime()
```

IsQueued

```
public boolean IsQueued()
```

SetQueued

```
public void SetQueued(boolean bQueued)
```

IsEncrypted

```
public boolean IsEncrypted()
```

(continued from last page)

GetPacketId

```
public ATServerProtocolDefines.PacketId GetPacketId()
```

GetRequestId

```
public long GetRequestId()
```

GetRequestData

```
public MemBuffer GetRequestData()
```

GetCallback

```
public ATCallback GetCallback()
```

SetTimeoutInfo

```
public void SetTimeoutInfo(long timeout,  
    ATCallback timeoutCallback)
```

at.feedapi

Class Requests

java.lang.Object

└─at.feedapi.Requests

public class **Requests**
extends Object

Field Summary

protected	m_queuedSender
protected	m_threadQueuedSender
protected	m_threadTimeout
protected	m_timeout

Constructor Summary

public	Requests (Session session)
--------	---

Method Summary

boolean	AcquireTransit (long requestId)
Request	GetRequest (long requestId)
boolean	InsertRequest (long requestId, Request request)
void	ReleaseTransit (long requestId)
void	RemoveAllRequests ()
boolean	RemoveRequest (long requestId)
boolean	UpdateRequestTimeout (long requestId, long timeout, ATCallback timeoutCallback)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

(continued from last page)

Fields

m_threadQueuedSender

```
protected java.lang.Thread m_threadQueuedSender
```

m_queuedSender

```
protected at.feedapi.Requests.QueuedSender m_queuedSender
```

m_threadTimeout

```
protected java.lang.Thread m_threadTimeout
```

m_timeout

```
protected at.feedapi.Requests.Timeout m_timeout
```

Constructors

Requests

```
public Requests(Session session)
```

Methods

GetRequest

```
public Request GetRequest(long requestId)
```

InsertRequest

```
public boolean InsertRequest(long requestId,  
    Request request)
```

RemoveRequest

```
public boolean RemoveRequest(long requestId)
```

(continued from last page)

RemoveAllRequests

```
public void RemoveAllRequests()
```

UpdateRequestTimeout

```
public boolean UpdateRequestTimeout(long requestId,  
    long timeout,  
    ATCallback timeoutCallback)
```

ReleaseTransit

```
public void ReleaseTransit(long requestId)
```

AcquireTransit

```
public boolean AcquireTransit(long requestId)
```

at.feedapi

Class ServerConnection

java.lang.Object

↳ at.feedapi.ServerConnection

public class **ServerConnection**
extends Object

Field Summary

protected	atapi
protected	m_atServerAPIDefines
protected	m_atServerProtocolDefines
protected	m_bConnected
protected	m_connectionMonitor
protected	m_in
protected	m_messageUnit
protected	m_out
protected	m_receiver
protected	m_socket
protected	m_threadConnectionMonitor
protected	m_threadReceiver

Constructor Summary

public	ServerConnection (Session session)
--------	---

Method Summary

ActiveTickServerAPI	getATAPI ()
long	GetReconnectIntervalMs ()

long	GetTotalRecvedByteCount()
void	OnBarHistoryResp (byte[] bytes, int dataSize)
void	OnConnect()
void	OnDisconnect()
void	OnDuplicateLoginDisconnectUpdate()
void	OnLoginResp (byte[] bytes, int dataSize)
void	OnMarketHolidaysResp (byte[] bytes, int dataSize)
void	OnMarketMoversDbResp (byte[] bytes, int dataSize)
void	OnMarketMoversStreamResp (byte[] bytes, int dataSize)
void	OnMarketMoversStreamUpdate (byte[] bytes, int dataSize)
void	OnQuoteDbResp (byte[] bytes, int dataSize)
void	OnQuoteStreamResp (byte[] bytes, int dataSize)
void	OnServerTimeUpdate (byte[] bytes, int dataSize)
void	OnStreamQuoteUpdate (byte[] bytes, int dataSize)
void	OnStreamRefreshUpdate (byte[] bytes, int dataSize)
void	OnStreamTradeUpdate (byte[] bytes, int dataSize)
void	OnTickHistoryResp (byte[] bytes, int dataSize)
void	ProcessIncomingPacket (long packetId, byte[] bytes, int dataSize)
boolean	SendDataPacket (long packetId, byte[] bytes, long dataSize, ATServerProtocolDefines.PacketFlagType flag)
long	SendDataRow (byte[] bytes, long dataSize)
void	SetReconnectIntervalMs (long reconnectTime)
boolean	Start (String serverHostname, int serverPort)
void	Stop()

Methods inherited from class `java.lang.Object`


```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

m_threadReceiver

```
protected java.lang.Thread m_threadReceiver
```

m_receiver

```
protected at.feedapi.ServerConnection.Receiver m_receiver
```

m_threadConnectionMonitor

```
protected java.lang.Thread m_threadConnectionMonitor
```

m_connectionMonitor

```
protected at.feedapi.ServerConnection.ConnectionMonitor m_connectionMonitor
```

m_socket

```
protected java.net.Socket m_socket
```

m_bConnected

```
protected boolean m_bConnected
```

atapi

```
protected at.feedapi.ActiveTickServerAPI atapi
```

m_in

```
protected java.io.DataInputStream m_in
```

(continued from last page)

m_out

protected java.io.PrintStream **m_out**

m_atServerAPIDefines

protected at.shared.ATServerAPIDefines **m_atServerAPIDefines**

m_atServerProtocolDefines

protected at.shared.ATServerProtocolDefines **m_atServerProtocolDefines**

m_messageUnit

protected at.feedapi.MessageUnit **m_messageUnit**

Constructors

ServerConnection

public **ServerConnection**([Session](#) session)

Methods

Start

public boolean **Start**(String serverHostname,
int serverPort)

Stop

public void **Stop**()

SetReconnectIntervalMs

public void **SetReconnectIntervalMs**(long reconnectTime)

GetReconnectIntervalMs

public long **GetReconnectIntervalMs**()

getATAPI

```
public ActiveTickServerAPI getATAPI()
```

SendDataRaw

```
public long SendDataRaw(byte[] bytes,  
    long dataSize)
```

SendDataPacket

```
public boolean SendDataPacket(long packetId,  
    byte[] bytes,  
    long dataSize,  
    ATServerProtocolDefines.PacketFlagType flag)
```

OnBarHistoryResp

```
public void OnBarHistoryResp(byte[] bytes,  
    int dataSize)
```

OnTickHistoryResp

```
public void OnTickHistoryResp(byte[] bytes,  
    int dataSize)
```

OnLoginResp

```
public void OnLoginResp(byte[] bytes,  
    int dataSize)
```

OnMarketHolidaysResp

```
public void OnMarketHolidaysResp(byte[] bytes,  
    int dataSize)
```

OnMarketMoversDbResp

```
public void OnMarketMoversDbResp(byte[] bytes,  
    int dataSize)
```

(continued from last page)

OnMarketMoversStreamResp

```
public void OnMarketMoversStreamResp(byte[] bytes,  
    int dataSize)
```

OnQuoteDbResp

```
public void OnQuoteDbResp(byte[] bytes,  
    int dataSize)
```

OnQuoteStreamResp

```
public void OnQuoteStreamResp(byte[] bytes,  
    int dataSize)
```

OnServerTimeUpdate

```
public void OnServerTimeUpdate(byte[] bytes,  
    int dataSize)
```

OnStreamQuoteUpdate

```
public void OnStreamQuoteUpdate(byte[] bytes,  
    int dataSize)
```

OnStreamTradeUpdate

```
public void OnStreamTradeUpdate(byte[] bytes,  
    int dataSize)
```

OnStreamRefreshUpdate

```
public void OnStreamRefreshUpdate(byte[] bytes,  
    int dataSize)
```

OnMarketMoversStreamUpdate

```
public void OnMarketMoversStreamUpdate(byte[] bytes,  
    int dataSize)
```

OnDuplicateLoginDisconnectUpdate

```
public void OnDuplicateLoginDisconnectUpdate()
```

(continued from last page)

OnConnect

```
public void OnConnect()
```

OnDisconnect

```
public void OnDisconnect()
```

ProcessIncomingPacket

```
public void ProcessIncomingPacket(long packetId,  
    byte[] bytes,  
    int dataSize)
```

GetTotalRecvedByteCount

```
public long GetTotalRecvedByteCount()
```

at.feedapi

Class Session

java.lang.Object
 ↳ **at.feedapi.Session**

public class **Session**
 extends Object

Constructor Summary

public	<u>Session()</u>
--------	----------------------------------

Method Summary

void	<u>DestroySession()</u>
<u>ATServerAPIDefines.ATGUID</u>	<u>GetAPIUserId()</u>
long	<u>GetCurrRequestId()</u>
long	<u>GetMaximumInTransitRequests()</u>
<u>MemBuffer</u>	<u>GetPendingSessionKey()</u>
<u>Requests</u>	<u>GetRequests()</u>
<u>ServerConnection</u>	<u>GetServerConnection()</u>
<u>ATCallback.ATServerTimeUpdateCallback</u>	<u>GetServerTimeUpdateCallback()</u>
<u>MemBuffer</u>	<u>GetSessionKey()</u>
<u>ATCallback.ATSessionStatusChangeCallback</u>	<u>GetSessionStatusChangeCallback()</u>
<u>StreamSubscriptions</u>	<u>GetStreamSubscriptions()</u>
<u>ATCallback.ATStreamUpdateCallback</u>	<u>GetStreamUpdateCallback()</u>
boolean	<u>InitSession</u> (String primaryServerHostname, String backupServerHostname, long serverPort, <u>ATCallback.ATSessionStatusChangeCallback</u> callback)
boolean	<u>IsActiveTickClientInstance()</u>
boolean	<u>IsConnected()</u>

void	ResetSessionKeyToInitialKey()
void	SetAPIUserId(ATServerAPIDefines.ATGUID apiUserId, boolean bActiveTickClient)
void	SetPendingSessionKey(MemBuffer key)
void	SetServerTimeUpdateCallback(ATCallback.ATServerTimeUpdateCallback callback)
void	SetSessionKey(MemBuffer key)
void	SetStreamUpdateCallback(ATCallback.ATStreamUpdateCallback callback)

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Constructors

Session

```
public Session()
```

Methods

IsConnected

```
public boolean IsConnected()
```

GetRequests

```
public Requests GetRequests()
```

GetMaximumInTransitRequests

```
public long GetMaximumInTransitRequests()
```

GetServerConnection

```
public ServerConnection GetServerConnection()
```

GetStreamSubscriptions

```
public StreamSubscriptions GetStreamSubscriptions()
```

GetSessionStatusChangeCallback

```
public ATCallback.ATSessionStatusChangeCallback GetSessionStatusChangeCallback()
```

GetCurrRequestId

```
public long GetCurrRequestId()
```

SetStreamUpdateCallback

```
public void SetStreamUpdateCallback(ATCallback.ATStreamUpdateCallback callback)
```

GetStreamUpdateCallback

```
public ATCallback.ATStreamUpdateCallback GetStreamUpdateCallback()
```

SetServerTimeUpdateCallback

```
public void SetServerTimeUpdateCallback(ATCallback.ATServerTimeUpdateCallback callback)
```

GetServerTimeUpdateCallback

```
public ATCallback.ATServerTimeUpdateCallback GetServerTimeUpdateCallback()
```

GetPendingSessionKey

```
public MemBuffer GetPendingSessionKey()
```

SetPendingSessionKey

```
public void SetPendingSessionKey(MemBuffer key)
```

(continued from last page)

SetAPIUserId

```
public void SetAPIUserId(ATServerAPIDefines.ATGUID apiUserId,  
    boolean bActiveTickClient)
```

GetAPIUserId

```
public ATServerAPIDefines.ATGUID GetAPIUserId()
```

IsActiveTickClientInstance

```
public boolean IsActiveTickClientInstance()
```

InitSession

```
public boolean InitSession(String primaryServerHostname,  
    String backupServerHostname,  
    long serverPort,  
    ATCallback.ATSessionStatusChangeCallback callback)
```

DestroySession

```
public void DestroySession()
```

GetSessionKey

```
public MemBuffer GetSessionKey()
```

SetSessionKey

```
public void SetSessionKey(MemBuffer key)
```

ResetSessionKeyToInitialKey

```
public void ResetSessionKeyToInitialKey()
```

at.feedapi

Class StreamCache

java.lang.Object

└─at.feedapi.StreamCache

public class **StreamCache**
extends Object

Constructor Summary

public	StreamCache (TickerPlantDefines.SYMBOL symbol)
--------	---

Method Summary

StreamCache	Set (StreamCache orig)
-----------------------------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

StreamCache

public **StreamCache**([TickerPlantDefines.SYMBOL](#) symbol)

Methods

Set

public [StreamCache](#) **set**([StreamCache](#) orig)

at.feedapi

Class StreamDecompressor

java.lang.Object

└─at.feedapi.StreamDecompressor

public class **StreamDecompressor**
extends Object

Nested Class Summary

class	StreamDecompressor.NumericType StreamDecompressor.NumericType
class	StreamDecompressor.StreamHeader StreamDecompressor.StreamHeader
class	StreamDecompressor.StreamNumberType StreamDecompressor.StreamNumberType

Field Summary

public static	m_atServerAPIDefines
---------------	--------------------------------------

Constructor Summary

public	StreamDecompressor()
--------	--------------------------------------

Method Summary

static ATServerAPIDefines.SY STEMTIME	AddMillisToSystemTime (long millis, ATServerAPIDefines.SYSTEMTIME datetime)
static int	BytesToHeader (byte[] bytes, int offset, StreamDecompressor.StreamNumberType snt, StreamDecompressor.StreamHeader streamHeader)
static int	BytesToNumber (byte[] bytes, int offset, StreamDecompressor.StreamNumberType snt)
static int	BytesToPrice (byte[] bytes, int offset, ATServerAPIDefines.ATPRICE price)
static boolean	DecompressUpdate (Session session, byte[] compressedBytes, long byteCount, ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE update)
static boolean	DecompressUpdate (Session session, byte[] compressedBytes, long byteCount, ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE update)

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

m_atServerAPIDefines

```
public static at.shared.ATServerAPIDefines m_atServerAPIDefines
```

Constructors

StreamDecompressor

```
public StreamDecompressor()
```

Methods

DecompressUpdate

```
public static boolean DecompressUpdate(Session session,  
    byte[] compressedBytes,  
    long byteCount,  
    ATServerAPIDefines.ATQUOTESTREAM\_QUOTE\_UPDATE update)
```

DecompressUpdate

```
public static boolean DecompressUpdate(Session session,  
    byte[] compressedBytes,  
    long byteCount,  
    ATServerAPIDefines.ATQUOTESTREAM\_TRADE\_UPDATE update)
```

BytesToHeader

```
public static int BytesToHeader(byte[] bytes,  
    int offset,  
    StreamDecompressor.StreamNumberType snt,  
    StreamDecompressor.StreamHeader streamHeader)
```

BytesToPrice

```
public static int BytesToPrice(byte[] bytes,  
    int offset,  
    ATServerAPIDefines.ATPRICE price)
```

(continued from last page)

BytesToNumber

```
public static int BytesToNumber(byte[] bytes,  
    int offset,  
    StreamDecompressor.StreamNumberType snt)
```

AddMillisToSystemTime

```
public static ATServerAPIDefines.SYSTEMTIME AddMillisToSystemTime(long millis,  
    ATServerAPIDefines.SYSTEMTIME datetime)
```

at.feedapi

Class StreamDecompressor.NumericType

java.lang.Object

└─at.feedapi.StreamDecompressor.NumericType

public class **StreamDecompressor.NumericType**
extends Object

Field Summary

public static final	NumericByte Value: 0
public static final	NumericUInt Value: 2
public static final	NumericUInt64 Value: 3
public static final	NumericUShort Value: 1

Constructor Summary

public	StreamDecompressor.NumericType (int numericType)
--------	--

Method Summary

int	GetNumericType ()
void	SetNumericType (int numericType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

NumericByte

public static final int **NumericByte**

Constant value: 0

NumericUShort

```
public static final int NumericUShort
```

Constant value: 1

NumericUInt

```
public static final int NumericUInt
```

Constant value: 2

NumericUInt64

```
public static final int NumericUInt64
```

Constant value: 3

Constructors

StreamDecompressor.NumericType

```
public StreamDecompressor.NumericType(int numericType)
```

Methods

GetNumericType

```
public int GetNumericType()
```

SetNumericType

```
public void SetNumericType(int numericType)
```

at.feedapi

Class StreamDecompressor.StreamHeader

java.lang.Object

└-at.feedapi.StreamDecompressor.StreamHeader

public class **StreamDecompressor.StreamHeader**
extends Object

Constructor Summary

public	StreamDecompressor.StreamHeader()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

StreamDecompressor.StreamHeader

public **StreamDecompressor.StreamHeader()**

at.feedapi

Class StreamDecompressor.StreamNumberType

java.lang.Object

└-at.feedapi.StreamDecompressor.StreamNumberType

public class **StreamDecompressor.StreamNumberType**
extends Object

Constructor Summary

public	StreamDecompressor.StreamNumberType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

StreamDecompressor.StreamNumberType

public **StreamDecompressor.StreamNumberType()**

at.feedapi

Class StreamSubscriptions

```
java.lang.Object
```

```
└--at.feedapi.StreamSubscriptions
```

```
public class StreamSubscriptions
extends Object
```

Nested Class Summary

class	StreamSubscriptions.SymbolsPairValue StreamSubscriptions.SymbolsPairValue
-------	--

Constructor Summary

public	StreamSubscriptions (Session session)
--------	--

Method Summary

void	Cleanup ()
StreamCache	GetStreamCache (TickerPlantDefines.SYMBOL symbol)
void	ProcessStreamQuoteUpdate (byte[] compressedBytes, long byteCount)
void	ProcessStreamTradeUpdate (byte[] compressedBytes, long byteCount)
void	ResubscribeAllSymbols ()
void	SubscribeSymbols (List lstSymbols)
void	UnSubscribeSymbols (List lstSymbols)

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Constructors

StreamSubscriptions

```
public StreamSubscriptions(Session session)
```

Methods

Cleanup

```
public void Cleanup()
```

GetStreamCache

```
public StreamCache GetStreamCache(TickerPlantDefines.SYMBOL symbol)
```

SubscribeSymbols

```
public void SubscribeSymbols(List lstSymbols)
```

UnSubscribeSymbols

```
public void UnSubscribeSymbols(List lstSymbols)
```

ResubscribeAllSymbols

```
public void ResubscribeAllSymbols()
```

ProcessStreamQuoteUpdate

```
public void ProcessStreamQuoteUpdate(byte[] compressedBytes,  
    long byteCount)
```

ProcessStreamTradeUpdate

```
public void ProcessStreamTradeUpdate(byte[] compressedBytes,  
    long byteCount)
```

at.feedapi

Class StreamSubscriptions.SymbolsPairValue

java.lang.Object

↳ at.feedapi.StreamSubscriptions.SymbolsPairValue

public class **StreamSubscriptions.SymbolsPairValue**
extends Object

Field Summary

public	m_count
public	m_streamCache

Constructor Summary

public	StreamSubscriptions.SymbolsPairValue (StreamCache streamCache, int count)
--------	--

Method Summary

int	GetCountPart ()
StreamCache	GetStreamCachePart ()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_streamCache

public at.feedapi.StreamCache **m_streamCache**

m_count

public int **m_count**

Constructors

(continued from last page)

StreamSubscriptions.SymbolsPairValue

```
public StreamSubscriptions.SymbolsPairValue(StreamCache streamCache,  
                                             int count)
```

Methods

GetStreamCachePart

```
public StreamCache GetStreamCachePart()
```

GetCountPart

```
public int GetCountPart()
```

at.feedapi

Class TickHistoryDbResponseCollection

java.lang.Object

└─at.feedapi.TickHistoryDbResponseCollection

public class TickHistoryDbResponseCollection
extends Object

Field Summary

public	m_vecTickHistoryRecords
--------	---

Constructor Summary

public	TickHistoryDbResponseCollection(ATServerProtocolDefines.AT_TICKHISTORY_RESP resp, byte[] bytes, int currOffset)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_vecTickHistoryRecords

public java.util.Vector **m_vecTickHistoryRecords**

Constructors

TickHistoryDbResponseCollection

```
public TickHistoryDbResponseCollection(ATServerProtocolDefines.AT\_TICKHISTORY\_RESP  
resp,  
                                     byte[] bytes,  
                                     int currOffset)
```

Package
at.shared

at.shared

Class ATServerAPIDefines

java.lang.Object

└-at.shared.ATServerAPIDefines

public class **ATServerAPIDefines**
extends Object

Nested Class Summary

class	ATServerAPIDefines.ATBARHISTORY_RECORD ATServerAPIDefines.ATBARHISTORY_RECORD
class	ATServerAPIDefines.ATBARHISTORY_RESPONSE ATServerAPIDefines.ATBARHISTORY_RESPONSE
class	ATServerAPIDefines.ATBarHistoryResponseType ATServerAPIDefines.ATBarHistoryResponseType
class	ATServerAPIDefines.ATBarHistoryType ATServerAPIDefines.ATBarHistoryType
class	ATServerAPIDefines.ATCountryType ATServerAPIDefines.ATCountryType
class	ATServerAPIDefines.ATCursorType ATServerAPIDefines.ATCursorType
class	ATServerAPIDefines.ATDataType ATServerAPIDefines.ATDataType
class	ATServerAPIDefines.ATExchangeType ATServerAPIDefines.ATExchangeType
class	ATServerAPIDefines.ATFieldStatus ATServerAPIDefines.ATFieldStatus
class	ATServerAPIDefines.ATGUID ATServerAPIDefines.ATGUID
class	ATServerAPIDefines.ATLOGIN_RESPONSE ATServerAPIDefines.ATLOGIN_RESPONSE
class	ATServerAPIDefines.ATLoginResponseType ATServerAPIDefines.ATLoginResponseType
class	ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM
class	ATServerAPIDefines.ATMARKET_MOVERS_ITEM ATServerAPIDefines.ATMARKET_MOVERS_ITEM

class	ATServerAPIDefines.ATMARKET_MOVERS_RECORD ATServerAPIDefines.ATMARKET_MOVERS_RECORD
class	ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE
class	ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE
class	ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE
class	ATServerAPIDefines.ATMarketMoversDbResponseType ATServerAPIDefines.ATMarketMoversDbResponseType
class	ATServerAPIDefines.ATPermissionType ATServerAPIDefines.ATPermissionType
class	ATServerAPIDefines.ATPRICE ATServerAPIDefines.ATPRICE
class	ATServerAPIDefines.ATQuoteConditionType ATServerAPIDefines.ATQuoteConditionType
class	ATServerAPIDefines.ATQUOTEDB_DATA_ITEM ATServerAPIDefines.ATQUOTEDB_DATA_ITEM
class	ATServerAPIDefines.ATQUOTEDB_RESPONSE ATServerAPIDefines.ATQUOTEDB_RESPONSE
class	ATServerAPIDefines.ATQuoteDbResponseType ATServerAPIDefines.ATQuoteDbResponseType
class	ATServerAPIDefines.ATQuoteFieldType ATServerAPIDefines.ATQuoteFieldType
class	ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM
class	ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE
class	ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE
class	ATServerAPIDefines.ATQUOTESTREAM_RESPONSE ATServerAPIDefines.ATQUOTESTREAM_RESPONSE
class	ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE
class	ATServerAPIDefines.ATSessionStatusType ATServerAPIDefines.ATSessionStatusType
class	ATServerAPIDefines.ATSTREAM_UPDATE ATServerAPIDefines.ATSTREAM_UPDATE
class	ATServerAPIDefines.ATStreamRequestType ATServerAPIDefines.ATStreamRequestType

class	ATServerAPIDefines.ATStreamResponseType ATServerAPIDefines.ATStreamResponseType
class	ATServerAPIDefines.ATStreamUpdateType ATServerAPIDefines.ATStreamUpdateType
class	ATServerAPIDefines.ATSYMBOL ATServerAPIDefines.ATSYMBOL
class	ATServerAPIDefines.ATSymbolStatus ATServerAPIDefines.ATSymbolStatus
class	ATServerAPIDefines.ATSymbolType ATServerAPIDefines.ATSymbolType
class	ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD
class	ATServerAPIDefines.ATTICKHISTORY_RECORD ATServerAPIDefines.ATTICKHISTORY_RECORD
class	ATServerAPIDefines.ATTICKHISTORY_RESPONSE ATServerAPIDefines.ATTICKHISTORY_RESPONSE
class	ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD
class	ATServerAPIDefines.ATTickHistoryRecordType ATServerAPIDefines.ATTickHistoryRecordType
class	ATServerAPIDefines.ATTickHistoryResponseType ATServerAPIDefines.ATTickHistoryResponseType
class	ATServerAPIDefines.ATTradeConditionType ATServerAPIDefines.ATTradeConditionType
class	ATServerAPIDefines.ATTradeMessageFlags ATServerAPIDefines.ATTradeMessageFlags
class	ATServerAPIDefines.QuoteDbDataItem ATServerAPIDefines.QuoteDbDataItem
class	ATServerAPIDefines.QuoteDbResponseItem ATServerAPIDefines.QuoteDbResponseItem
class	ATServerAPIDefines.SYSTEMTIME ATServerAPIDefines.SYSTEMTIME

Field Summary

public static final	ATFundamentalNameMaxLength Value: 100
public static final	ATMarketMoversMaxRecords Value: 15

public static final	ATSymbolMaxLength Value: 11
public static final	ATTradeConditionsCount Value: 4

Constructor Summary

public	ATServerAPIDefines()
--------	--------------------------------------

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

ATFundamentalNameMaxLength

public static final int **ATFundamentalNameMaxLength**

Constant value: 100

ATSymbolMaxLength

public static final int **ATSymbolMaxLength**

Constant value: 11

ATMarketMoversMaxRecords

public static final int **ATMarketMoversMaxRecords**

Constant value: 15

ATTradeConditionsCount

public static final int **ATTradeConditionsCount**

Constant value: 4

Constructors

ATServerAPIDefines

public **ATServerAPIDefines()**

at.shared

Class ATServerAPIDefines.ATGUID

java.lang.Object

└-at.shared.ATServerAPIDefines.ATGUID

public class **ATServerAPIDefines.ATGUID**
extends Object

Field Summary

public	Data1
public	Data2
public	Data3
public	Data4
public	m_Buffer

Constructor Summary

public	ATServerAPIDefines.ATGUID()
--------	---

Method Summary

boolean	Compare (ATServerAPIDefines.ATGUID guid)
boolean	Compare (byte[] bytes)
byte[]	getBytes ()
MemBuffer	getData ()
int	GetGuidSize ()
void	ReconcileBuffers ()
boolean	SetGuid (byte[] bytes, int size)
boolean	SetGuid (String strGuid)

Methods inherited from class java.lang.Object

```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

Data1

```
public byte Data1
```

Data2

```
public byte Data2
```

Data3

```
public byte Data3
```

Data4

```
public byte Data4
```

m_Buffer

```
public at.utils.jlib.MemBuffer m_Buffer
```

Constructors

ATServerAPIDefines.ATGUID

```
public ATServerAPIDefines.ATGUID()
```

Methods

ReconcileBuffers

```
public void ReconcileBuffers()
```

(continued from last page)

SetGuid

```
public boolean SetGuid(byte[] bytes,  
                        int size)
```

SetGuid

```
public boolean SetGuid(String strGuid)
```

GetGuidSize

```
public int GetGuidSize()
```

getBytes

```
public byte[] getBytes()
```

getData

```
public MemBuffer getData()
```

Compare

```
public boolean Compare(ATServerAPIDefines.ATGUID guid)
```

Compare

```
public boolean Compare(byte[] bytes)
```

at.shared

Class ATServerAPIDefines.ATSessionStatusType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATSessionStatusType

public class **ATServerAPIDefines.ATSessionStatusType**
extends Object

Field Summary

public	m_atSessionStatusType
public static final	SessionStatusConnected Value: 3
public static final	SessionStatusDisconnected Value: 1
public static final	SessionStatusDisconnectedDuplicateLogin Value: 2

Constructor Summary

public	ATServerAPIDefines.ATSessionStatusType()
public	ATServerAPIDefines.ATSessionStatusType(int atSessionStatusType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

SessionStatusDisconnected

public static final int **SessionStatusDisconnected**

Constant value: 1

SessionStatusDisconnectedDuplicateLogin

public static final int **SessionStatusDisconnectedDuplicateLogin**

(continued from last page)

Constant value: 2

SessionStatusConnected

```
public static final int SessionStatusConnected
```

Constant value: 3

m_atSessionStatusType

```
public int m_atSessionStatusType
```

Constructors

ATServerAPIDefines.ATSessionStatusType

```
public ATServerAPIDefines.ATSessionStatusType()
```

ATServerAPIDefines.ATSessionStatusType

```
public ATServerAPIDefines.ATSessionStatusType(int atSessionStatusType)
```


at.shared

Class ATServerAPIDefines.ATLoginResponseType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATLoginResponseType

public class ATServerAPIDefines.ATLoginResponseType
extends Object

Field Summary

public static final	LoginResponseInvalidPassword Value: 3
public static final	LoginResponseInvalidRequest Value: 4
public static final	LoginResponseInvalidUserid Value: 2
public static final	LoginResponseLoginDenied Value: 5
public static final	LoginResponseServerError Value: 6
public static final	LoginResponseSuccess Value: 1
public	m_atLoginResponseType

Constructor Summary

public	ATServerAPIDefines.ATLoginResponseType()
public	ATServerAPIDefines.ATLoginResponseType(int atLoginResponseType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

LoginResponseSuccess

```
public static final int LoginResponseSuccess
```

Constant value: 1

LoginResponseInvalidUserid

```
public static final int LoginResponseInvalidUserid
```

Constant value: 2

LoginResponseInvalidPassword

```
public static final int LoginResponseInvalidPassword
```

Constant value: 3

LoginResponseInvalidRequest

```
public static final int LoginResponseInvalidRequest
```

Constant value: 4

LoginResponseLoginDenied

```
public static final int LoginResponseLoginDenied
```

Constant value: 5

LoginResponseServerError

```
public static final int LoginResponseServerError
```

Constant value: 6

m_atLoginResponseType

```
public int m_atLoginResponseType
```

Constructors

ATServerAPIDefines.ATLoginResponseType

```
public ATServerAPIDefines.ATLoginResponseType()
```

(continued from last page)

ATServerAPIDefines.ATLoginResponseType

```
public ATServerAPIDefines.ATLoginResponseType(int atLoginResponseType)
```

at.shared

Class ATServerAPIDefines.ATPermissionType

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATPermissionType

public class ATServerAPIDefines.ATPermissionType
extends Object

Field Summary

public	m_atPermissionType
public static final	PermissionExchangeAMEX Value: 2
public static final	PermissionExchangeFOREX Value: 3
public static final	PermissionExchangeNASDAQ Value: 1
public static final	PermissionExchangeNYSE Value: 0
public static final	PermissionHistoryDb Value: 13
public static final	PermissionLogin Value: 10
public static final	PermissionMarketMoversDb Value: 14
public static final	PermissionMarketMoversStream Value: 15
public static final	PermissionQuoteDb Value: 11
public static final	PermissionQuoteStream Value: 12

Constructor Summary

public	ATServerAPIDefines.ATPermissionType()
--------	---

public

[ATServerAPIDefines.ATPermissionType](#)(int atPermissionType)**Methods inherited from class** java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

PermissionExchangeNYSE

public static final int **PermissionExchangeNYSE**

Constant value: 0

PermissionExchangeNASDAQ

public static final int **PermissionExchangeNASDAQ**

Constant value: 1

PermissionExchangeAMEX

public static final int **PermissionExchangeAMEX**

Constant value: 2

PermissionExchangeFOREX

public static final int **PermissionExchangeFOREX**

Constant value: 3

PermissionLogin

public static final int **PermissionLogin**

Constant value: 10

PermissionQuoteDb

public static final int **PermissionQuoteDb**

Constant value: 11

PermissionQuoteStream

public static final int **PermissionQuoteStream**

(continued from last page)

Constant value: 12

PermissionHistoryDb

```
public static final int PermissionHistoryDb
```

Constant value: 13

PermissionMarketMoversDb

```
public static final int PermissionMarketMoversDb
```

Constant value: 14

PermissionMarketMoversStream

```
public static final int PermissionMarketMoversStream
```

Constant value: 15

m_atPermissionType

```
public int m_atPermissionType
```

Constructors

ATServerAPIDefines.ATPermissionType

```
public ATServerAPIDefines.ATPermissionType()
```

ATServerAPIDefines.ATPermissionType

```
public ATServerAPIDefines.ATPermissionType(int atPermissionType)
```

at.shared

Class ATServerAPIDefines.ATMarketMoversDbResponseType

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATMarketMoversDbResponseType

public class ATServerAPIDefines.ATMarketMoversDbResponseType
extends Object

Field Summary

public	m_responseType
public static final	MarketMoversDbResponseDenied Value: 3
public static final	MarketMoversDbResponseInvalidRequest Value: 2
public static final	MarketMoversDbResponseSuccess Value: 1

Constructor Summary

public	ATServerAPIDefines.ATMarketMoversDbResponseType()
public	ATServerAPIDefines.ATMarketMoversDbResponseType(int atMarketMoversDbResponseType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

MarketMoversDbResponseSuccess

public static final int **MarketMoversDbResponseSuccess**

Constant value: 1

MarketMoversDbResponseInvalidRequest

public static final int **MarketMoversDbResponseInvalidRequest**

(continued from last page)

Constant value: 2

MarketMoversDbResponseDenied

```
public static final int MarketMoversDbResponseDenied
```

Constant value: 3

m_responseType

```
public int m_responseType
```

Constructors

ATServerAPIDefines.ATMarketMoversDbResponseType

```
public ATServerAPIDefines.ATMarketMoversDbResponseType()
```

ATServerAPIDefines.ATMarketMoversDbResponseType

```
public ATServerAPIDefines.ATMarketMoversDbResponseType(int  
atMarketMoversDbResponseType)
```


at.shared

Class ATServerAPIDefines.ATQuoteDbResponseType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATQuoteDbResponseType

public class ATServerAPIDefines.ATQuoteDbResponseType
extends Object

Field Summary

public	m_atQuoteDbResponseType
public static final	QuoteDbResponseDenied Value: 3
public static final	QuoteDbResponseInvalidRequest Value: 2
public static final	QuoteDbResponseSuccess Value: 1

Constructor Summary

public	ATServerAPIDefines.ATQuoteDbResponseType()
public	ATServerAPIDefines.ATQuoteDbResponseType(int atQuoteDbResponseType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

QuoteDbResponseSuccess

public static final int **QuoteDbResponseSuccess**

Constant value: 1

QuoteDbResponseInvalidRequest

public static final int **QuoteDbResponseInvalidRequest**

(continued from last page)

Constant value: 2

QuoteDbResponseDenied

```
public static final int QuoteDbResponseDenied
```

Constant value: 3

m_atQuoteDbResponseType

```
public int m_atQuoteDbResponseType
```

Constructors

ATServerAPIDefines.ATQuoteDbResponseType

```
public ATServerAPIDefines.ATQuoteDbResponseType()
```

ATServerAPIDefines.ATQuoteDbResponseType

```
public ATServerAPIDefines.ATQuoteDbResponseType(int atQuoteDbResponseType)
```

at.shared

Class ATServerAPIDefines.ATSymbolStatus

java.lang.Object

└--at.shared.ATServerAPIDefines.ATSymbolStatus

public class **ATServerAPIDefines.ATSymbolStatus**
extends Object

Field Summary

public	m_atSymbolStatus
public static final	SymbolStatusInvalid Value: 2
public static final	SymbolStatusNoPermission Value: 4
public static final	SymbolStatusSuccess Value: 1
public static final	SymbolStatusUnavailable Value: 3

Constructor Summary

public	ATServerAPIDefines.ATSymbolStatus()
public	ATServerAPIDefines.ATSymbolStatus (byte atSymbolStatus)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

SymbolStatusSuccess

public static final byte **SymbolStatusSuccess**

Constant value: 1

(continued from last page)

SymbolStatusInvalid

```
public static final byte SymbolStatusInvalid
```

Constant value: 2

SymbolStatusUnavailable

```
public static final byte SymbolStatusUnavailable
```

Constant value: 3

SymbolStatusNoPermission

```
public static final byte SymbolStatusNoPermission
```

Constant value: 4

m_atSymbolStatus

```
public byte m_atSymbolStatus
```

Constructors

ATServerAPIDefines.ATSymbolStatus

```
public ATServerAPIDefines.ATSymbolStatus()
```

ATServerAPIDefines.ATSymbolStatus

```
public ATServerAPIDefines.ATSymbolStatus(byte atSymbolStatus)
```

at.shared

Class ATServerAPIDefines.ATFieldStatus

java.lang.Object

└-at.shared.ATServerAPIDefines.ATFieldStatus

public class ATServerAPIDefines.ATFieldStatus
extends Object

Field Summary

public static final	Denied Value: 4
public static final	Invalid Value: 2
public	m_atFieldStatus
public static final	Success Value: 1
public static final	Unavailable Value: 3

Constructor Summary

public	ATServerAPIDefines.ATFieldStatus()
public	ATServerAPIDefines.ATFieldStatus (byte atFieldStatus)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

Success

public static final byte **Success**

Constant value: 1

(continued from last page)

Invalid

```
public static final byte Invalid
```

Constant value: 2

Unavailable

```
public static final byte Unavailable
```

Constant value: 3

Denied

```
public static final byte Denied
```

Constant value: 4

m_atFieldStatus

```
public byte m_atFieldStatus
```

Constructors

ATServerAPIDefines.ATFieldStatus

```
public ATServerAPIDefines.ATFieldStatus()
```

ATServerAPIDefines.ATFieldStatus

```
public ATServerAPIDefines.ATFieldStatus(byte atFieldStatus)
```

at.shared

Class ATServerAPIDefines.ATQuoteFieldType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATQuoteFieldType

public class **ATServerAPIDefines.ATQuoteFieldType**
extends Object

Field Summary

public static final	<u>AfterMarketClosePrice</u> Value: 14
public static final	<u>AfterMarketTradeCount</u> Value: 32
public static final	<u>AfterMarketVolume</u> Value: 29
public static final	<u>AskExchange</u> Value: 16
public static final	<u>AskPrice</u> Value: 7
public static final	<u>AskSize</u> Value: 26
public static final	<u>BidExchange</u> Value: 15
public static final	<u>BidPrice</u> Value: 6
public static final	<u>BidSize</u> Value: 25
public static final	<u>ClosePrice</u> Value: 4
public static final	<u>DayHighDateTime</u> Value: 22
public static final	<u>DayHighPrice</u> Value: 10

public static final	DayLowDateTime Value: 23
public static final	DayLowPrice Value: 11
public static final	ExtendedHoursLastPrice Value: 13
public static final	FundamentalEquityName Value: 33
public static final	FundamentalEquityPrimaryExchange Value: 34
public static final	HighPrice Value: 8
public static final	LastCondition Value: 18
public static final	LastExchange Value: 17
public static final	LastPrice Value: 5
public static final	LastQuoteDateTime Value: 21
public static final	LastSize Value: 24
public static final	LastTradeDateTime Value: 20
public static final	LowPrice Value: 9
public	m_atQuoteFieldType
public static final	OpenPrice Value: 2
public static final	PreMarketOpenPrice Value: 12

public static final	PreMarketTradeCount Value: 31
public static final	PreMarketVolume Value: 28
public static final	PreviousClosePrice Value: 3
public static final	QuoteCondition Value: 19
public static final	Symbol Value: 1
public static final	TradeCount Value: 30
public static final	Volume Value: 27

Constructor Summary

public	ATServerAPIDefines.ATQuoteFieldType()
public	ATServerAPIDefines.ATQuoteFieldType (byte atQuoteFieldType)
public	ATServerAPIDefines.ATQuoteFieldType (short atQuoteFieldType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

Symbol

public static final short **Symbol**

Constant value: 1

OpenPrice

public static final short **OpenPrice**

Constant value: 2

PreviousClosePrice

public static final short **PreviousClosePrice**

Constant value: 3

ClosePrice

public static final short **ClosePrice**

Constant value: 4

LastPrice

public static final short **LastPrice**

Constant value: 5

BidPrice

public static final short **BidPrice**

Constant value: 6

AskPrice

public static final short **AskPrice**

Constant value: 7

HighPrice

public static final short **HighPrice**

Constant value: 8

LowPrice

public static final short **LowPrice**

Constant value: 9

DayHighPrice

public static final short **DayHighPrice**

Constant value: 10

(continued from last page)

DayLowPrice

public static final short **DayLowPrice**

Constant value: 11

PreMarketOpenPrice

public static final short **PreMarketOpenPrice**

Constant value: 12

ExtendedHoursLastPrice

public static final short **ExtendedHoursLastPrice**

Constant value: 13

AfterMarketClosePrice

public static final short **AfterMarketClosePrice**

Constant value: 14

BidExchange

public static final short **BidExchange**

Constant value: 15

AskExchange

public static final short **AskExchange**

Constant value: 16

LastExchange

public static final short **LastExchange**

Constant value: 17

LastCondition

public static final short **LastCondition**

Constant value: 18

QuoteCondition

public static final short **QuoteCondition**

(continued from last page)

Constant value: 19

LastTradeDateTime

public static final short **LastTradeDateTime**

Constant value: 20

LastQuoteDateTime

public static final short **LastQuoteDateTime**

Constant value: 21

DayHighDateTime

public static final short **DayHighDateTime**

Constant value: 22

DayLowDateTime

public static final short **DayLowDateTime**

Constant value: 23

LastSize

public static final short **LastSize**

Constant value: 24

BidSize

public static final short **BidSize**

Constant value: 25

AskSize

public static final short **AskSize**

Constant value: 26

Volume

public static final short **Volume**

Constant value: 27

PreMarketVolume

public static final short **PreMarketVolume**

Constant value: 28

AfterMarketVolume

public static final short **AfterMarketVolume**

Constant value: 29

TradeCount

public static final short **TradeCount**

Constant value: 30

PreMarketTradeCount

public static final short **PreMarketTradeCount**

Constant value: 31

AfterMarketTradeCount

public static final short **AfterMarketTradeCount**

Constant value: 32

FundamentalEquityName

public static final short **FundamentalEquityName**

Constant value: 33

FundamentalEquityPrimaryExchange

public static final short **FundamentalEquityPrimaryExchange**

Constant value: 34

m_atQuoteFieldType

public short **m_atQuoteFieldType**

Constructors

(continued from last page)

ATServerAPIDefines.ATQuoteFieldType

```
public ATServerAPIDefines.ATQuoteFieldType()
```

ATServerAPIDefines.ATQuoteFieldType

```
public ATServerAPIDefines.ATQuoteFieldType(byte atQuoteFieldType)
```

ATServerAPIDefines.ATQuoteFieldType

```
public ATServerAPIDefines.ATQuoteFieldType(short atQuoteFieldType)
```

at.shared

Class ATServerAPIDefines.ATDataType

java.lang.Object

└-at.shared.ATServerAPIDefines.ATDataType

public class **ATServerAPIDefines.ATDataType**
extends Object

Field Summary

public static final	Byte Value: 1
public static final	ByteArray Value: 2
public static final	DateTime Value: 10
public static final	Double Value: 7
public static final	Integer32 Value: 5
public static final	Integer64 Value: 6
public	m_atDataType
public static final	String Value: 8
public static final	UInteger32 Value: 3
public static final	UInteger64 Value: 4
public static final	UnicodeString Value: 9

Constructor Summary

public	ATServerAPIDefines.ATDataType()
--------	---

public

[ATServerAPIDefines.ATDataType](#)(int atDataType)**Methods inherited from class** java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

Byte

```
public static final int Byte
```

Constant value: 1

ByteArray

```
public static final int ByteArray
```

Constant value: 2

UInteger32

```
public static final int UInteger32
```

Constant value: 3

UInteger64

```
public static final int UInteger64
```

Constant value: 4

Integer32

```
public static final int Integer32
```

Constant value: 5

Integer64

```
public static final int Integer64
```

Constant value: 6

Double

```
public static final int Double
```


(continued from last page)

Constant value: 7

String

```
public static final int String
```

Constant value: 8

UnicodeString

```
public static final int UnicodeString
```

Constant value: 9

DateTime

```
public static final int DateTime
```

Constant value: 10

m_atDataType

```
public int m_atDataType
```

Constructors

ATServerAPIDefines.ATDataType

```
public ATServerAPIDefines.ATDataType()
```

ATServerAPIDefines.ATDataType

```
public ATServerAPIDefines.ATDataType(int atDataType)
```

at.shared

Class ATServerAPIDefines.ATSymbolType

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATSymbolType

public class ATServerAPIDefines.ATSymbolType
extends Object

Field Summary

public static final	Bond Value: 66
public static final	Currency Value: 67
public static final	Index Value: 73
public	m_atSymbolType
public static final	MutualFund Value: 77
public static final	Stock Value: 83
public static final	StockOption Value: 79
public static final	TopMarketMovers Value: 84

Constructor Summary

public	ATServerAPIDefines.ATSymbolType()
public	ATServerAPIDefines.ATSymbolType(byte atSymbolType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

(continued from last page)

Fields

Stock

```
public static final byte Stock
```

Constant value: 83

Index

```
public static final byte Index
```

Constant value: 73

StockOption

```
public static final byte StockOption
```

Constant value: 79

Bond

```
public static final byte Bond
```

Constant value: 66

MutualFund

```
public static final byte MutualFund
```

Constant value: 77

TopMarketMovers

```
public static final byte TopMarketMovers
```

Constant value: 84

Currency

```
public static final byte Currency
```

Constant value: 67

m_atSymbolType

```
public byte m_atSymbolType
```

Constructors

(continued from last page)

ATServerAPIDefines.ATSymbolType

```
public ATServerAPIDefines.ATSymbolType()
```

ATServerAPIDefines.ATSymbolType

```
public ATServerAPIDefines.ATSymbolType(byte atSymbolType)
```

at.shared

Class ATServerAPIDefines.ATExchangeType

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATExchangeType

public class ATServerAPIDefines.ATExchangeType
extends Object

Field Summary

public static final	AMEX Value: 65
public static final	BatsExchange Value: 90
public static final	BatsYExchange Value: 89
public static final	ChicagoBoardOptionsExchange Value: 87
public static final	ChicagoStockExchange Value: 77
public static final	Composite Value: 32
public static final	CQS Value: 69
public static final	CTANasdaqOMX Value: 84
public static final	CTS Value: 83
public static final	EdgaExchange Value: 74
public static final	EdgxExchange Value: 75
public static final	FinraAdf Value: 68

public static final	Forex Value: 70
public static final	InternationalSecuritiesExchange Value: 73
public	m_atExchangeType
public static final	NasdaqOmx Value: 81
public static final	NasdaqOmxBx Value: 66
public static final	NasdaqOmxPhlx Value: 88
public static final	NationalStockExchange Value: 67
public static final	NNOTC Value: 117
public static final	NyseArcaExchange Value: 80
public static final	NyseEuronext Value: 78
public static final	OTCBB Value: 85

Constructor Summary

public	ATServerAPIDefines.ATExchangeType ()
public	ATServerAPIDefines.ATExchangeType (char atExchangeType)
public	ATServerAPIDefines.ATExchangeType (byte atExchangeType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

AMEX

public static final byte **AMEX**

Constant value: 65

NasdaqOmxBx

public static final byte **NasdaqOmxBx**

Constant value: 66

NationalStockExchange

public static final byte **NationalStockExchange**

Constant value: 67

FinraAdf

public static final byte **FinraAdf**

Constant value: 68

CQS

public static final byte **CQS**

Constant value: 69

Forex

public static final byte **Forex**

Constant value: 70

InternationalSecuritiesExchange

public static final byte **InternationalSecuritiesExchange**

Constant value: 73

EdgaExchange

public static final byte **EdgaExchange**

Constant value: 74

(continued from last page)

EdgxExchange

public static final byte **EdgxExchange**

Constant value: 75

ChicagoStockExchange

public static final byte **ChicagoStockExchange**

Constant value: 77

NyseEuronext

public static final byte **NyseEuronext**

Constant value: 78

NyseArcaExchange

public static final byte **NyseArcaExchange**

Constant value: 80

NasdaqOmx

public static final byte **NasdaqOmx**

Constant value: 81

CTS

public static final byte **CTS**

Constant value: 83

CTANasdaqOMX

public static final byte **CTANasdaqOMX**

Constant value: 84

OTCBB

public static final byte **OTCBB**

Constant value: 85

NNOTC

public static final byte **NNOTC**

(continued from last page)

Constant value: 117

ChicagoBoardOptionsExchange

```
public static final byte ChicagoBoardOptionsExchange
```

Constant value: 87

NasdaqOmxPhlx

```
public static final byte NasdaqOmxPhlx
```

Constant value: 88

BatsYExchange

```
public static final byte BatsYExchange
```

Constant value: 89

BatsExchange

```
public static final byte BatsExchange
```

Constant value: 90

Composite

```
public static final byte Composite
```

Constant value: 32

m_atExchangeType

```
public byte m_atExchangeType
```

Constructors

ATServerAPIDefines.ATExchangeType

```
public ATServerAPIDefines.ATExchangeType()
```

ATServerAPIDefines.ATExchangeType

```
public ATServerAPIDefines.ATExchangeType(char atExchangeType)
```

ATServerAPIDefines.ATExchangeType

public **ATServerAPIDefines.ATExchangeType**(byte atExchangeType)

at.shared

Class ATServerAPIDefines.ATCountryType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATCountryType

public class ATServerAPIDefines.ATCountryType
extends Object

Field Summary

public static final	International Value: 73
public	m_atCountryType
public static final	UnitedStates Value: 85

Constructor Summary

public	ATServerAPIDefines.ATCountryType()
public	ATServerAPIDefines.ATCountryType (byte atCountryType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

International

public static final byte **International**

Constant value: 73

UnitedStates

public static final byte **UnitedStates**

Constant value: 85

(continued from last page)

m_atCountryType

```
public byte m_atCountryType
```

Constructors

ATServerAPIDefines.ATCountryType

```
public ATServerAPIDefines.ATCountryType()
```

ATServerAPIDefines.ATCountryType

```
public ATServerAPIDefines.ATCountryType(byte atCountryType)
```

at.shared

Class ATServerAPIDefines.ATTradeMessageFlags

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATTradeMessageFlags

public class ATServerAPIDefines.ATTradeMessageFlags
extends Object

Field Summary

public static final	AfterMarketVolume Value: 256
public static final	DayHighPrice Value: 16
public static final	DayLowPrice Value: 32
public static final	ExtendedMarketLastPrice Value: 64
public static final	HighPrice Value: 4
public static final	LowPrice Value: 8
public	m_attradeMessageFlags
public static final	PreMarketOpenPrice Value: 512
public static final	PreMarketVolume Value: 128
public static final	RegularMarketLastPrice Value: 1
public static final	RegularMarketOpenPrice Value: 1024
public static final	RegularMarketVolume Value: 2

Constructor Summary

public	ATServerAPIDefines.ATTradeMessageFlags()
public	ATServerAPIDefines.ATTradeMessageFlags(int attradeMessageFlags)

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

RegularMarketLastPrice

```
public static final int RegularMarketLastPrice
```

Constant value: 1

RegularMarketVolume

```
public static final int RegularMarketVolume
```

Constant value: 2

HighPrice

```
public static final int HighPrice
```

Constant value: 4

LowPrice

```
public static final int LowPrice
```

Constant value: 8

DayHighPrice

```
public static final int DayHighPrice
```

Constant value: 16

DayLowPrice

```
public static final int DayLowPrice
```

Constant value: 32

(continued from last page)

ExtendedMarketLastPrice

```
public static final int ExtendedMarketLastPrice
```

Constant value: 64

PreMarketVolume

```
public static final int PreMarketVolume
```

Constant value: 128

AfterMarketVolume

```
public static final int AfterMarketVolume
```

Constant value: 256

PreMarketOpenPrice

```
public static final int PreMarketOpenPrice
```

Constant value: 512

RegularMarketOpenPrice

```
public static final int RegularMarketOpenPrice
```

Constant value: 1024

m_attradeMessageFlags

```
public int m_attradeMessageFlags
```

Constructors

ATServerAPIDefines.ATTradeMessageFlags

```
public ATServerAPIDefines.ATTradeMessageFlags()
```

ATServerAPIDefines.ATTradeMessageFlags

```
public ATServerAPIDefines.ATTradeMessageFlags(int attradeMessageFlags)
```

at.shared

Class ATServerAPIDefines.ATTradeConditionType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATTradeConditionType

public class ATServerAPIDefines.ATTradeConditionType
extends Object

Field Summary

public static final	Acquisition Value: 1
public static final	AutomaticExecution Value: 3
public static final	AveragePrice Value: 2
public static final	Bunched Value: 4
public static final	BunchSold Value: 5
public static final	CAPElection Value: 6
public static final	Cash Value: 7
public static final	Closing Value: 8
public static final	Cross Value: 9
public static final	DerivativelyPriced Value: 10
public static final	Distribution Value: 11
public static final	FormT Value: 12

public static final	FormTOutOfSequence Value: 13
public static final	InterMarketSweep Value: 14
public	m_atTradeConditionType
public static final	MarketCenterClosing Value: 19
public static final	MarketCenterOfficialClose Value: 15
public static final	MarketCenterOfficialOpen Value: 16
public static final	MarketCenterOpening Value: 17
public static final	MarketCenterReOpening Value: 18
public static final	NextDay Value: 20
public static final	Opened Value: 26
public static final	Opening Value: 25
public static final	PriceVariation Value: 21
public static final	PriorReferencePrice Value: 22
public static final	Regular Value: 0
public static final	RegularStoppedStock Value: 27
public static final	ReOpening Value: 28

public static final	Rule127Nyse Value: 24
public static final	Rule155Amex Value: 23
public static final	Seller Value: 29
public static final	SoldLast Value: 30
public static final	SoldLastStoppedStock Value: 31
public static final	SoldOutOfSequence Value: 32
public static final	SoldOutOfSequenceStoppedStock Value: 33
public static final	Split Value: 34
public static final	StockOption Value: 35
public static final	YellowFlag Value: 36

Constructor Summary

public	ATServerAPIDefines.ATTradeConditionType()
public	ATServerAPIDefines.ATTradeConditionType (int atTradeConditionType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

Regular

public static final int **Regular**

Constant value: 0

Acquisition

public static final int **Acquisition**

Constant value: 1

AveragePrice

public static final int **AveragePrice**

Constant value: 2

AutomaticExecution

public static final int **AutomaticExecution**

Constant value: 3

Bunched

public static final int **Bunched**

Constant value: 4

BunchSold

public static final int **BunchSold**

Constant value: 5

CAPElection

public static final int **CAPElection**

Constant value: 6

Cash

public static final int **Cash**

Constant value: 7

Closing

public static final int **Closing**

Constant value: 8

(continued from last page)

Cross

```
public static final int Cross
```

Constant value: 9

DerivativelyPriced

```
public static final int DerivativelyPriced
```

Constant value: 10

Distribution

```
public static final int Distribution
```

Constant value: 11

FormT

```
public static final int FormT
```

Constant value: 12

FormTOutOfSequence

```
public static final int FormTOutOfSequence
```

Constant value: 13

InterMarketSweep

```
public static final int InterMarketSweep
```

Constant value: 14

MarketCenterOfficialClose

```
public static final int MarketCenterOfficialClose
```

Constant value: 15

MarketCenterOfficialOpen

```
public static final int MarketCenterOfficialOpen
```

Constant value: 16

MarketCenterOpening

```
public static final int MarketCenterOpening
```

(continued from last page)

Constant value: 17

MarketCenterReOpening

public static final int **MarketCenterReOpening**

Constant value: 18

MarketCenterClosing

public static final int **MarketCenterClosing**

Constant value: 19

NextDay

public static final int **NextDay**

Constant value: 20

PriceVariation

public static final int **PriceVariation**

Constant value: 21

PriorReferencePrice

public static final int **PriorReferencePrice**

Constant value: 22

Rule155Amex

public static final int **Rule155Amex**

Constant value: 23

Rule127Nyse

public static final int **Rule127Nyse**

Constant value: 24

Opening

public static final int **Opening**

Constant value: 25

Opened

public static final int **Opened**

Constant value: 26

RegularStoppedStock

public static final int **RegularStoppedStock**

Constant value: 27

ReOpening

public static final int **ReOpening**

Constant value: 28

Seller

public static final int **Seller**

Constant value: 29

SoldLast

public static final int **SoldLast**

Constant value: 30

SoldLastStoppedStock

public static final int **SoldLastStoppedStock**

Constant value: 31

SoldOutOfSequence

public static final int **SoldOutOfSequence**

Constant value: 32

SoldOutOfSequenceStoppedStock

public static final int **SoldOutOfSequenceStoppedStock**

Constant value: 33

(continued from last page)

Split

```
public static final int Split
```

Constant value: 34

StockOption

```
public static final int StockOption
```

Constant value: 35

YellowFlag

```
public static final int YellowFlag
```

Constant value: 36

m_atTradeConditionType

```
public int m_atTradeConditionType
```

Constructors

ATServerAPIDefines.ATTradeConditionType

```
public ATServerAPIDefines.ATTradeConditionType()
```

ATServerAPIDefines.ATTradeConditionType

```
public ATServerAPIDefines.ATTradeConditionType(int atTradeConditionType)
```

at.shared

Class ATServerAPIDefines.ATQuoteConditionType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATQuoteConditionType

public class ATServerAPIDefines.ATQuoteConditionType
extends Object

Field Summary

public	m_quoteConditionType
public static final	QuoteConditionAdditionalInformation Value: 26
public static final	QuoteConditionAdditionalInformationDueToRelatedSecurity Value: 28
public static final	QuoteConditionAutomatedBidNoOfferNoBid Value: 34
public static final	QuoteConditionClosed Value: 15
public static final	QuoteConditionClosing Value: 14
public static final	QuoteConditionDueToRelatedSecurity Value: 29
public static final	QuoteConditionDueToRelatedSecurityNewsDissemination Value: 24
public static final	QuoteConditionDueToRelatedSecurityNewsPending Value: 25
public static final	QuoteConditionEquipmentChangeover Value: 31
public static final	QuoteConditionFastTrading Value: 17
public static final	QuoteConditionInViewOfCommon Value: 30

public static final	QuoteConditionManualAskAutomaticBid Value: 10
public static final	QuoteConditionManualBidAndAsk Value: 12
public static final	QuoteConditionManualBidAutomaticAsk Value: 11
public static final	QuoteConditionMarketMakerQuotesClosed Value: 19
public static final	QuoteConditionNewsDissemination Value: 21
public static final	QuoteConditionNewsPending Value: 27
public static final	QuoteConditionNonFirm Value: 20
public static final	QuoteConditionNoOpenNoResume Value: 32
public static final	QuoteConditionOpening Value: 13
public static final	QuoteConditionOrderImbalance Value: 23
public static final	QuoteConditionOrderInflux Value: 22
public static final	QuoteConditionRegular Value: 0
public static final	QuoteConditionRegularOneSidedOpen Value: 2
public static final	QuoteConditionRegularTwoSidedOpen Value: 1
public static final	QuoteConditionResume Value: 16
public static final	QuoteConditionSlowAsk Value: 3

public static final	QuoteConditionSlowBid Value: 4
public static final	QuoteConditionSlowBidAsk Value: 5
public static final	QuoteConditionSlowDueLRPAsk Value: 7
public static final	QuoteConditionSlowDueLRPBid Value: 6
public static final	QuoteConditionSlowDueNYSELRP Value: 8
public static final	QuoteConditionSlowDueSetSlowListBidAsk Value: 9
public static final	QuoteConditionSubPennyTrading Value: 33
public static final	QuoteConditionTradingRangeIndication Value: 18

Constructor Summary

public	ATServerAPIDefines.ATQuoteConditionType()
public	ATServerAPIDefines.ATQuoteConditionType (byte quoteCondtionType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

QuoteConditionRegular

public static final byte **QuoteConditionRegular**

Constant value: 0

QuoteConditionRegularTwoSidedOpen

public static final byte **QuoteConditionRegularTwoSidedOpen**

Constant value: 1

QuoteConditionRegularOneSidedOpen

public static final byte **QuoteConditionRegularOneSidedOpen**

Constant value: 2

QuoteConditionSlowAsk

public static final byte **QuoteConditionSlowAsk**

Constant value: 3

QuoteConditionSlowBid

public static final byte **QuoteConditionSlowBid**

Constant value: 4

QuoteConditionSlowBidAsk

public static final byte **QuoteConditionSlowBidAsk**

Constant value: 5

QuoteConditionSlowDueLRPBid

public static final byte **QuoteConditionSlowDueLRPBid**

Constant value: 6

QuoteConditionSlowDueLRPAsk

public static final byte **QuoteConditionSlowDueLRPAsk**

Constant value: 7

QuoteConditionSlowDueNYSELRP

public static final byte **QuoteConditionSlowDueNYSELRP**

Constant value: 8

QuoteConditionSlowDueSetSlowListBidAsk

public static final byte **QuoteConditionSlowDueSetSlowListBidAsk**

Constant value: 9

(continued from last page)

QuoteConditionManualAskAutomaticBid

```
public static final byte QuoteConditionManualAskAutomaticBid
```

Constant value: 10

QuoteConditionManualBidAutomaticAsk

```
public static final byte QuoteConditionManualBidAutomaticAsk
```

Constant value: 11

QuoteConditionManualBidAndAsk

```
public static final byte QuoteConditionManualBidAndAsk
```

Constant value: 12

QuoteConditionOpening

```
public static final byte QuoteConditionOpening
```

Constant value: 13

QuoteConditionClosing

```
public static final byte QuoteConditionClosing
```

Constant value: 14

QuoteConditionClosed

```
public static final byte QuoteConditionClosed
```

Constant value: 15

QuoteConditionResume

```
public static final byte QuoteConditionResume
```

Constant value: 16

QuoteConditionFastTrading

```
public static final byte QuoteConditionFastTrading
```

Constant value: 17

QuoteConditionTradingRangeIndication

```
public static final byte QuoteConditionTradingRangeIndication
```

(continued from last page)

Constant value: 18

QuoteConditionMarketMakerQuotesClosed

public static final byte **QuoteConditionMarketMakerQuotesClosed**

Constant value: 19

QuoteConditionNonFirm

public static final byte **QuoteConditionNonFirm**

Constant value: 20

QuoteConditionNewsDissemination

public static final byte **QuoteConditionNewsDissemination**

Constant value: 21

QuoteConditionOrderInflux

public static final byte **QuoteConditionOrderInflux**

Constant value: 22

QuoteConditionOrderImbalance

public static final byte **QuoteConditionOrderImbalance**

Constant value: 23

QuoteConditionDueToRelatedSecurityNewsDissemination

public static final byte **QuoteConditionDueToRelatedSecurityNewsDissemination**

Constant value: 24

QuoteConditionDueToRelatedSecurityNewsPending

public static final byte **QuoteConditionDueToRelatedSecurityNewsPending**

Constant value: 25

QuoteConditionAdditionalInformation

public static final byte **QuoteConditionAdditionalInformation**

Constant value: 26

QuoteConditionNewsPending

public static final byte **QuoteConditionNewsPending**

Constant value: 27

QuoteConditionAdditionalInformationDueToRelatedSecurity

public static final byte **QuoteConditionAdditionalInformationDueToRelatedSecurity**

Constant value: 28

QuoteConditionDueToRelatedSecurity

public static final byte **QuoteConditionDueToRelatedSecurity**

Constant value: 29

QuoteConditionInViewOfCommon

public static final byte **QuoteConditionInViewOfCommon**

Constant value: 30

QuoteConditionEquipmentChangeover

public static final byte **QuoteConditionEquipmentChangeover**

Constant value: 31

QuoteConditionNoOpenNoResume

public static final byte **QuoteConditionNoOpenNoResume**

Constant value: 32

QuoteConditionSubPennyTrading

public static final byte **QuoteConditionSubPennyTrading**

Constant value: 33

QuoteConditionAutomatedBidNoOfferNoBid

public static final byte **QuoteConditionAutomatedBidNoOfferNoBid**

Constant value: 34

(continued from last page)

m_quoteConditionType

```
public byte m_quoteConditionType
```

Constructors

ATServerAPIDefines.ATQuoteConditionType

```
public ATServerAPIDefines.ATQuoteConditionType()
```

ATServerAPIDefines.ATQuoteConditionType

```
public ATServerAPIDefines.ATQuoteConditionType(byte quoteCondtionType)
```

at.shared

Class ATServerAPIDefines.ATStreamRequestType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATStreamRequestType

public class ATServerAPIDefines.ATStreamRequestType
extends Object

Field Summary	
public	m_streamRequestType
public static final	StreamRequestSubscribe Value: 1
public static final	StreamRequestUnsubscribe Value: 2

Constructor Summary	
public	ATServerAPIDefines.ATStreamRequestType()

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

Fields

StreamRequestSubscribe

public static final byte **StreamRequestSubscribe**

Constant value: 1

StreamRequestUnsubscribe

public static final byte **StreamRequestUnsubscribe**

Constant value: 2

m_streamRequestType

public byte **m_streamRequestType**

(continued from last page)

Constructors

ATServerAPIDefines.ATStreamRequestType

```
public ATServerAPIDefines.ATStreamRequestType( )
```

at.shared

Class ATServerAPIDefines.ATStreamResponseType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATStreamResponseType

public class ATServerAPIDefines.ATStreamResponseType
extends Object

Field Summary

public	m_responseType
public static final	StreamResponseDenied Value: 3
public static final	StreamResponseInvalidRequest Value: 2
public static final	StreamResponseSuccess Value: 1

Constructor Summary

public	ATServerAPIDefines.ATStreamResponseType()
public	ATServerAPIDefines.ATStreamResponseType (byte responseType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

StreamResponseSuccess

public static final byte **StreamResponseSuccess**

Constant value: 1

StreamResponseInvalidRequest

public static final byte **StreamResponseInvalidRequest**

(continued from last page)

Constant value: 2

StreamResponseDenied

```
public static final byte StreamResponseDenied
```

Constant value: 3

m_responseType

```
public byte m_responseType
```

Constructors

ATServerAPIDefines.ATStreamResponseType

```
public ATServerAPIDefines.ATStreamResponseType()
```

ATServerAPIDefines.ATStreamResponseType

```
public ATServerAPIDefines.ATStreamResponseType(byte responseType)
```

at.shared

Class ATServerAPIDefines.ATStreamUpdateType

java.lang.Object

└─at.shared.ATServerAPIDefines.ATStreamUpdateType

public class ATServerAPIDefines.ATStreamUpdateType
extends Object

Field Summary

public	m_nUpdateType
public static final	StreamUpdateQuote Value: 2
public static final	StreamUpdateRefresh Value: 3
public static final	StreamUpdateTopMarketMovers Value: 4
public static final	StreamUpdateTrade Value: 1

Constructor Summary

public	ATServerAPIDefines.ATStreamUpdateType()
public	ATServerAPIDefines.ATStreamUpdateType(int nUpdateType)

Method Summary

int	GetUpdateType()
void	SetUpdateType(int nUpdateType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

StreamUpdateTrade

```
public static final byte StreamUpdateTrade
```

Constant value: 1

StreamUpdateQuote

```
public static final byte StreamUpdateQuote
```

Constant value: 2

StreamUpdateRefresh

```
public static final byte StreamUpdateRefresh
```

Constant value: 3

StreamUpdateTopMarketMovers

```
public static final byte StreamUpdateTopMarketMovers
```

Constant value: 4

m_nUpdateType

```
public int m_nUpdateType
```

Constructors

ATServerAPIDefines.ATStreamUpdateType

```
public ATServerAPIDefines.ATStreamUpdateType()
```

ATServerAPIDefines.ATStreamUpdateType

```
public ATServerAPIDefines.ATStreamUpdateType(int nUpdateType)
```

Methods

GetUpdateType

```
public int GetUpdateType()
```

(continued from last page)

SetUpdateType

```
public void SetUpdateType(int nUpdateType)
```

at.shared

Class ATServerAPIDefines.ATBarHistoryType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATBarHistoryType

public class **ATServerAPIDefines.ATBarHistoryType**
extends Object

Field Summary

public static final	BarHistoryDaily Value: 1
public static final	BarHistoryIntraday Value: 0
public static final	BarHistoryWeekly Value: 2
public	m_BarHistoryType

Constructor Summary

public	ATServerAPIDefines.ATBarHistoryType()
public	ATServerAPIDefines.ATBarHistoryType (byte type)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

BarHistoryIntraday

public static final byte **BarHistoryIntraday**

Constant value: 0

BarHistoryDaily

public static final byte **BarHistoryDaily**

(continued from last page)

Constant value: 1

BarHistoryWeekly

```
public static final byte BarHistoryWeekly
```

Constant value: 2

m_BarHistoryType

```
public byte m_BarHistoryType
```

Constructors

ATServerAPIDefines.ATBarHistoryType

```
public ATServerAPIDefines.ATBarHistoryType()
```

ATServerAPIDefines.ATBarHistoryType

```
public ATServerAPIDefines.ATBarHistoryType(byte type)
```


at.shared

Class ATServerAPIDefines.ATBarHistoryResponseType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATBarHistoryResponseType

public class ATServerAPIDefines.ATBarHistoryResponseType
extends Object

Field Summary

public static final	BarHistoryResponseDenied Value: 4
public static final	BarHistoryResponseInvalidRequest Value: 2
public static final	BarHistoryResponseMaxLimitReached Value: 3
public static final	BarHistoryResponseSuccess Value: 1
public	m_responseType

Constructor Summary

public	ATServerAPIDefines.ATBarHistoryResponseType (int responseType)
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

BarHistoryResponseSuccess

public static final byte **BarHistoryResponseSuccess**

Constant value: 1

BarHistoryResponseInvalidRequest

public static final byte **BarHistoryResponseInvalidRequest**

(continued from last page)

Constant value: 2

BarHistoryResponseMaxLimitReached

```
public static final byte BarHistoryResponseMaxLimitReached
```

Constant value: 3

BarHistoryResponseDenied

```
public static final byte BarHistoryResponseDenied
```

Constant value: 4

m_responseType

```
public int m_responseType
```

Constructors

ATServerAPIDefines.ATBarHistoryResponseType

```
public ATServerAPIDefines.ATBarHistoryResponseType(int responseType)
```

at.shared

Class ATServerAPIDefines.ATTickHistoryRecordType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATTickHistoryRecordType

public class ATServerAPIDefines.ATTickHistoryRecordType
extends Object

Field Summary

public	m_historyRecordType
public static final	TickHistoryRecordQuote Value: 2
public static final	TickHistoryRecordTrade Value: 1

Constructor Summary

public	ATServerAPIDefines.ATTickHistoryRecordType()
public	ATServerAPIDefines.ATTickHistoryRecordType (byte historyRecordType)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

TickHistoryRecordTrade

public static final byte **TickHistoryRecordTrade**

Constant value: 1

TickHistoryRecordQuote

public static final byte **TickHistoryRecordQuote**

Constant value: 2

(continued from last page)

m_historyRecordType

public byte **m_historyRecordType**

Constructors

ATServerAPIDefines.ATTickHistoryRecordType

public **ATServerAPIDefines.ATTickHistoryRecordType**()

ATServerAPIDefines.ATTickHistoryRecordType

public **ATServerAPIDefines.ATTickHistoryRecordType**(byte historyRecordType)

at.shared

Class ATServerAPIDefines.ATTickHistoryResponseType

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATTickHistoryResponseType

public class ATServerAPIDefines.ATTickHistoryResponseType
extends Object

Field Summary

public	m_responseType
public static final	TickHistoryResponseDenied Value: 4
public static final	TickHistoryResponseInvalidRequest Value: 2
public static final	TickHistoryResponseMaxLimitReached Value: 3
public static final	TickHistoryResponseSuccess Value: 1

Constructor Summary

public	ATServerAPIDefines.ATTickHistoryResponseType (int responseType)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

TickHistoryResponseSuccess

public static final int **TickHistoryResponseSuccess**

Constant value: 1

TickHistoryResponseInvalidRequest

public static final int **TickHistoryResponseInvalidRequest**

(continued from last page)

Constant value: 2

TickHistoryResponseMaxLimitReached

```
public static final int TickHistoryResponseMaxLimitReached
```

Constant value: 3

TickHistoryResponseDenied

```
public static final int TickHistoryResponseDenied
```

Constant value: 4

m_responseType

```
public int m_responseType
```

Constructors

ATServerAPIDefines.ATTickHistoryResponseType

```
public ATServerAPIDefines.ATTickHistoryResponseType(int responseType)
```

at.shared

Class ATServerAPIDefines.ATCursorType

java.lang.Object

└--at.shared.ATServerAPIDefines.ATCursorType

public class **ATServerAPIDefines.ATCursorType**
extends Object

Field Summary

public static final	CursorBackward Value: 2
public static final	CursorForward Value: 1
public	m_cursorType

Constructor Summary

public	ATServerAPIDefines.ATCursorType (byte byteCursorType)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

CursorForward

public static final byte **CursorForward**

Constant value: 1

CursorBackward

public static final byte **CursorBackward**

Constant value: 2

m_cursorType

public byte **m_cursorType**

(continued from last page)

Constructors

ATServerAPIDefines.ATCursorType

```
public ATServerAPIDefines.ATCursorType(byte byteCursorType)
```


at.shared

Class ATServerAPIDefines.ATSYMBOL

java.lang.Object

└--at.shared.ATServerAPIDefines.ATSYMBOL

public class ATServerAPIDefines.ATSYMBOL
extends Object

Field Summary

public	countryType
public	exchangeType
public	symbol
public	symbolType

Constructor Summary

public	ATServerAPIDefines.ATSYMBOL()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public byte **symbol**

symbolType

public byte **symbolType**

(continued from last page)

exchangeType

```
public byte exchangeType
```

countryType

```
public byte countryType
```

Constructors

ATServerAPIDefines.ATSYMBOL

```
public ATServerAPIDefines.ATSYMBOL()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATPRICE

java.lang.Object

└─at.shared.ATServerAPIDefines.ATPRICE

public class **ATServerAPIDefines.ATPRICE**
extends Object

Field Summary

public	precision
public	price

Constructor Summary

public	ATServerAPIDefines.ATPRICE()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

price

public double **price**

precision

public byte **precision**

Constructors

ATServerAPIDefines.ATPRICE

public **ATServerAPIDefines.ATPRICE()**

(continued from last page)

Methods

getBytes

```
public byte[] getBytes()
```

at.shared Class ATServerAPIDefines.ATLOGIN_RESPONSE

java.lang.Object

└─at.shared.ATServerAPIDefines.ATLOGIN_RESPONSE

public class ATServerAPIDefines.ATLOGIN_RESPONSE
extends Object

Field Summary

public	loginResponse
public	permissions

Constructor Summary

public	ATServerAPIDefines.ATLOGIN_RESPONSE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

loginResponse

public at.shared.ATServerAPIDefines.ATLoginResponseType **loginResponse**

permissions

public byte **permissions**

Constructors

ATServerAPIDefines.ATLOGIN_RESPONSE

public ATServerAPIDefines.ATLOGIN_RESPONSE()

at.shared

Class ATServerAPIDefines.ATBARHISTORY_RESPONSE

java.lang.Object

└-at.shared.ATServerAPIDefines.ATBARHISTORY_RESPONSE

public class ATServerAPIDefines.ATBARHISTORY_RESPONSE
extends Object

Field Summary

public	recordCount
public	status
public	symbol

Constructor Summary

public	ATServerAPIDefines.ATBARHISTORY_RESPONSE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

status

public at.shared.ATServerAPIDefines.ATSymbolStatus **status**

recordCount

public long **recordCount**

Constructors

(continued from last page)

ATServerAPIDefines.ATBARHISTORY_RESPONSE

```
public ATServerAPIDefines.ATBARHISTORY_RESPONSE( )
```

at.shared

Class ATServerAPIDefines.SYSTEMTIME

java.lang.Object

└─at.shared.ATServerAPIDefines.SYSTEMTIME

public class ATServerAPIDefines.SYSTEMTIME

extends Object

Field Summary

public	day
public	DayOfWeek
public	hour
public	milliseconds
public	minute
public	month
public	second
public	year

Constructor Summary

public	ATServerAPIDefines.SYSTEMTIME()
--------	---

Method Summary

byte[]	getBytes()
int	GetSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

year

public short **year**

month

public short **month**

DayOfWeek

public short **DayOfWeek**

day

public short **day**

hour

public short **hour**

minute

public short **minute**

second

public short **second**

milliseconds

public short **milliseconds**

Constructors

ATServerAPIDefines.SYSTEMTIME

public **ATServerAPIDefines.SYSTEMTIME**()

Methods

(continued from last page)

GetSize

```
public int GetSize()
```

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATBARHISTORY_RECORD

java.lang.Object

└─at.shared.ATServerAPIDefines.ATBARHISTORY_RECORD

public class ATServerAPIDefines.ATBARHISTORY_RECORD
extends Object

Field Summary

public	barTime
public	close
public	high
public	low
public	open
public	volume

Constructor Summary

public	ATServerAPIDefines.ATBARHISTORY_RECORD()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

open

public at.shared.ATServerAPIDefines.ATPRICE **open**

high

public at.shared.ATServerAPIDefines.ATPRICE **high**

(continued from last page)

low

```
public at.shared.ATServerAPIDefines.ATPRICE low
```

close

```
public at.shared.ATServerAPIDefines.ATPRICE close
```

volume

```
public long volume
```

barTime

```
public at.shared.ATServerAPIDefines.SYSTIME barTime
```

Constructors

ATServerAPIDefines.ATBARHISTORY_RECORD

```
public ATServerAPIDefines.ATBARHISTORY_RECORD( )
```

at.shared

Class ATServerAPIDefines.ATTICKHISTORY_RESPONSE

java.lang.Object

└─at.shared.ATServerAPIDefines.ATTICKHISTORY_RESPONSE

public class ATServerAPIDefines.ATTICKHISTORY_RESPONSE
extends Object

Field Summary

public	recordCount
public	status
public	symbol

Constructor Summary

public	ATServerAPIDefines.ATTICKHISTORY_RESPONSE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

status

public at.shared.ATServerAPIDefines.ATSymbolStatus **status**

recordCount

public long **recordCount**

Constructors

(continued from last page)

ATServerAPIDefines.ATTICKHISTORY_RESPONSE

```
public ATServerAPIDefines.ATTICKHISTORY_RESPONSE( )
```

at.shared

Class ATServerAPIDefines.ATTICKHISTORY_RECORD

java.lang.Object
└--at.shared.ATServerAPIDefines.ATTICKHISTORY_RECORD

Direct Known Subclasses:
[ATTICKHISTORY_QUOTE_RECORD](#), [ATTICKHISTORY_TRADE_RECORD](#)

public class ATServerAPIDefines.ATTICKHISTORY_RECORD
extends Object

Field Summary	
public	recordType

Constructor Summary	
public	ATServerAPIDefines.ATTICKHISTORY_RECORD()

Methods inherited from class java.lang.Object	
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait	

Fields

recordType
public at.shared.ATServerAPIDefines.ATTickHistoryRecordType **recordType**

Constructors

ATServerAPIDefines.ATTICKHISTORY_RECORD
public ATServerAPIDefines.ATTICKHISTORY_RECORD()

at.shared

Class ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD

java.lang.Object

└- [at.shared.ATServerAPIDefines.ATTICKHISTORY_RECORD](#)
└- **at.shared.ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD**

public class **ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD**
extends [ATServerAPIDefines.ATTICKHISTORY_RECORD](#)

Field Summary

public	lastCondition
public	lastDateTime
public	lastExchange
public	lastPrice
public	lastSize

Fields inherited from class [at.shared.ATServerAPIDefines.ATTICKHISTORY_RECORD](#)

[recordType](#)

Constructor Summary

public	ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

lastExchange

public at.shared.ATServerAPIDefines.ATExchangeType **lastExchange**

lastCondition

```
public at.shared.ATServerAPIDefines.ATTradeConditionType lastCondition
```

lastPrice

```
public at.shared.ATServerAPIDefines.ATPRICE lastPrice
```

lastSize

```
public long lastSize
```

lastDateTime

```
public at.shared.ATServerAPIDefines.SYSTIME lastDateTime
```

Constructors

ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD

```
public ATServerAPIDefines.ATTICKHISTORY_TRADE_RECORD()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD

java.lang.Object

└- [at.shared.ATServerAPIDefines.ATTICKHISTORY_RECORD](#)
└- **at.shared.ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD**

public class **ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD**
extends [ATServerAPIDefines.ATTICKHISTORY_RECORD](#)

Field Summary

public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	quoteCondition
public	quoteDateTime

Fields inherited from class [at.shared.ATServerAPIDefines.ATTICKHISTORY_RECORD](#)

[recordType](#)

Constructor Summary

public	ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

(continued from last page)

Fields

bidExchange

```
public at.shared.ATServerAPIDefines.ATExchangeType bidExchange
```

askExchange

```
public at.shared.ATServerAPIDefines.ATExchangeType askExchange
```

quoteCondition

```
public at.shared.ATServerAPIDefines.ATQuoteConditionType quoteCondition
```

bidPrice

```
public at.shared.ATServerAPIDefines.ATPRICE bidPrice
```

askPrice

```
public at.shared.ATServerAPIDefines.ATPRICE askPrice
```

bidSize

```
public long bidSize
```

askSize

```
public long askSize
```

quoteDateTime

```
public at.shared.ATServerAPIDefines.SYSTIME quoteDateTime
```

Constructors

ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD

```
public ATServerAPIDefines.ATTICKHISTORY_QUOTE_RECORD( )
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM

public class ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM
extends Object

Field Summary

public	beginDateTime
public	endDateTime
public	symbolType

Constructor Summary

public	ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbolType

public at.shared.ATServerAPIDefines.ATSymbolType **symbolType**

beginDateTime

public at.shared.ATServerAPIDefines.SYSTETIME **beginDateTime**

endDateTime

public at.shared.ATServerAPIDefines.SYSTETIME **endDateTime**

(continued from last page)

Constructors

ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM

```
public ATServerAPIDefines.ATMARKET_HOLIDAYSLIST_ITEM()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATMARKET_MOVERS_ITEM

java.lang.Object

└-at.shared.ATServerAPIDefines.ATMARKET_MOVERS_ITEM

public class ATServerAPIDefines.ATMARKET_MOVERS_ITEM
extends Object

Field Summary

public	closePrice
public	lastDateTime
public	lastPrice
public	name
public	symbol
public	volume

Constructor Summary

public	ATServerAPIDefines.ATMARKET_MOVERS_ITEM()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

(continued from last page)

name

```
public byte name
```

lastPrice

```
public at.shared.ATServerAPIDefines.ATPRICE lastPrice
```

closePrice

```
public at.shared.ATServerAPIDefines.ATPRICE closePrice
```

volume

```
public long volume
```

lastDateTime

```
public at.shared.ATServerAPIDefines.SYSTIME lastDateTime
```

Constructors

ATServerAPIDefines.ATMARKET_MOVERS_ITEM

```
public ATServerAPIDefines.ATMARKET_MOVERS_ITEM()
```

Methods

getBytes

```
public byte[] getBytes()
```


at.shared

Class ATServerAPIDefines.ATMARKET_MOVERS_RECORD

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATMARKET_MOVERS_RECORD

public class ATServerAPIDefines.ATMARKET_MOVERS_RECORD
extends Object

Field Summary

public	items
public	status
public	symbol

Constructor Summary

public	ATServerAPIDefines.ATMARKET_MOVERS_RECORD()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

status

public at.shared.ATServerAPIDefines.ATSymbolStatus **status**

items

public at.shared.ATServerAPIDefines.ATMARKET_MOVERS_ITEM **items**

(continued from last page)

Constructors

ATServerAPIDefines.ATMARKET_MOVERS_RECORD

```
public ATServerAPIDefines.ATMARKET_MOVERS_RECORD()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared Class ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE

public class ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE
extends Object

Field Summary

public	marketMoversCount
public	responseType

Constructor Summary

public	ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

responseType

public at.shared.ATServerAPIDefines.ATMarketMoversDbTypeResponseType **responseType**

marketMoversCount

public long **marketMoversCount**

Constructors

ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE

public ATServerAPIDefines.ATMARKET_MOVERSDB_RESPONSE()

at.shared Class

ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE

java.lang.Object

└-at.shared.ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE

public class ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE
extends Object

Field Summary

public	responseType
--------	------------------------------

Constructor Summary

public	ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

responseType

public at.shared.ATServerAPIDefines.ATStreamResponseType **responseType**

Constructors

ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE

public ATServerAPIDefines.ATMARKET_MOVERS_STREAM_RESPONSE()

at.shared

Class

ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE

java.lang.Object

├─ [at.shared.ATServerAPIDefines.ATSTREAM_UPDATE](#)
└─ **at.shared.ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE**

public class **ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE**
extends [ATServerAPIDefines.ATSTREAM_UPDATE](#)

Field Summary

public	lastUpdateTime
public	marketMovers

Fields inherited from class [at.shared.ATServerAPIDefines.ATSTREAM_UPDATE](#)

[updateType](#)

Constructor Summary

public	ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

marketMovers

public at.shared.ATServerAPIDefines.ATMARKET_MOVERS_RECORD **marketMovers**

lastUpdateTime

public at.shared.ATServerAPIDefines.SYSTETIME **lastUpdateTime**

Constructors

(continued from last page)

ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE

```
public ATServerAPIDefines.ATMARKET_MOVERS_STREAM_UPDATE( )
```

at.shared

Class ATServerAPIDefines.ATQUOTEDB_RESPONSE

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATQUOTEDB_RESPONSE

public class ATServerAPIDefines.ATQUOTEDB_RESPONSE
extends Object

Field Summary

public	dataItemCount
public	status
public	symbol

Constructor Summary

public	ATServerAPIDefines.ATQUOTEDB_RESPONSE()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

status

public at.shared.ATServerAPIDefines.ATSymbolStatus **status**

dataItemCount

public int **dataItemCount**

(continued from last page)

Constructors

ATServerAPIDefines.ATQUOTEDB_RESPONSE

```
public ATServerAPIDefines.ATQUOTEDB_RESPONSE()
```

Methods

getBytes

```
public byte[] getBytes()
```


at.shared

Class ATServerAPIDefines.ATQUOTEDB_DATA_ITEM

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATQUOTEDB_DATA_ITEM

public class ATServerAPIDefines.ATQUOTEDB_DATA_ITEM
extends Object

Field Summary

public	dataType
public	fieldStatus
public	fieldType

Constructor Summary

public	ATServerAPIDefines.ATQUOTEDB_DATA_ITEM()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

fieldType

public at.shared.ATServerAPIDefines.ATQuoteFieldType **fieldType**

fieldStatus

public at.shared.ATServerAPIDefines.ATFieldStatus **fieldStatus**

dataType

public at.shared.ATServerAPIDefines.ATDataType **dataType**

(continued from last page)

Constructors

ATServerAPIDefines.ATQUOTEDB_DATA_ITEM

```
public ATServerAPIDefines.ATQUOTEDB_DATA_ITEM()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATQUOTESTREAM_RESPONSE

java.lang.Object

└─at.shared.ATServerAPIDefines.ATQUOTESTREAM_RESPONSE

public class ATServerAPIDefines.ATQUOTESTREAM_RESPONSE
extends Object

Field Summary

public	dataItemCount
public	responseType

Constructor Summary

public	ATServerAPIDefines.ATQUOTESTREAM_RESPONSE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

responseType

public at.shared.ATServerAPIDefines.ATStreamResponseType **responseType**

dataItemCount

public int **dataItemCount**

Constructors

ATServerAPIDefines.ATQUOTESTREAM_RESPONSE

public ATServerAPIDefines.ATQUOTESTREAM_RESPONSE()

at.shared

Class ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM

java.lang.Object

↳ at.shared.ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM

public class ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM
extends Object

Field Summary

public	symbol
public	symbolStatus

Constructor Summary

public	ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

symbolStatus

public at.shared.ATServerAPIDefines.ATSymbolStatus **symbolStatus**

Constructors

ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM

public ATServerAPIDefines.ATQUOTESTREAM_DATA_ITEM()

(continued from last page)

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerAPIDefines.ATSTREAM_UPDATE

java.lang.Object

└─at.shared.ATServerAPIDefines.ATSTREAM_UPDATE

Direct Known Subclasses:

[ATQUOTESTREAM_REFRESH_UPDATE](#), [ATQUOTESTREAM_QUOTE_UPDATE](#),
[ATQUOTESTREAM_TRADE_UPDATE](#), [ATMARKET_MOVERS_STREAM_UPDATE](#)

```
public class ATServerAPIDefines.ATSTREAM_UPDATE
extends Object
```

Field Summary

public	updateType
--------	----------------------------

Constructor Summary

public	ATServerAPIDefines.ATSTREAM_UPDATE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

updateType

public at.shared.ATServerAPIDefines.ATStreamUpdateType **updateType**

Constructors

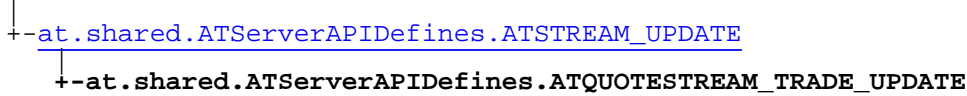
ATServerAPIDefines.ATSTREAM_UPDATE

public **ATServerAPIDefines.ATSTREAM_UPDATE()**

at.shared

Class ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE

java.lang.Object



public class ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE
extends [ATServerAPIDefines.ATSTREAM_UPDATE](#)

Field Summary

public	condition
public	flags
public	lastDateTime
public	lastExchange
public	lastPrice
public	lastSize
public	symbol

Fields inherited from class [at.shared.ATServerAPIDefines.ATSTREAM_UPDATE](#)

[updateType](#)

Constructor Summary

public	ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE()
--------	---

Method Summary

void	Set (ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE update)
------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

symbol

```
public at.shared.ATServerAPIDefines.ATSYMBOL symbol
```

flags

```
public at.shared.ATServerAPIDefines.ATTradeMessageFlags flags
```

condition

```
public at.shared.ATServerAPIDefines.ATTradeConditionType condition
```

lastExchange

```
public at.shared.ATServerAPIDefines.ATEXCHANGETYPE lastExchange
```

lastPrice

```
public at.shared.ATServerAPIDefines.ATPRICE lastPrice
```

lastSize

```
public long lastSize
```

lastDateTime

```
public at.shared.ATServerAPIDefines.SYSTIME lastDateTime
```

Constructors

ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE

```
public ATServerAPIDefines.ATQUOTESTREAM_TRADE_UPDATE( )
```

Methods

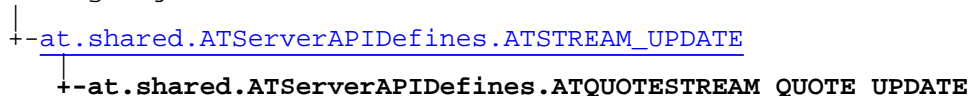
Set

```
public void Set(ATServerAPIDefines.ATQUOTESTREAM\_TRADE\_UPDATE update)
```

at.shared

Class ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE

java.lang.Object



public class **ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE**
 extends [ATServerAPIDefines.ATSTREAM_UPDATE](#)

Field Summary

public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	condition
public	quoteDateTime
public	symbol

Fields inherited from class [at.shared.ATServerAPIDefines.ATSTREAM_UPDATE](#)

[updateType](#)

Constructor Summary

public	ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE()
--------	---

Method Summary

void	Set (ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE update)
------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.ATServerAPIDefines.ATSYMBOL **symbol**

condition

public at.shared.ATServerAPIDefines.ATQuoteConditionType **condition**

bidExchange

public at.shared.ATServerAPIDefines.ATEXCHANGEType **bidExchange**

askExchange

public at.shared.ATServerAPIDefines.ATEXCHANGEType **askExchange**

bidPrice

public at.shared.ATServerAPIDefines.ATPRICE **bidPrice**

askPrice

public at.shared.ATServerAPIDefines.ATPRICE **askPrice**

bidSize

public long **bidSize**

askSize

public long **askSize**

quoteDateTime

public at.shared.ATServerAPIDefines.SYSTIME **quoteDateTime**

Constructors

ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE

```
public ATServerAPIDefines.ATQUOTESTREAM_QUOTE_UPDATE()
```

Methods

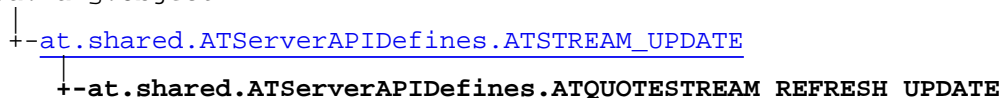
Set

```
public void Set(ATServerAPIDefines.ATQUOTESTREAM\_QUOTE\_UPDATE update)
```

at.shared

Class ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE

java.lang.Object



public class **ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE**
extends [ATServerAPIDefines.ATSTREAM_UPDATE](#)

Field Summary

public	afterMarketClosePrice
public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	closePrice
public	highPrice
public	lastCondition
public	lastExchange
public	lastPrice
public	lastSize
public	lowPrice
public	openPrice
public	prevClosePrice
public	quoteCondition

public	symbol
public	volume

Fields inherited from class [at.shared.ATServerAPIDefines.ATSTREAM_UPDATE](#)

[updateType](#)

Constructor Summary

public	ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE()
--------	---

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

symbol

```
public at.shared.ATServerAPIDefines.ATSYMBOL symbol
```

lastCondition

```
public at.shared.ATServerAPIDefines.ATTradeConditionType lastCondition
```

quoteCondition

```
public at.shared.ATServerAPIDefines.ATQuoteConditionType quoteCondition
```

openPrice

```
public at.shared.ATServerAPIDefines.ATPRICE openPrice
```

lastPrice

```
public at.shared.ATServerAPIDefines.ATPRICE lastPrice
```

highPrice

```
public at.shared.ATServerAPIDefines.ATPRICE highPrice
```

lowPrice

public at.shared.ATServerAPIDefines.ATPRICE **lowPrice**

closePrice

public at.shared.ATServerAPIDefines.ATPRICE **closePrice**

prevClosePrice

public at.shared.ATServerAPIDefines.ATPRICE **prevClosePrice**

afterMarketClosePrice

public at.shared.ATServerAPIDefines.ATPRICE **afterMarketClosePrice**

bidPrice

public at.shared.ATServerAPIDefines.ATPRICE **bidPrice**

askPrice

public at.shared.ATServerAPIDefines.ATPRICE **askPrice**

lastExchange

public at.shared.ATServerAPIDefines.ATEXCHANGETYPE **lastExchange**

bidExchange

public at.shared.ATServerAPIDefines.ATEXCHANGETYPE **bidExchange**

askExchange

public at.shared.ATServerAPIDefines.ATEXCHANGETYPE **askExchange**

bidSize

public long **bidSize**

(continued from last page)

askSize

public long **askSize**

lastSize

public long **lastSize**

volume

public long **volume**

Constructors

ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE

public **ATServerAPIDefines.ATQUOTESTREAM_REFRESH_UPDATE**()

at.shared

Class ATServerAPIDefines.QuoteDbDataItem

java.lang.Object

└─at.shared.ATServerAPIDefines.QuoteDbDataItem

public class ATServerAPIDefines.QuoteDbDataItem
extends Object

Field Summary

public	m_dataItem
--------	----------------------------

Constructor Summary

public	ATServerAPIDefines.QuoteDbDataItem(ATServerAPIDefines.ATQUOTEDB_DATA_ITEM dataItem, MemBuffer buffer)
--------	---

Method Summary

byte[]	GetItemData()
--------	-------------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_dataItem

public at.shared.ATServerAPIDefines.ATQUOTEDB_DATA_ITEM **m_dataItem**

Constructors

ATServerAPIDefines.QuoteDbDataItem

public ATServerAPIDefines.QuoteDbDataItem([ATServerAPIDefines.ATQUOTEDB_DATA_ITEM](#) dataItem,
[MemBuffer](#) buffer)

Methods

(continued from last page)

GetItemData

```
public byte[] GetItemData()
```

at.shared

Class ATServerAPIDefines.QuoteDbResponseItem

java.lang.Object

└─at.shared.ATServerAPIDefines.QuoteDbResponseItem

public class ATServerAPIDefines.QuoteDbResponseItem
extends Object

Field Summary

public	m_atResponse
public	m_vecDataItems

Constructor Summary

public	ATServerAPIDefines.QuoteDbResponseItem()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_atResponse

public at.shared.ATServerAPIDefines.ATQUOTEDB_RESPONSE **m_atResponse**

m_vecDataItems

public java.util.Vector **m_vecDataItems**

Constructors

ATServerAPIDefines.QuoteDbResponseItem

public ATServerAPIDefines.QuoteDbResponseItem()

at.shared

Class ATServerProtocolDefines

java.lang.Object

└-at.shared.ATServerProtocolDefines

public class **ATServerProtocolDefines**
extends Object

Nested Class Summary

class	ATServerProtocolDefines.AT_BARHISTORY_RECORD ATServerProtocolDefines.AT_BARHISTORY_RECORD
class	ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE
class	ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST
class	ATServerProtocolDefines.AT_BARHISTORY_REQ ATServerProtocolDefines.AT_BARHISTORY_REQ
class	ATServerProtocolDefines.AT_BARHISTORY_RESP ATServerProtocolDefines.AT_BARHISTORY_RESP
class	ATServerProtocolDefines.AT_LOGIN_REQ ATServerProtocolDefines.AT_LOGIN_REQ
class	ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA
class	ATServerProtocolDefines.AT_LOGIN_RESP ATServerProtocolDefines.AT_LOGIN_RESP
class	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM
class	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ
class	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP
class	ATServerProtocolDefines.AT_MARKET_MOVERS ATServerProtocolDefines.AT_MARKET_MOVERS
class	ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM
class	ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ

class	<u>ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP</u> ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP
class	<u>ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE</u> ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE
class	<u>ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ</u> ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ
class	<u>ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP</u> ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP
class	<u>ATServerProtocolDefines.AT_PERMISSIONS</u> ATServerProtocolDefines.AT_PERMISSIONS
class	<u>ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM</u> ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM
class	<u>ATServerProtocolDefines.AT_QUOTEDB_REQ</u> ATServerProtocolDefines.AT_QUOTEDB_REQ
class	<u>ATServerProtocolDefines.AT_QUOTEDB_RESP</u> ATServerProtocolDefines.AT_QUOTEDB_RESP
class	<u>ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM</u> ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE</u> ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE</u> ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_REQ</u> ATServerProtocolDefines.AT_QUOTESTREAM_REQ
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_RESP</u> ATServerProtocolDefines.AT_QUOTESTREAM_RESP
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM</u> ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM
class	<u>ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE</u> ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE
class	<u>ATServerProtocolDefines.AT_SERVERTIME_UPDATE</u> ATServerProtocolDefines.AT_SERVERTIME_UPDATE
class	<u>ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD</u> ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD
class	<u>ATServerProtocolDefines.AT_TICKHISTORY_RECORD</u> ATServerProtocolDefines.AT_TICKHISTORY_RECORD
class	<u>ATServerProtocolDefines.AT_TICKHISTORY_REQ</u> ATServerProtocolDefines.AT_TICKHISTORY_REQ
class	<u>ATServerProtocolDefines.AT_TICKHISTORY_RESP</u> ATServerProtocolDefines.AT_TICKHISTORY_RESP

class	ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD
class	ATServerProtocolDefines.CustomerAccountStateType ATServerProtocolDefines.CustomerAccountStateType
class	ATServerProtocolDefines.PACKET_HEADER ATServerProtocolDefines.PACKET_HEADER
class	ATServerProtocolDefines.PacketFlagType ATServerProtocolDefines.PacketFlagType
class	ATServerProtocolDefines.PacketId ATServerProtocolDefines.PacketId
class	ATServerProtocolDefines.QuoteMsgFieldType ATServerProtocolDefines.QuoteMsgFieldType
class	ATServerProtocolDefines.TradeMsgFieldType ATServerProtocolDefines.TradeMsgFieldType

Field Summary

public static final	FundamentalNameMaxLength Value: 100
public static final	PACKET_HEADER_SIZE Value: 7
public static final	UserIdMaxLength Value: 20
public static final	UserPasswordMaxLength Value: 20

Constructor Summary

public	ATServerProtocolDefines ()
--------	--

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

FundamentalNameMaxLength

`public static final int FundamentalNameMaxLength`

Constant value: 100

UserIdMaxLength

```
public static final int UserIdMaxLength
```

Constant value: 20

UserPasswordMaxLength

```
public static final int UserPasswordMaxLength
```

Constant value: 20

PACKET_HEADER_SIZE

```
public static final int PACKET_HEADER_SIZE
```

Constant value: 7

Constructors

ATServerProtocolDefines

```
public ATServerProtocolDefines()
```

at.shared

Class ATServerProtocolDefines.PacketFlagType

java.lang.Object

└─at.shared.ATServerProtocolDefines.PacketFlagType

public class ATServerProtocolDefines.PacketFlagType
extends Object

Field Summary

public static final	Encrypted Value: 1
public	m_packetFlagType

Constructor Summary

public	ATServerProtocolDefines.PacketFlagType (int flagType)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

Encrypted

public static final int **Encrypted**

Constant value: 1

m_packetFlagType

public int **m_packetFlagType**

Constructors

ATServerProtocolDefines.PacketFlagType

public **ATServerProtocolDefines.PacketFlagType**(int flagType)

at.shared

Class ATServerProtocolDefines.PACKET_HEADER

java.lang.Object

└─at.shared.ATServerProtocolDefines.PACKET_HEADER

public class ATServerProtocolDefines.PACKET_HEADER
extends Object

Field Summary

public	flags
public	packetId
public	packetSize

Constructor Summary

public	ATServerProtocolDefines.PACKET_HEADER()
--------	---

Method Summary

byte[]	getBytes()
ATServerProtocolDefines.PACKET_HEADER	GetPacketHeader (byte[] bytes, int offset)
int	getPacketHeaderSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

packetId

public short **packetId**

packetSize

public int **packetSize**

(continued from last page)

flags

```
public byte flags
```

Constructors

ATServerProtocolDefines.PACKET_HEADER

```
public ATServerProtocolDefines.PACKET_HEADER()
```

Methods

getPacketHeaderSize

```
public int getPacketHeaderSize()
```

getBytes

```
public byte[] getBytes()
```

GetPacketHeader

```
public ATServerProtocolDefines.PACKET\_HEADER GetPacketHeader(byte[] bytes,  
int offset)
```

at.shared

Class ATServerProtocolDefines.CustomerAccountStateType

java.lang.Object

└─at.shared.ATServerProtocolDefines.CustomerAccountStateType

public class ATServerProtocolDefines.CustomerAccountStateType
extends Object

Field Summary

public static final	CustomerAccountStateClosed Value: 4
public static final	CustomerAccountStateCreating Value: 1
public static final	CustomerAccountStatePaymentPastDue Value: 5
public static final	CustomerAccountStateValid Value: 3
public static final	CustomerAccountStateValidating Value: 2

Constructor Summary

public	ATServerProtocolDefines.CustomerAccountStateType()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

CustomerAccountStateCreating

public static final int CustomerAccountStateCreating

Constant value: 1

(continued from last page)

CustomerAccountStateValidating

```
public static final int CustomerAccountStateValidating
```

Constant value: 2

CustomerAccountStateValid

```
public static final int CustomerAccountStateValid
```

Constant value: 3

CustomerAccountStateClosed

```
public static final int CustomerAccountStateClosed
```

Constant value: 4

CustomerAccountStatePaymentPastDue

```
public static final int CustomerAccountStatePaymentPastDue
```

Constant value: 5

Constructors

ATServerProtocolDefines.CustomerAccountStateType

```
public ATServerProtocolDefines.CustomerAccountStateType()
```

at.shared

Class ATServerProtocolDefines.PacketId

java.lang.Object

↳ at.shared.ATServerProtocolDefines.PacketId

public class ATServerProtocolDefines.PacketId
extends Object

Field Summary

public static final	BarHistoryReq Value: 3
public static final	BarHistoryResp Value: 4
public static final	DuplicateLoginDisconnectUpdate Value: 22
public static final	LoginReq Value: 1
public static final	LoginResp Value: 2
public	m_PacketId
public static final	MarketHolidaysListReq Value: 19
public static final	MarketHolidaysListResp Value: 20
public static final	MarketMoversDbReq Value: 7
public static final	MarketMoversDbResp Value: 8
public static final	MarketMoversStreamReq Value: 9
public static final	MarketMoversStreamResp Value: 10

public static final	MarketMoversStreamUpdate Value: 11
public static final	QuoteDbReq Value: 12
public static final	QuoteDbResp Value: 13
public static final	QuoteStreamReq Value: 14
public static final	QuoteStreamResp Value: 15
public static final	ServerTimeUpdate Value: 21
public static final	StreamQuoteUpdate Value: 16
public static final	StreamRefreshUpdate Value: 18
public static final	StreamTradeUpdate Value: 17
public static final	TickHistoryReq Value: 5
public static final	TickHistoryResp Value: 6

Constructor Summary

public	ATServerProtocolDefines.PacketId (int packetId)
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

LoginReq

public static final int **LoginReq**

(continued from last page)

Constant value: 1

LoginResp

```
public static final int LoginResp
```

Constant value: 2

BarHistoryReq

```
public static final int BarHistoryReq
```

Constant value: 3

BarHistoryResp

```
public static final int BarHistoryResp
```

Constant value: 4

TickHistoryReq

```
public static final int TickHistoryReq
```

Constant value: 5

TickHistoryResp

```
public static final int TickHistoryResp
```

Constant value: 6

MarketMoversDbReq

```
public static final int MarketMoversDbReq
```

Constant value: 7

MarketMoversDbResp

```
public static final int MarketMoversDbResp
```

Constant value: 8

MarketMoversStreamReq

```
public static final int MarketMoversStreamReq
```

Constant value: 9

(continued from last page)

MarketMoversStreamResp

```
public static final int MarketMoversStreamResp
```

Constant value: 10

MarketMoversStreamUpdate

```
public static final int MarketMoversStreamUpdate
```

Constant value: 11

QuoteDbReq

```
public static final int QuoteDbReq
```

Constant value: 12

QuoteDbResp

```
public static final int QuoteDbResp
```

Constant value: 13

QuoteStreamReq

```
public static final int QuoteStreamReq
```

Constant value: 14

QuoteStreamResp

```
public static final int QuoteStreamResp
```

Constant value: 15

StreamQuoteUpdate

```
public static final int StreamQuoteUpdate
```

Constant value: 16

StreamTradeUpdate

```
public static final int StreamTradeUpdate
```

Constant value: 17

StreamRefreshUpdate

```
public static final int StreamRefreshUpdate
```

(continued from last page)

Constant value: 18

MarketHolidaysListReq

```
public static final int MarketHolidaysListReq
```

Constant value: 19

MarketHolidaysListResp

```
public static final int MarketHolidaysListResp
```

Constant value: 20

ServerTimeUpdate

```
public static final int ServerTimeUpdate
```

Constant value: 21

DuplicateLoginDisconnectUpdate

```
public static final int DuplicateLoginDisconnectUpdate
```

Constant value: 22

m_PacketId

```
public int m_PacketId
```

Constructors

ATServerProtocolDefines.PacketId

```
public ATServerProtocolDefines.PacketId(int packetId)
```


at.shared

Class ATServerProtocolDefines.TradeMsgFieldType

java.lang.Object

↳ at.shared.ATServerProtocolDefines.TradeMsgFieldType

public class ATServerProtocolDefines.TradeMsgFieldType
extends Object

Field Summary

public static final	TradeMsgFieldCondition Value: 16
public static final	TradeMsgFieldFlags Value: 1
public static final	TradeMsgFieldLastExchange Value: 2
public static final	TradeMsgFieldLastPrice Value: 4
public static final	TradeMsgFieldLastSize Value: 8
public static final	TradeMsgFieldMultipleConditions Value: 32

Constructor Summary

public	ATServerProtocolDefines.TradeMsgFieldType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

TradeMsgFieldFlags

public static final int **TradeMsgFieldFlags**

Constant value: 1

TradeMsgFieldLastExchange

```
public static final int TradeMsgFieldLastExchange
```

Constant value: 2

TradeMsgFieldLastPrice

```
public static final int TradeMsgFieldLastPrice
```

Constant value: 4

TradeMsgFieldLastSize

```
public static final int TradeMsgFieldLastSize
```

Constant value: 8

TradeMsgFieldCondition

```
public static final int TradeMsgFieldCondition
```

Constant value: 16

TradeMsgFieldMultipleConditions

```
public static final int TradeMsgFieldMultipleConditions
```

Constant value: 32

Constructors

ATServerProtocolDefines.TradeMsgFieldType

```
public ATServerProtocolDefines.TradeMsgFieldType()
```

at.shared

Class ATServerProtocolDefines.QuoteMsgFieldType

java.lang.Object

└─at.shared.ATServerProtocolDefines.QuoteMsgFieldType

public class ATServerProtocolDefines.QuoteMsgFieldType
extends Object

Field Summary

public static final	QuoteMsgFieldAskExchange Value: 4
public static final	QuoteMsgFieldAskPrice Value: 16
public static final	QuoteMsgFieldAskSize Value: 64
public static final	QuoteMsgFieldBidExchange Value: 2
public static final	QuoteMsgFieldBidPrice Value: 8
public static final	QuoteMsgFieldBidSize Value: 32
public static final	QuoteMsgFieldCondition Value: 1

Constructor Summary

public	ATServerProtocolDefines.QuoteMsgFieldType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

QuoteMsgFieldCondition

```
public static final int QuoteMsgFieldCondition
```

Constant value: 1

QuoteMsgFieldBidExchange

```
public static final int QuoteMsgFieldBidExchange
```

Constant value: 2

QuoteMsgFieldAskExchange

```
public static final int QuoteMsgFieldAskExchange
```

Constant value: 4

QuoteMsgFieldBidPrice

```
public static final int QuoteMsgFieldBidPrice
```

Constant value: 8

QuoteMsgFieldAskPrice

```
public static final int QuoteMsgFieldAskPrice
```

Constant value: 16

QuoteMsgFieldBidSize

```
public static final int QuoteMsgFieldBidSize
```

Constant value: 32

QuoteMsgFieldAskSize

```
public static final int QuoteMsgFieldAskSize
```

Constant value: 64

Constructors

ATServerProtocolDefines.QuoteMsgFieldType

```
public ATServerProtocolDefines.QuoteMsgFieldType()
```

at.shared

Class ATServerProtocolDefines.AT_PERMISSIONS

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_PERMISSIONS

public class ATServerProtocolDefines.AT_PERMISSIONS
extends Object

Field Summary

public	permissions
--------	-----------------------------

Constructor Summary

public	ATServerProtocolDefines.AT_PERMISSIONS()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

permissions

public byte **permissions**

Constructors

ATServerProtocolDefines.AT_PERMISSIONS

public **ATServerProtocolDefines.AT_PERMISSIONS()**

at.shared Class ATServerProtocolDefines.AT_LOGIN_REQ

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_LOGIN_REQ

public class ATServerProtocolDefines.AT_LOGIN_REQ
extends Object

Field Summary

public	activeTickClientInstance
public	clientVersion
public	encryptedDataSize
public	encryptedPrivateAPIUserId
public	privateAPIUserIdKey
public	publicAPIUserId
public	requestId
public	reserved
public	userId

Constructor Summary

public	ATServerProtocolDefines.AT_LOGIN_REQ()
--------	--

Method Summary

byte[]	getBytes()
int	getLoginRequestSize()
byte[]	getUserIdArray()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

```
public long requestId
```

clientVersion

```
public int clientVersion
```

userId

```
public java.lang.String userId
```

encryptedDataSize

```
public int encryptedDataSize
```

publicAPIUserId

```
public at.shared.ATServerAPIDefines.ATGUID publicAPIUserId
```

privateAPIUserIdKey

```
public at.shared.ATServerAPIDefines.ATGUID privateAPIUserIdKey
```

encryptedPrivateAPIUserId

```
public at.shared.ATServerAPIDefines.ATGUID encryptedPrivateAPIUserId
```

activeTickClientInstance

```
public byte activeTickClientInstance
```

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_LOGIN_REQ

```
public ATServerProtocolDefines.AT_LOGIN_REQ()
```

Methods

getLoginRequestSize

```
public int getLoginRequestSize()
```

getBytes

```
public byte[] getBytes()
```

getUserIdArray

```
public byte[] getUserIdArray()
```


at.shared Class

ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA

public class ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA
extends Object

Field Summary

public	sessionKey
public	userPassword

Constructor Summary

public	ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA()
--------	---

Method Summary

byte[]	getBytes()
byte[]	getPasswordArray()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

userPassword

public java.lang.String **userPassword**

sessionKey

public at.shared.ATServerAPIDefines.ATGUID **sessionKey**

Constructors

(continued from last page)

ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA

```
public ATServerProtocolDefines.AT_LOGIN_REQ_ENCRYPTED_DATA()
```

Methods

getBytes

```
public byte[] getBytes()
```

getPasswordArray

```
public byte[] getPasswordArray()
```

at.shared

Class ATServerProtocolDefines.AT_LOGIN_RESP

java.lang.Object

└--at.shared.ATServerProtocolDefines.AT_LOGIN_RESP

public class ATServerProtocolDefines.AT_LOGIN_RESP
extends Object

Field Summary

public	origRequestId
public	permissions
public	reserved
public	responseType
public	serverDateTime
public	serverVersion

Constructor Summary

public	ATServerProtocolDefines.AT_LOGIN_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

serverVersion

public long **serverVersion**

(continued from last page)

responseType

public byte **responseType**

serverDateTime

public byte **serverDateTime**

permissions

public at.shared.ATServerProtocolDefines.AT_PERMISSIONS **permissions**

reserved

public byte **reserved**

Constructors

ATServerProtocolDefines.AT_LOGIN_RESP

public **ATServerProtocolDefines.AT_LOGIN_RESP()**

at.shared

Class ATServerProtocolDefines.AT_BARHISTORY_REQ

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_BARHISTORY_REQ

public class ATServerProtocolDefines.AT_BARHISTORY_REQ
extends Object

Field Summary

public	barHistoryType
public	beginDateTime
public	cursorType
public	endDateTime
public	includeExtendedHours
public	intradayMinuteCompression
public	records
public	requestId
public	reserved
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_BARHISTORY_REQ()
--------	---

Method Summary

MemBuffer	getData()
---------------------------	---------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

(continued from last page)

Fields

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

requestId

```
public long requestId
```

barHistoryType

```
public byte barHistoryType
```

cursorType

```
public byte cursorType
```

intradayMinuteCompression

```
public byte intradayMinuteCompression
```

includeExtendedHours

```
public byte includeExtendedHours
```

records

```
public int records
```

beginDateTime

```
public long beginDateTime
```

endDateTime

```
public long endDateTime
```

(continued from last page)

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_BARHISTORY_REQ

```
public ATServerProtocolDefines.AT_BARHISTORY_REQ()
```

Methods

getData

```
public MemBuffer getData()
```

at.shared

Class ATServerProtocolDefines.AT_BARHISTORY_RESP

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_BARHISTORY_RESP

public class ATServerProtocolDefines.AT_BARHISTORY_RESP
extends Object

Field Summary

public	origRequestId
public	recordCount
public	reserved
public	responseType
public	symbol
public	symbolStatus

Constructor Summary

public	ATServerProtocolDefines.AT_BARHISTORY_RESP()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

(continued from last page)

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

responseType

```
public byte responseType
```

symbolStatus

```
public byte symbolStatus
```

recordCount

```
public int recordCount
```

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_BARHISTORY_RESP

```
public ATServerProtocolDefines.AT_BARHISTORY_RESP()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_BARHISTORY_RECORD

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD

Direct Known Subclasses:

[AT_BARHISTORY_RECORD_LAST](#), [AT_BARHISTORY_RECORD_CLOSE](#)

```
public class ATServerProtocolDefines.AT_BARHISTORY_RECORD
extends Object
```

Field Summary

public	barTime
public	high
public	low
public	open
public	volume

Constructor Summary

public	ATServerProtocolDefines.AT_BARHISTORY_RECORD()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

open

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE open
```

high

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE high
```

(continued from last page)

low

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE low
```

volume

```
public long volume
```

barTime

```
public byte barTime
```

Constructors

ATServerProtocolDefines.AT_BARHISTORY_RECORD

```
public ATServerProtocolDefines.AT_BARHISTORY_RECORD( )
```

at.shared

Class

ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE

java.lang.Object

```

+--at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD
    |
    +--at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE
  
```

public class ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE
 extends [ATServerProtocolDefines.AT_BARHISTORY_RECORD](#)

Field Summary

public	close
--------	-----------------------

Fields inherited from class [at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD](#)

[barTime](#), [high](#), [low](#), [open](#), [volume](#)

Constructor Summary

public	ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

close

public at.shared.TickerPlant.TickerPlantDefines.PRICE **close**

Constructors

ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE

public **ATServerProtocolDefines.AT_BARHISTORY_RECORD_CLOSE()**

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST

java.lang.Object

└- [at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD](#)
└- **at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST**

public class **ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST**
extends [ATServerProtocolDefines.AT_BARHISTORY_RECORD](#)

Field Summary

public	last
--------	----------------------

Fields inherited from class [at.shared.ATServerProtocolDefines.AT_BARHISTORY_RECORD](#)

[barTime](#), [high](#), [low](#), [open](#), [volume](#)

Constructor Summary

public	ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST()
--------	---

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

last

public at.shared.TickerPlant.TickerPlantDefines.PRICE **last**

Constructors

ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST

public **ATServerProtocolDefines.AT_BARHISTORY_RECORD_LAST()**

(continued from last page)

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_TICKHISTORY_REQ

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_TICKHISTORY_REQ

public class ATServerProtocolDefines.AT_TICKHISTORY_REQ
extends Object

Field Summary

public	beginDateTime
public	cursorType
public	enableQuotes
public	enableTrades
public	endDateTime
public	records
public	requestId
public	reserved
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_TICKHISTORY_REQ()
--------	--

Method Summary

MemBuffer	getData()
---------------------------	---------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

requestId

```
public long requestId
```

enableQuotes

```
public byte enableQuotes
```

enableTrades

```
public byte enableTrades
```

cursorType

```
public byte cursorType
```

records

```
public int records
```

beginDateTime

```
public long beginDateTime
```

endDateTime

```
public long endDateTime
```

reserved

```
public byte reserved
```

Constructors

(continued from last page)

ATServerProtocolDefines.AT_TICKHISTORY_REQ

```
public ATServerProtocolDefines.AT_TICKHISTORY_REQ()
```

Methods

getData

```
public MemBuffer getData()
```

at.shared

Class ATServerProtocolDefines.AT_TICKHISTORY_RESP

java.lang.Object

└--at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RESP

public class ATServerProtocolDefines.AT_TICKHISTORY_RESP
extends Object

Field Summary

public	origRequestId
public	recordCount
public	reserved
public	responseType
public	symbol
public	symbolStatus

Constructor Summary

public	ATServerProtocolDefines.AT_TICKHISTORY_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **symbol**

(continued from last page)

responseType

```
public byte responseType
```

symbolStatus

```
public byte symbolStatus
```

recordCount

```
public int recordCount
```

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_TICKHISTORY_RESP

```
public ATServerProtocolDefines.AT_TICKHISTORY_RESP()
```

at.shared Class ATServerProtocolDefines.AT_TICKHISTORY_RECORD

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RECORD

Direct Known Subclasses:

[AT_TICKHISTORY_QUOTE_RECORD](#), [AT_TICKHISTORY_TRADE_RECORD](#)

```
public class ATServerProtocolDefines.AT_TICKHISTORY_RECORD
extends Object
```

Field Summary

public	recordType
--------	----------------------------

Constructor Summary

public	ATServerProtocolDefines.AT_TICKHISTORY_RECORD()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

recordType

public byte **recordType**

Constructors

ATServerProtocolDefines.AT_TICKHISTORY_RECORD

```
public ATServerProtocolDefines.AT_TICKHISTORY_RECORD()
```

at.shared

Class

ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD

java.lang.Object

├─ [at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)
└─ **at.shared.ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD**

public class **ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD**
extends [ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)

Field Summary

public	lastCondition
public	lastExchange
public	lastPrice
public	lastSize
public	tradeDateTime

Fields inherited from class [at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)

[recordType](#)

Constructor Summary

public	ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

lastExchange

public byte **lastExchange**

(continued from last page)

lastCondition

```
public byte lastCondition
```

lastPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE lastPrice
```

lastSize

```
public int lastSize
```

tradeDateTime

```
public byte tradeDateTime
```

Constructors

ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD

```
public ATServerProtocolDefines.AT_TICKHISTORY_TRADE_RECORD()
```

at.shared Class ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD

java.lang.Object

├─ [at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)
└─ **at.shared.ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD**

public class **ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD**
extends [ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)

Field Summary

public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	quoteCondition
public	quoteDateTime

Fields inherited from class [at.shared.ATServerProtocolDefines.AT_TICKHISTORY_RECORD](#)

[recordType](#)

Constructor Summary

public	ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

bidExchange

public byte **bidExchange**

askExchange

public byte **askExchange**

quoteCondition

public byte **quoteCondition**

bidPrice

public at.shared.TickerPlant.TickerPlantDefines.PRICE **bidPrice**

askPrice

public at.shared.TickerPlant.TickerPlantDefines.PRICE **askPrice**

bidSize

public int **bidSize**

askSize

public int **askSize**

quoteDateTime

public byte **quoteDateTime**

Constructors

ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD

public **ATServerProtocolDefines.AT_TICKHISTORY_QUOTE_RECORD()**

at.shared

Class ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ

public class ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ
extends Object

Field Summary

public	requestId
public	yearsGoingBack
public	yearsGoingForward

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ()
--------	--

Method Summary

MemBuffer	getData()
---------------------------	---------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

public long **requestId**

yearsGoingBack

public byte **yearsGoingBack**

yearsGoingForward

public byte **yearsGoingForward**

(continued from last page)

Constructors

ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ

```
public ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_REQ()
```

Methods

getData

```
public MemBuffer getData()
```

at.shared

Class

ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP

public class ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP
extends Object

Field Summary

public	holidaysCount
public	origRequestId

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

holidaysCount

public short **holidaysCount**

Constructors

ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP

public **ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_RESP()**

at.shared

Class

ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM

public class ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM
extends Object

Field Summary

public	beginDateTime
public	endDateTime
public	symbolType

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbolType

public byte **symbolType**

beginDateTime

public byte **beginDateTime**

endDateTime

public byte **endDateTime**

Constructors

(continued from last page)

ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM

```
public ATServerProtocolDefines.AT_MARKET_HOLIDAYSLIST_ITEM( )
```

at.shared

Class ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ

public class ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ
extends Object

Field Summary

public	requestId
public	reserved
public	symbolCount

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ()
--------	--

Method Summary

byte[]	getBytes()
MemBuffer	GetData()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

public long **requestId**

symbolCount

public short **symbolCount**

(continued from last page)

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ

```
public ATServerProtocolDefines.AT_MARKET_MOVERSDB_REQ()
```

Methods

getBytes

```
public byte[] getBytes()
```

GetData

```
public MemBuffer GetData()
```


at.shared

Class ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP

public class ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP
extends Object

Field Summary

public	marketMoversCount
public	origRequestId
public	reserved
public	responseType

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

responseType

public byte **responseType**

marketMoversCount

public short **marketMoversCount**

reserved

public byte **reserved**

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP

public **ATServerProtocolDefines.AT_MARKET_MOVERSDB_RESP**()

at.shared Class ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM

java.lang.Object

└--at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM

public class ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM
extends Object

Field Summary

public	closePrice
public	lastDateTime
public	lastPrice
public	name
public	symbol
public	volume

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **symbol**

lastPrice

public at.shared.TickerPlant.TickerPlantDefines.PRICE **lastPrice**

(continued from last page)

closePrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE closePrice
```

volume

```
public long volume
```

lastDateTime

```
public byte lastDateTime
```

name

```
public byte name
```

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM

```
public ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM()
```

at.shared

Class ATServerProtocolDefines.AT_MARKET_MOVERS

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS

public class ATServerProtocolDefines.AT_MARKET_MOVERS
extends Object

Field Summary

public	items
public	status
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERS()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **symbol**

status

public byte **status**

items

public at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS_ITEM **items**

Constructors

(continued from last page)

ATServerProtocolDefines.AT_MARKET_MOVERS

```
public ATServerProtocolDefines.AT_MARKET_MOVERS( )
```

at.shared Class

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ

```
public class ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ
extends Object
```

Field Summary

public	requestId
public	requestType
public	reserved
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ()
--------	---

Method Summary

MemBuffer	getData()
int	getSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

```
public long requestId
```

requestType

```
public byte requestType
```

(continued from last page)

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

reserved

```
public byte reserved
```

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ

```
public ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_REQ()
```

Methods

getSize

```
public int getSize()
```

getData

```
public MemBuffer getData()
```


at.shared Class

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP

public class ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP
extends Object

Field Summary

public	origRequestId
public	origRequestType
public	reserved
public	streamResponseType

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

origRequestType

public byte **origRequestType**

streamResponseType

public byte **streamResponseType**

reserved

public byte **reserved**

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP

public **ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_RESP**()

at.shared Class

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE

```
public class ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE
extends Object
```

Field Summary

public	lastUpdateTime
public	marketMovers

Constructor Summary

public	ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

marketMovers

```
public at.shared.ATServerProtocolDefines.AT_MARKET_MOVERS marketMovers
```

lastUpdateTime

```
public byte lastUpdateTime
```

Constructors

ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE

```
public ATServerProtocolDefines.AT_MARKET_MOVERS_STREAM_UPDATE()
```

at.shared

Class ATServerProtocolDefines.AT_QUOTEDB_REQ

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_QUOTEDB_REQ

public class ATServerProtocolDefines.AT_QUOTEDB_REQ
extends Object

Field Summary

public	fieldCount
public	requestId
public	symbolCount

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTEDB_REQ()
--------	--

Method Summary

byte[]	getBytes()
MemBuffer	getData()
int	getSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

public long **requestId**

symbolCount

public short **symbolCount**

fieldCount

```
public short fieldCount
```

Constructors

ATServerProtocolDefines.AT_QUOTEDB_REQ

```
public ATServerProtocolDefines.AT_QUOTEDB_REQ()
```

Methods

getSize

```
public int getSize()
```

getData

```
public MemBuffer getData()
```

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_QUOTEDB_RESP

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_QUOTEDB_RESP

public class ATServerProtocolDefines.AT_QUOTEDB_RESP
extends Object

Field Summary

public	origRequestId
public	responseItemCount
public	responseType

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTEDB_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

responseType

public byte **responseType**

responseItemCount

public short **responseItemCount**

Constructors

(continued from last page)

ATServerProtocolDefines.AT_QUOTEDB_RESP

```
public ATServerProtocolDefines.AT_QUOTEDB_RESP( )
```

at.shared

Class ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM

java.lang.Object

└--at.shared.ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM

public class ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM
extends Object

Field Summary

public	dataItemCount
public	symbol
public	symbolStatus

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **symbol**

symbolStatus

public byte **symbolStatus**

dataItemCount

public short **dataItemCount**

Constructors

(continued from last page)

ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM

```
public ATServerProtocolDefines.AT_QUOTEDB_RESP_ITEM( )
```

at.shared

Class ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM

java.lang.Object

↳ at.shared.ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM

public class ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM
extends Object

Field Summary

public	dataType
public	fieldStatus
public	fieldType

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM()
--------	--

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

fieldType

public short **fieldType**

fieldStatus

public byte **fieldStatus**

dataType

public byte **dataType**

(continued from last page)

Constructors

ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM

```
public ATServerProtocolDefines.AT_QUOTEDB_DATA_ITEM()
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_QUOTESTREAM_REQ

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_REQ

public class ATServerProtocolDefines.AT_QUOTESTREAM_REQ
extends Object

Field Summary

public	requestId
public	requestType
public	symbolCount

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_REQ()
--------	--

Method Summary

byte[]	getBytes()
int	getSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

requestId

public long **requestId**

symbolCount

public short **symbolCount**

(continued from last page)

requestType

```
public byte requestType
```

Constructors

ATServerProtocolDefines.AT_QUOTESTREAM_REQ

```
public ATServerProtocolDefines.AT_QUOTESTREAM_REQ()
```

Methods

getSize

```
public int getSize()
```

getBytes

```
public byte[] getBytes()
```

at.shared

Class ATServerProtocolDefines.AT_QUOTESTREAM_RESP

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_RESP

public class ATServerProtocolDefines.AT_QUOTESTREAM_RESP
extends Object

Field Summary

public	origRequestId
public	origRequestType
public	responseItemCount
public	streamResponseType

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_RESP()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

origRequestId

public long **origRequestId**

origRequestType

public byte **origRequestType**

streamResponseType

public byte **streamResponseType**

responseItemCount

public short **responseItemCount**

Constructors

ATServerProtocolDefines.AT_QUOTESTREAM_RESP

public **ATServerProtocolDefines.AT_QUOTESTREAM_RESP()**

at.shared**Class ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM**

java.lang.Object

└─at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM

```
public class ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM
extends Object
```

Field Summary

public	symbol
public	symbolStatus

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields**symbol**

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

symbolStatus

```
public byte symbolStatus
```

Constructors**ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM**

```
public ATServerProtocolDefines.AT_QUOTESTREAM_RESP_ITEM()
```


at.shared Class

ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE

```
public class ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE
extends Object
```

Field Summary

public	condition
public	flags
public	lastDateTime
public	lastExchange
public	lastPrice
public	lastSize
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

flags

```
public long flags
```

(continued from last page)

condition

```
public byte condition
```

lastExchange

```
public byte lastExchange
```

lastPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE lastPrice
```

lastSize

```
public long lastSize
```

lastDateTime

```
public long lastDateTime
```

Constructors

ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE

```
public ATServerProtocolDefines.AT_QUOTESTREAM_TRADE_UPDATE()
```

at.shared Class

ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE

public class ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE
extends Object

Field Summary

public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	condition
public	quoteDateTime
public	symbol

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **symbol**

condition

public byte **condition**

bidExchange

public byte **bidExchange**

askExchange

public byte **askExchange**

bidPrice

public at.shared.TickerPlant.TickerPlantDefines.PRICE **bidPrice**

askPrice

public at.shared.TickerPlant.TickerPlantDefines.PRICE **askPrice**

bidSize

public long **bidSize**

askSize

public long **askSize**

quoteDateTime

public long **quoteDateTime**

Constructors

ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE

public **ATServerProtocolDefines.AT_QUOTESTREAM_QUOTE_UPDATE**()

at.shared Class

ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE

public class ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE
extends Object

Field Summary

public	afterMarketClosePrice
public	askExchange
public	askPrice
public	askSize
public	bidExchange
public	bidPrice
public	bidSize
public	closePrice
public	highPrice
public	lastCondition
public	lastExchange
public	lastPrice
public	lastSize
public	lowPrice
public	openPrice
public	prevClosePrice
public	quoteCondition

public	symbol
public	volume

Constructor Summary

public	ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE()
--------	---

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

symbol

```
public at.shared.TickerPlant.TickerPlantDefines.SYMBOL symbol
```

lastCondition

```
public byte lastCondition
```

quoteCondition

```
public byte quoteCondition
```

openPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE openPrice
```

lastPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE lastPrice
```

highPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE highPrice
```

(continued from last page)

lowPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE lowPrice
```

closePrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE closePrice
```

prevClosePrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE prevClosePrice
```

afterMarketClosePrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE afterMarketClosePrice
```

bidPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE bidPrice
```

askPrice

```
public at.shared.TickerPlant.TickerPlantDefines.PRICE askPrice
```

lastExchange

```
public byte lastExchange
```

bidExchange

```
public byte bidExchange
```

askExchange

```
public byte askExchange
```

bidSize

```
public int bidSize
```

(continued from last page)

askSize

```
public int askSize
```

lastSize

```
public int lastSize
```

volume

```
public long volume
```

Constructors

ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE

```
public ATServerProtocolDefines.AT_QUOTESTREAM_REFRESH_UPDATE()
```


at.shared

Class ATServerProtocolDefines.AT_SERVERTIME_UPDATE

java.lang.Object

└-at.shared.ATServerProtocolDefines.AT_SERVERTIME_UPDATE

public class ATServerProtocolDefines.AT_SERVERTIME_UPDATE
extends Object

Field Summary

public	serverDateTime
--------	--------------------------------

Constructor Summary

public	ATServerProtocolDefines.AT_SERVERTIME_UPDATE()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

serverDateTime

public at.shared.ATServerAPIDefines.SYSTETIME **serverDateTime**

Constructors

ATServerProtocolDefines.AT_SERVERTIME_UPDATE

public ATServerProtocolDefines.AT_SERVERTIME_UPDATE()

Package
at.shared.TickerPlant

at.shared.TickerPlant Class DateTime

java.lang.Object

└-at.shared.TickerPlant.DateTime

public class **DateTime**
extends Object

Constructor Summary

public	DateTime()
--------	----------------------------

Method Summary

static long	GetDate (int day, int month, int year)
static TickerPlantDefines.SY STEMTIME	GetDate (long date, Boolean success)
static long	GetDate (TickerPlantDefines.SYSTEMTIME systemTime)
static ATServerAPIDefines.SY STEMTIME	GetDateTime (long dateTime, Boolean success)
static long	GetDateTime (TickerPlantDefines.SYSTEMTIME systemTime)
static ATServerAPIDefines.SY STEMTIME	GetDateTime (UInt64 li)
static long	GetTime (int hour, int minute, int second)
static TickerPlantDefines.SY STEMTIME	GetTime (long time, Boolean success)
static long	GetTime (TickerPlantDefines.SYSTEMTIME systemTime)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

(continued from last page)

DateTime

```
public DateTime()
```

Methods

GetTime

```
public static long GetTime(TickerPlantDefines.SYSTEMTIME systemTime)
```

GetTime

```
public static long GetTime(int hour,  
                           int minute,  
                           int second)
```

GetDate

```
public static long GetDate(TickerPlantDefines.SYSTEMTIME systemTime)
```

GetDate

```
public static long GetDate(int day,  
                           int month,  
                           int year)
```

GetDateTime

```
public static long GetDateTime(TickerPlantDefines.SYSTEMTIME systemTime)
```

GetTime

```
public static TickerPlantDefines.SYSTEMTIME GetTime(long time,  
Boolean success)
```

GetDate

```
public static TickerPlantDefines.SYSTEMTIME GetDate(long date,  
Boolean success)
```

(continued from last page)

GetDateTime

```
public static ATServerAPIDefines.SYSTEMTIME GetDateTime(UInt64 li)
```

GetDateTime

```
public static ATServerAPIDefines.SYSTEMTIME GetDateTime(long dateTime,  
    Boolean success)
```

at.shared.TickerPlant Class Price

java.lang.Object

└-at.shared.TickerPlant.Price

public class **Price**
extends Object

Constructor Summary

public	Price()
--------	-------------------------

Method Summary

static short	GetPrecision (double price)
static double	ToDouble (long price, short precision)
static double	ToDouble (TickerPlantDefines.PRICE price)
static long	ToInteger (double price)
static long	ToInteger (double price, short precision)
static TickerPlantDefines.PRICE	ToPrice (double price, byte precision)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Price

public **Price**()

Methods

GetPrecision

public static short **GetPrecision**(double price)

(continued from last page)

ToDouble

```
public static double ToDouble(long price,  
                                short precision)
```

ToDouble

```
public static double ToDouble(TickerPlantDefines.PRICE price)
```

ToInteger

```
public static long ToInteger(double price,  
                               short precision)
```

ToInteger

```
public static long ToInteger(double price)
```

ToPrice

```
public static TickerPlantDefines.PRICE ToPrice(double price,  
                                                  byte precision)
```

at.shared.TickerPlant Class Symbol

java.lang.Object

└-at.shared.TickerPlant.Symbol

public class **Symbol**
extends Object

Nested Class Summary

class	Symbol.ComponentType Symbol.ComponentType
-------	--

Field Summary

public	m_buffer
public	m_symbol

Constructor Summary

public	Symbol()
public	Symbol(TickerPlantDefines.SYMBOL symbol)
public	Symbol(String strSymbol)

Method Summary

String	FormatSymbol()
String	FormatSymbol(Symbol.ComponentType component)
String	FormatSymbolToKey()
String	FormatSymbolToKey(char[] buffer)
TickerPlantDefines.SYMBOL	GetSymbol()
void	LoadSymbolFromKey(char[] key)
static TickerPlantDefines.SymbolType	PrefixToSymbolType(char symbolPrefix)

static byte

[SymbolTypeToPrefix](#)([TickerPlantDefines.SymbolType](#) symbolType)**Methods inherited from class** java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_symbol

public at.shared.TickerPlant.TickerPlantDefines.SYMBOL **m_symbol**

m_buffer

public byte **m_buffer**

Constructors

Symbol

public **Symbol**()

Symbol

public **Symbol**([TickerPlantDefines.SYMBOL](#) symbol)

Symbol

public **Symbol**(String strSymbol)

Methods

GetSymbol

public [TickerPlantDefines.SYMBOL](#) **GetSymbol**()

FormatSymbol

public String **FormatSymbol**([Symbol.ComponentType](#) component)

FormatSymbol

```
public String FormatSymbol()
```

FormatSymbolToKey

```
public String FormatSymbolToKey()
```

FormatSymbolToKey

```
public String FormatSymbolToKey(char[] buffer)
```

LoadSymbolFromKey

```
public void LoadSymbolFromKey(char[] key)
```

SymbolTypeToPrefix

```
public static byte SymbolTypeToPrefix(TickerPlantDefines.SymbolType symbolType)
```

PrefixToSymbolType

```
public static TickerPlantDefines.SymbolType PrefixToSymbolType(char symbolPrefix)
```

at.shared.TickerPlant

Class Symbol.ComponentType

java.lang.Object

└─at.shared.TickerPlant.Symbol.ComponentType

public class **Symbol.ComponentType**
extends Object

Field Summary

public static final	Country Value: 8
public static final	Default Value: 7
public static final	Exchange Value: 4
public static final	Full Value: 15
public	m_componentType
public static final	SymbolBody Value: 2
public static final	Type Value: 1

Constructor Summary

public	Symbol.ComponentType (int componentType)
--------	--

Method Summary

int	GetComponentType ()
-----	-------------------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

Type

```
public static final int Type
```

Constant value: 1

SymbolBody

```
public static final int SymbolBody
```

Constant value: 2

Exchange

```
public static final int Exchange
```

Constant value: 4

Country

```
public static final int Country
```

Constant value: 8

Default

```
public static final int Default
```

Constant value: 7

Full

```
public static final int Full
```

Constant value: 15

m_componentType

```
public int m_componentType
```

Constructors

Symbol.ComponentType

```
public Symbol.ComponentType(int componentType)
```

Methods

(continued from last page)

GetComponentType

```
public int GetComponentType()
```

at.shared.TickerPlant

Class TickerPlantDefines

java.lang.Object

└-at.shared.TickerPlant.TickerPlantDefines

public class TickerPlantDefines
extends Object

Nested Class Summary

class	TickerPlantDefines.CountryType TickerPlantDefines.CountryType
class	TickerPlantDefines.ExchangeType TickerPlantDefines.ExchangeType
class	TickerPlantDefines.FeedType TickerPlantDefines.FeedType
class	TickerPlantDefines.MarketConditionType TickerPlantDefines.MarketConditionType
class	TickerPlantDefines.PACKET_HEADER TickerPlantDefines.PACKET_HEADER
class	TickerPlantDefines.PRICE TickerPlantDefines.PRICE
class	TickerPlantDefines.QuoteConditionType TickerPlantDefines.QuoteConditionType
class	TickerPlantDefines.SYMBOL TickerPlantDefines.SYMBOL
class	TickerPlantDefines.SymbolType TickerPlantDefines.SymbolType
class	TickerPlantDefines.SYSTEMTIME TickerPlantDefines.SYSTEMTIME
class	TickerPlantDefines.TradeConditionType TickerPlantDefines.TradeConditionType

Field Summary

public static final	ExchangeTypeCount Value: 22
public static final	SymbolMaxLength Value: 11

public static	USEquityExchangeType
---------------	--------------------------------------

Constructor Summary

public	TickerPlantDefines()
--------	--------------------------------------

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

SymbolMaxLength

```
public static final int SymbolMaxLength
```

Constant value: 11

ExchangeTypeCount

```
public static final int ExchangeTypeCount
```

Constant value: 22

USEquityExchangeType

```
public static char USEquityExchangeType
```

Constructors

TickerPlantDefines

```
public TickerPlantDefines()
```

at.shared.TickerPlant

Class TickerPlantDefines.SymbolType

java.lang.Object

└--at.shared.TickerPlant.TickerPlantDefines.SymbolType

public class TickerPlantDefines.SymbolType
extends Object

Field Summary

public static final	Bond Value: 66
public static final	Currency Value: 67
public static final	Index Value: 73
public	m_SymbolType
public static final	MutualFund Value: 77
public static final	Stock Value: 83
public static final	StockOption Value: 48
public static final	TopMarketMovers Value: 84

Constructor Summary

public	TickerPlantDefines.SymbolType (byte symbolType)
--------	---

Method Summary

byte	GetSymbolType ()
void	SetSymbolType (byte symbolType)

Methods inherited from class java.lang.Object


```
clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait
```

Fields

Stock

```
public static final byte Stock
```

Constant value: 83

Index

```
public static final byte Index
```

Constant value: 73

StockOption

```
public static final byte StockOption
```

Constant value: 48

Bond

```
public static final byte Bond
```

Constant value: 66

MutualFund

```
public static final byte MutualFund
```

Constant value: 77

TopMarketMovers

```
public static final byte TopMarketMovers
```

Constant value: 84

Currency

```
public static final byte Currency
```

Constant value: 67

(continued from last page)

m_SymbolType

```
public byte m_SymbolType
```

Constructors

TickerPlantDefines.SymbolType

```
public TickerPlantDefines.SymbolType(byte symbolType)
```

Methods

GetSymbolType

```
public byte GetSymbolType()
```

SetSymbolType

```
public void SetSymbolType(byte symbolType)
```

at.shared.TickerPlant

Class TickerPlantDefines.ExchangeType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.ExchangeType

public class TickerPlantDefines.ExchangeType
extends Object

Field Summary

public static final	AMEX Value: 65
public static final	BatsExchange Value: 90
public static final	BatsYExchange Value: 89
public static final	ChicagoBoardOptionsExchange Value: 87
public static final	ChicagoStockExchange Value: 77
public static final	Composite Value: 32
public static final	CQS Value: 69
public static final	CTANasdaqOMX Value: 84
public static final	CTS Value: 83
public static final	EdgaExchange Value: 74
public static final	EdgxExchange Value: 75
public static final	FinraAdf Value: 68

public static final	Forex Value: 70
public static final	InternationalSecuritiesExchange Value: 73
public static final	NasdaqOmx Value: 81
public static final	NasdaqOmxBx Value: 66
public static final	NasdaqOmxPhlx Value: 88
public static final	NationalStockExchange Value: 67
public static final	NNOTC Value: 117
public static final	NyseArcaExchange Value: 80
public static final	NyseEuronext Value: 78
public static final	OTCBB Value: 85

Constructor Summary

public	TickerPlantDefines.ExchangeType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

AMEX

public static final char **AMEX**

Constant value: 65

(continued from last page)

NasdaqOmxBx

```
public static final char NasdaqOmxBx
```

Constant value: 66

NationalStockExchange

```
public static final char NationalStockExchange
```

Constant value: 67

FinraAdf

```
public static final char FinraAdf
```

Constant value: 68

CQS

```
public static final char CQS
```

Constant value: 69

Forex

```
public static final char Forex
```

Constant value: 70

InternationalSecuritiesExchange

```
public static final char InternationalSecuritiesExchange
```

Constant value: 73

EdgaExchange

```
public static final char EdgaExchange
```

Constant value: 74

EdgxExchange

```
public static final char EdgxExchange
```

Constant value: 75

ChicagoStockExchange

```
public static final char ChicagoStockExchange
```

(continued from last page)

Constant value: 77

NyseEuronext

```
public static final char NyseEuronext
```

Constant value: 78

NyseArcaExchange

```
public static final char NyseArcaExchange
```

Constant value: 80

NasdaqOmx

```
public static final char NasdaqOmx
```

Constant value: 81

CTS

```
public static final char CTS
```

Constant value: 83

CTANasdaqOMX

```
public static final char CTANasdaqOMX
```

Constant value: 84

OTCBB

```
public static final char OTCBB
```

Constant value: 85

NNOTC

```
public static final char NNOTC
```

Constant value: 117

ChicagoBoardOptionsExchange

```
public static final char ChicagoBoardOptionsExchange
```

Constant value: 87

NasdaqOmxPhlx

```
public static final char NasdaqOmxPhlx
```

Constant value: 88

BatsYExchange

```
public static final char BatsYExchange
```

Constant value: 89

BatsExchange

```
public static final char BatsExchange
```

Constant value: 90

Composite

```
public static final char Composite
```

Constant value: 32

Constructors

TickerPlantDefines.ExchangeType

```
public TickerPlantDefines.ExchangeType()
```

at.shared.TickerPlant

Class TickerPlantDefines.CountryType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.CountryType

public class TickerPlantDefines.CountryType
extends Object

Field Summary

public static final	International Value: 73
public static final	UnitedStates Value: 85

Constructor Summary

public	TickerPlantDefines.CountryType()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

International

public static final char **International**

Constant value: 73

UnitedStates

public static final char **UnitedStates**

Constant value: 85

Constructors

TickerPlantDefines.CountryType

public **TickerPlantDefines.CountryType()**

at.shared.TickerPlant

Class TickerPlantDefines.TradeConditionType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.TradeConditionType

public class TickerPlantDefines.TradeConditionType
extends Object

Field Summary

public static final	AcquisitionTrade Value: 1
public static final	AutomaticExecutionTrade Value: 3
public static final	AveragePriceTrade Value: 2
public static final	BunchedTrade Value: 4
public static final	BunchSoldTrade Value: 5
public static final	CAPElectionTrade Value: 6
public static final	CashTrade Value: 7
public static final	ClosingTrade Value: 8
public static final	CrossTrade Value: 9
public static final	DerivativelyPricedTrade Value: 10
public static final	DistributionTrade Value: 11
public static final	FormTOutOfSequenceTrade Value: 13

public static final	FormTTrade Value: 12
public static final	InterMarketSweepTrade Value: 14
public static final	MarketCenterClosingTrade Value: 19
public static final	MarketCenterOfficialCloseTrade Value: 15
public static final	MarketCenterOfficialOpenTrade Value: 16
public static final	MarketCenterOpeningTrade Value: 17
public static final	MarketCenterReOpenningTrade Value: 18
public static final	NextDayTrade Value: 20
public static final	OpenedTrade Value: 26
public static final	OpeningTrade Value: 25
public static final	PriceVariationTrade Value: 21
public static final	PriorReferencePriceTrade Value: 22
public static final	RegularStoppedStockTrade Value: 27
public static final	RegularTrade Value: 0
public static final	ReOpeningTrade Value: 28
public static final	Rule127NyseTrade Value: 24

public static final	Rule155AmexTrade Value: 23
public static final	SellerTrade Value: 29
public static final	SoldLastStoppedStockTrade Value: 31
public static final	SoldLastTrade Value: 30
public static final	SoldOutOfSequenceStoppedStockTrade Value: 33
public static final	SoldOutOfSequenceTrade Value: 32
public static final	SplitTrade Value: 34
public static final	StockOptionTrade Value: 35
public static final	YellowFlagTrade Value: 36

Constructor Summary

public	TickerPlantDefines.TradeConditionType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

RegularTrade

public static final int **RegularTrade**

Constant value: 0

AcquisitionTrade

public static final int **AcquisitionTrade**

(continued from last page)

Constant value: 1

AveragePriceTrade

```
public static final int AveragePriceTrade
```

Constant value: 2

AutomaticExecutionTrade

```
public static final int AutomaticExecutionTrade
```

Constant value: 3

BunchedTrade

```
public static final int BunchedTrade
```

Constant value: 4

BunchSoldTrade

```
public static final int BunchSoldTrade
```

Constant value: 5

CAPElectionTrade

```
public static final int CAPElectionTrade
```

Constant value: 6

CashTrade

```
public static final int CashTrade
```

Constant value: 7

ClosingTrade

```
public static final int ClosingTrade
```

Constant value: 8

CrossTrade

```
public static final int CrossTrade
```

Constant value: 9

(continued from last page)

DerivativelyPricedTrade

```
public static final int DerivativelyPricedTrade
```

Constant value: 10

DistributionTrade

```
public static final int DistributionTrade
```

Constant value: 11

FormTTrade

```
public static final int FormTTrade
```

Constant value: 12

FormTOutOfSequenceTrade

```
public static final int FormTOutOfSequenceTrade
```

Constant value: 13

InterMarketSweepTrade

```
public static final int InterMarketSweepTrade
```

Constant value: 14

MarketCenterOfficialCloseTrade

```
public static final int MarketCenterOfficialCloseTrade
```

Constant value: 15

MarketCenterOfficialOpenTrade

```
public static final int MarketCenterOfficialOpenTrade
```

Constant value: 16

MarketCenterOpeningTrade

```
public static final int MarketCenterOpeningTrade
```

Constant value: 17

MarketCenterReOpeningTrade

```
public static final int MarketCenterReOpeningTrade
```

(continued from last page)

Constant value: 18

MarketCenterClosingTrade

public static final int **MarketCenterClosingTrade**

Constant value: 19

NextDayTrade

public static final int **NextDayTrade**

Constant value: 20

PriceVariationTrade

public static final int **PriceVariationTrade**

Constant value: 21

PriorReferencePriceTrade

public static final int **PriorReferencePriceTrade**

Constant value: 22

Rule155AmexTrade

public static final int **Rule155AmexTrade**

Constant value: 23

Rule127NyseTrade

public static final int **Rule127NyseTrade**

Constant value: 24

OpeningTrade

public static final int **OpeningTrade**

Constant value: 25

OpenedTrade

public static final int **OpenedTrade**

Constant value: 26

RegularStoppedStockTrade

public static final int **RegularStoppedStockTrade**

Constant value: 27

ReOpeningTrade

public static final int **ReOpeningTrade**

Constant value: 28

SellerTrade

public static final int **SellerTrade**

Constant value: 29

SoldLastTrade

public static final int **SoldLastTrade**

Constant value: 30

SoldLastStoppedStockTrade

public static final int **SoldLastStoppedStockTrade**

Constant value: 31

SoldOutOfSequenceTrade

public static final int **SoldOutOfSequenceTrade**

Constant value: 32

SoldOutOfSequenceStoppedStockTrade

public static final int **SoldOutOfSequenceStoppedStockTrade**

Constant value: 33

SplitTrade

public static final int **SplitTrade**

Constant value: 34

(continued from last page)

StockOptionTrade

```
public static final int StockOptionTrade
```

Constant value: 35

YellowFlagTrade

```
public static final int YellowFlagTrade
```

Constant value: 36

Constructors

TickerPlantDefines.TradeConditionType

```
public TickerPlantDefines.TradeConditionType()
```


at.shared.TickerPlant

Class TickerPlantDefines.QuoteConditionType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.QuoteConditionType

public class TickerPlantDefines.QuoteConditionType
extends Object

Field Summary

public static final	AdditionalInformationDueToRelatedSecurityQuote Value: 28
public static final	AdditionalInformationQuote Value: 26
public static final	AutomatedBidNoOfferNoBid Value: 35
public static final	ClosedQuote Value: 15
public static final	ClosingQuote Value: 14
public static final	DueToRelatedSecurityNewsDisseminationQuote Value: 24
public static final	DueToRelatedSecurityNewsPendingQuote Value: 25
public static final	DueToRelatedSecurityQuote Value: 29
public static final	EquipmentChangeoverQuote Value: 31
public static final	FastTradingQuote Value: 17
public static final	InViewOfCommonQuote Value: 30
public static final	ManualAskAutomaticBidQuote Value: 10

public static final	ManualBidAndAskQuote Value: 12
public static final	ManualBidAutomaticAskQuote Value: 11
public static final	MarketMakerQuotesClosedQuote Value: 19
public static final	NewsDisseminationQuote Value: 21
public static final	NewsPendingQuote Value: 27
public static final	NonFirmQuote Value: 20
public static final	NoOpenNoResumeQuote Value: 33
public static final	OpeningQuote Value: 13
public static final	OrderImbalanceQuote Value: 23
public static final	OrderInfluxQuote Value: 22
public static final	RegularOneSidedOpenQuote Value: 2
public static final	RegularQuote Value: 0
public static final	RegularTwoSidedOpenQuote Value: 1
public static final	ResumeQuote Value: 16
public static final	SlowAskQuote Value: 3
public static final	SlowBidAskQuote Value: 5

public static final	SlowBidQuote Value: 4
public static final	SlowDueLRPAskQuote Value: 7
public static final	SlowDueLRPBidQuote Value: 6
public static final	SlowDueNYSELRPQuote Value: 8
public static final	SlowDueSetSlowListBidAskQuote Value: 9
public static final	SubPennyTradingQuote Value: 34
public static final	TradingRangeIndicationQuote Value: 18

Constructor Summary

public	TickerPlantDefines.QuoteConditionType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

RegularQuote

public static final int **RegularQuote**

Constant value: 0

RegularTwoSidedOpenQuote

public static final int **RegularTwoSidedOpenQuote**

Constant value: 1

RegularOneSidedOpenQuote

public static final int **RegularOneSidedOpenQuote**

(continued from last page)

Constant value: 2

SlowAskQuote

```
public static final int SlowAskQuote
```

Constant value: 3

SlowBidQuote

```
public static final int SlowBidQuote
```

Constant value: 4

SlowBidAskQuote

```
public static final int SlowBidAskQuote
```

Constant value: 5

SlowDueLRPBidQuote

```
public static final int SlowDueLRPBidQuote
```

Constant value: 6

SlowDueLRPAskQuote

```
public static final int SlowDueLRPAskQuote
```

Constant value: 7

SlowDueNYSELRPQuote

```
public static final int SlowDueNYSELRPQuote
```

Constant value: 8

SlowDueSetSlowListBidAskQuote

```
public static final int SlowDueSetSlowListBidAskQuote
```

Constant value: 9

ManualAskAutomaticBidQuote

```
public static final int ManualAskAutomaticBidQuote
```

Constant value: 10

(continued from last page)

ManualBidAutomaticAskQuote

```
public static final int ManualBidAutomaticAskQuote
```

Constant value: 11

ManualBidAndAskQuote

```
public static final int ManualBidAndAskQuote
```

Constant value: 12

OpeningQuote

```
public static final int OpeningQuote
```

Constant value: 13

ClosingQuote

```
public static final int ClosingQuote
```

Constant value: 14

ClosedQuote

```
public static final int ClosedQuote
```

Constant value: 15

ResumeQuote

```
public static final int ResumeQuote
```

Constant value: 16

FastTradingQuote

```
public static final int FastTradingQuote
```

Constant value: 17

TradingRangeIndicationQuote

```
public static final int TradingRangeIndicationQuote
```

Constant value: 18

MarketMakerQuotesClosedQuote

```
public static final int MarketMakerQuotesClosedQuote
```

(continued from last page)

Constant value: 19

NonFirmQuote

public static final int **NonFirmQuote**

Constant value: 20

NewsDisseminationQuote

public static final int **NewsDisseminationQuote**

Constant value: 21

OrderInfluxQuote

public static final int **OrderInfluxQuote**

Constant value: 22

OrderImbalanceQuote

public static final int **OrderImbalanceQuote**

Constant value: 23

DueToRelatedSecurityNewsDisseminationQuote

public static final int **DueToRelatedSecurityNewsDisseminationQuote**

Constant value: 24

DueToRelatedSecurityNewsPendingQuote

public static final int **DueToRelatedSecurityNewsPendingQuote**

Constant value: 25

AdditionalInformationQuote

public static final int **AdditionalInformationQuote**

Constant value: 26

NewsPendingQuote

public static final int **NewsPendingQuote**

Constant value: 27

AdditionalInformationDueToRelatedSecurityQuote

```
public static final int AdditionalInformationDueToRelatedSecurityQuote
```

Constant value: 28

DueToRelatedSecurityQuote

```
public static final int DueToRelatedSecurityQuote
```

Constant value: 29

InViewOfCommonQuote

```
public static final int InViewOfCommonQuote
```

Constant value: 30

EquipmentChangeoverQuote

```
public static final int EquipmentChangeoverQuote
```

Constant value: 31

NoOpenNoResumeQuote

```
public static final int NoOpenNoResumeQuote
```

Constant value: 33

SubPennyTradingQuote

```
public static final int SubPennyTradingQuote
```

Constant value: 34

AutomatedBidNoOfferNoBid

```
public static final int AutomatedBidNoOfferNoBid
```

Constant value: 35

Constructors

TickerPlantDefines.QuoteConditionType

```
public TickerPlantDefines.QuoteConditionType()
```

at.shared.TickerPlant

Class TickerPlantDefines.MarketConditionType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.MarketConditionType

public class TickerPlantDefines.MarketConditionType
extends Object

Field Summary

public static final	EndFastMarket Value: 4
public static final	EndLateMarket Value: 7
public static final	EndPostSuspension Value: 9
public static final	FastMarket Value: 5
public static final	LateMarket Value: 6
public static final	NoOpenNoResume Value: 11
public static final	OpeningDelay Value: 10
public static final	PostSuspension Value: 8
public static final	QuotationResumption Value: 3
public static final	RegularCondition Value: 0
public static final	TradingHalt Value: 1
public static final	TradingResumption Value: 2

Constructor Summary

public	TickerPlantDefines.MarketConditionType()
--------	--

Methods inherited from class `java.lang.Object`

`clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait`

Fields

RegularCondition

`public static final int RegularCondition`

Constant value: 0

TradingHalt

`public static final int TradingHalt`

Constant value: 1

TradingResumption

`public static final int TradingResumption`

Constant value: 2

QuotationResumption

`public static final int QuotationResumption`

Constant value: 3

EndFastMarket

`public static final int EndFastMarket`

Constant value: 4

FastMarket

`public static final int FastMarket`

Constant value: 5

(continued from last page)

LateMarket

```
public static final int LateMarket
```

Constant value: 6

EndLateMarket

```
public static final int EndLateMarket
```

Constant value: 7

PostSuspension

```
public static final int PostSuspension
```

Constant value: 8

EndPostSuspension

```
public static final int EndPostSuspension
```

Constant value: 9

OpeningDelay

```
public static final int OpeningDelay
```

Constant value: 10

NoOpenNoResume

```
public static final int NoOpenNoResume
```

Constant value: 11

Constructors

TickerPlantDefines.MarketConditionType

```
public TickerPlantDefines.MarketConditionType()
```

at.shared.TickerPlant

Class TickerPlantDefines.FeedType

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.FeedType

public class TickerPlantDefines.FeedType
extends Object

Field Summary

public static final	FeedType_count Value: 7
public static final	FeedTypeBBDS Value: 4
public static final	FeedTypeCQS Value: 1
public static final	FeedTypeCTS Value: 0
public static final	FeedTypeFXCM Value: 6
public static final	FeedTypeTDDS Value: 5
public static final	FeedTypeUQDF Value: 3
public static final	FeedTypeUTDF Value: 2

Constructor Summary

public	TickerPlantDefines.FeedType()
--------	---

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

FeedTypeCTS

public static final int **FeedTypeCTS**

Constant value: 0

FeedTypeCQS

public static final int **FeedTypeCQS**

Constant value: 1

FeedTypeUTDF

public static final int **FeedTypeUTDF**

Constant value: 2

FeedTypeUQDF

public static final int **FeedTypeUQDF**

Constant value: 3

FeedTypeBBDS

public static final int **FeedTypeBBDS**

Constant value: 4

FeedTypeTDDS

public static final int **FeedTypeTDDS**

Constant value: 5

FeedTypeFXCM

public static final int **FeedTypeFXCM**

Constant value: 6

FeedType_count

public static final int **FeedType_count**

Constant value: 7

Constructors

(continued from last page)

TickerPlantDefines.FeedType

```
public TickerPlantDefines.FeedType( )
```

at.shared.TickerPlant

Class TickerPlantDefines.PACKET_HEADER

java.lang.Object

↳ at.shared.TickerPlant.TickerPlantDefines.PACKET_HEADER

public class TickerPlantDefines.PACKET_HEADER
extends Object

Field Summary

public	countryType
public	packetId
public	packetSize

Constructor Summary

public	TickerPlantDefines.PACKET_HEADER()
--------	--

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

packetId

public long **packetId**

packetSize

public long **packetSize**

countryType

public byte **countryType**

Constructors

(continued from last page)

TickerPlantDefines.PACKET_HEADER

```
public TickerPlantDefines.PACKET_HEADER( )
```

at.shared.TickerPlant

Class TickerPlantDefines.SYMBOL

java.lang.Object

└─at.shared.TickerPlant.TickerPlantDefines.SYMBOL

public class TickerPlantDefines.SYMBOL
extends Object

Field Summary

public	countryType
public	exchangeType
public	symbol
public	symbolType

Constructor Summary

public	TickerPlantDefines.SYMBOL()
--------	---

Method Summary

byte[]	getBytes()
int	getSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

symbol

public byte **symbol**

symbolType

public byte **symbolType**

exchangeType

public byte **exchangeType**

countryType

public byte **countryType**

Constructors

TickerPlantDefines.SYMBOL

public **TickerPlantDefines.SYMBOL()**

Methods

getSize

public int **getSize()**

getBytes

public byte[] **getBytes()**

at.shared.TickerPlant

Class TickerPlantDefines.PRICE

java.lang.Object

└─at.shared.TickerPlant.TickerPlantDefines.PRICE

public class TickerPlantDefines.PRICE
extends Object

Field Summary

public	precision
public	price

Constructor Summary

public	TickerPlantDefines.PRICE()
public	TickerPlantDefines.PRICE (int price, byte precision)

Method Summary

byte[]	getBytes()
--------	----------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

price

public int **price**

precision

public byte **precision**

Constructors

(continued from last page)

TickerPlantDefines.PRICE

```
public TickerPlantDefines.PRICE()
```

TickerPlantDefines.PRICE

```
public TickerPlantDefines.PRICE(int price,  
                                byte precision)
```

Methods

getBytes

```
public byte[] getBytes()
```

at.shared.TickerPlant

Class TickerPlantDefines.SYSTEMTIME

java.lang.Object

└-at.shared.TickerPlant.TickerPlantDefines.SYSTEMTIME

public class TickerPlantDefines.SYSTEMTIME
extends Object

Field Summary

public	day
public	DayOfWeek
public	hour
public	milliseconds
public	minute
public	month
public	second
public	year

Constructor Summary

public	TickerPlantDefines.SYSTEMTIME()
--------	---

Method Summary

byte[]	getBytes()
int	GetSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

year

public short **year**

month

public short **month**

DayOfWeek

public short **DayOfWeek**

day

public short **day**

hour

public short **hour**

minute

public short **minute**

second

public short **second**

milliseconds

public short **milliseconds**

Constructors

TickerPlantDefines.SYSTEMTIME

public **TickerPlantDefines.SYSTEMTIME**()

Methods

(continued from last page)

GetSize

```
public int GetSize()
```

getBytes

```
public byte[] getBytes()
```

at.shared.TickerPlant

Class UInt64

java.lang.Object

└─at.shared.TickerPlant.UInt64

public class **UInt64**
extends Object

Field Summary

public	m_highPart
public	m_lowPart

Constructor Summary

public	UInt64 (byte[] largeBytes)
public	UInt64 (long number)

Method Summary

void	GetHighPart (byte[] highPart)
void	GetLowPart (byte[] lowPart)
void	SetHighPart (byte[] highPart)
void	SetLowPart (byte[] lowPart)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

m_highPart

public byte **m_highPart**

(continued from last page)

m_lowPart

```
public byte m_lowPart
```

Constructors

UInt64

```
public UInt64(byte[] largeBytes)
```

UInt64

```
public UInt64(long number)
```

Methods

SetHighPart

```
public void SetHighPart(byte[] highPart)
```

SetLowPart

```
public void SetLowPart(byte[] lowPart)
```

GetHighPart

```
public void GetHighPart(byte[] highPart)
```

GetLowPart

```
public void GetLowPart(byte[] lowPart)
```

Package
at.utils.jlib

at.utils.jlib

Class BlowFisher

java.lang.Object

└─at.utils.jlib.BlowFisher

public class **BlowFisher**
extends Object

Field Summary

public static	BLOWFISH_BLOCKSIZE
public static	BLOWFISH_KEYSIZE

Constructor Summary

public	BlowFisher()
--------	------------------------------

Method Summary

static boolean	Decrypt (byte[] inBytes, int inOffset, int inLength, MemBuffer outBuffer, byte[] key_bytes)
static boolean	Decrypt (byte[] inBytes, int inOffset, int inLength, MemBuffer outBuffer, byte[] key_bytes, boolean bFixed)
static boolean	Encrypt (byte[] inBytes, int inOffset, int inLength, MemBuffer outBuffer, byte[] key_bytes)
static boolean	Encrypt (byte[] inBytes, int inOffset, int inLength, MemBuffer outBuffer, byte[] key_bytes, boolean bFixed)
static int	ExtractOriginalDataSize (byte[] bytes, int offset)
static byte[]	IntToBytes (int n)
static int	PadAndPrepareData (byte[] inBytes, MemBuffer buffer)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

(continued from last page)

BLOWFISH_BLOCKSIZE

```
public static int BLOWFISH_BLOCKSIZE
```

BLOWFISH_KEYSIZE

```
public static int BLOWFISH_KEYSIZE
```

Constructors

BlowFisher

```
public BlowFisher()
```

Methods

Encrypt

```
public static boolean Encrypt(byte[] inBytes,  
    int inOffset,  
    int inLength,  
    MemBuffer outBuffer,  
    byte[] key_bytes,  
    boolean bFixed)
```

Decrypt

```
public static boolean Decrypt(byte[] inBytes,  
    int inOffset,  
    int inLength,  
    MemBuffer outBuffer,  
    byte[] key_bytes,  
    boolean bFixed)
```

Encrypt

```
public static boolean Encrypt(byte[] inBytes,  
    int inOffset,  
    int inLength,  
    MemBuffer outBuffer,  
    byte[] key_bytes)
```

(continued from last page)

Decrypt

```
public static boolean Decrypt(byte[] inBytes,  
    int inOffset,  
    int inLength,  
    MemBuffer outBuffer,  
    byte[] key_bytes)
```

IntToBytes

```
public static byte[] IntToBytes(int n)
```

PadAndPrepareData

```
public static int PadAndPrepareData(byte[] inBytes,  
    MemBuffer buffer)
```

ExtractOriginalDataSize

```
public static int ExtractOriginalDataSize(byte[] bytes,  
    int offset)
```

at.utils.jlib Class EndianHandler

java.lang.Object

└─at.utils.jlib.EndianHandler

public class **EndianHandler**
extends Object

Constructor Summary

public	EndianHandler()
--------	---------------------------------

Method Summary

static int	readIntLittleEndian (byte[] bytes)
static long	readLongLittleEndian (byte[] bytes)
static short	readShortLittleEndian (byte[] bytes)

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

EndianHandler

public **EndianHandler**()

Methods

readShortLittleEndian

public static short **readShortLittleEndian**(byte[] bytes)

readIntLittleEndian

public static int **readIntLittleEndian**(byte[] bytes)

readLongLittleEndian

```
public static long readLongLittleEndian(byte[] bytes)
```

at.utils.jlib Class Errors

java.lang.Object

└─at.utils.jlib.Errors

public class **Errors**
extends Object

Field Summary

public static final	ERROR_ALREADY_INITIALIZED Value: -1247
public static final	ERROR_BUFFER_OVERFLOW Value: -111
public static final	ERROR_INVALID_STATE Value: -5023
public static final	ERROR_NOT_CONNECTED Value: -2250
public static final	ERROR_NOT_FOUND Value: -1168
public static final	ERROR_NOT_SOCKET Value: -10038
public static final	ERROR_SUCCESS Value: 0
public static final	ERROR_UNKNOWN Value: -999999
public static final	FALSE Value: 1
public static final	TRUE Value: 0

Constructor Summary

protected	Errors ()
-----------	---------------------------

Method Summary

static Errors	getInstance()
static String	GetStringFromError (int errorCode)

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Fields

TRUE

```
public static final int TRUE
```

Constant value: 0

FALSE

```
public static final int FALSE
```

Constant value: 1

ERROR_SUCCESS

```
public static final int ERROR_SUCCESS
```

Constant value: 0

ERROR_NOT_FOUND

```
public static final int ERROR_NOT_FOUND
```

Constant value: -1168

ERROR_INVALID_STATE

```
public static final int ERROR_INVALID_STATE
```

Constant value: -5023

ERROR_ALREADY_INITIALIZED

```
public static final int ERROR_ALREADY_INITIALIZED
```

Constant value: -1247

(continued from last page)

ERROR_NOT_SOCKET

```
public static final int ERROR_NOT_SOCKET
```

Constant value: -10038

ERROR_NOT_CONNECTED

```
public static final int ERROR_NOT_CONNECTED
```

Constant value: -2250

ERROR_BUFFER_OVERFLOW

```
public static final int ERROR_BUFFER_OVERFLOW
```

Constant value: -111

ERROR_UNKNOWN

```
public static final int ERROR_UNKNOWN
```

Constant value: -999999

Constructors

Errors

```
protected Errors()
```

Methods

getInstance

```
public static Errors getInstance()
```

GetStringFromError

```
public static String GetStringFromError(int errorCode)
```

at.utils.jlib Class Guid

java.lang.Object
└─at.utils.jlib.Guid

public class **Guid**
extends Object

Constructor Summary

public	Guid()
--------	------------------------

Method Summary

void	SetGuid()
void	SetGuid(String strGuid)
String	ToString()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Guid

public **Guid**()

Methods

SetGuid

public void **SetGuid**(String strGuid)

SetGuid

public void **SetGuid**()

ToString

```
public String ToString()
```

at.utils.jlib

Class MemBuffer

java.lang.Object

└─at.utils.jlib.MemBuffer

public class **MemBuffer**
extends Object

Field Summary

public static final	DEFAULT_SIZE Value: 1000
---------------------	---

Constructor Summary

public	MemBuffer()
public	MemBuffer(int size)

Method Summary

void	Clear()
byte[]	GetActualBytesCopy()
int	GetActualBytesSize()
java.nio.ByteBuffer	GetBuffer()
java.nio.ByteBuffer	GetBuffer(boolean bClear)
java.nio.ByteBuffer	GetBuffer(int size)
java.nio.ByteBuffer	GetBuffer(int size, boolean bClear)
byte[]	GetByteArray()
long	GetLength()
long	GetSize()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Fields

DEFAULT_SIZE

```
public static final int DEFAULT_SIZE
```

Constant value: 1000

Constructors

MemBuffer

```
public MemBuffer()
```

MemBuffer

```
public MemBuffer(int size)
```

Methods

GetBuffer

```
public java.nio.ByteBuffer GetBuffer()
```

GetBuffer

```
public java.nio.ByteBuffer GetBuffer(boolean bClear)
```

GetBuffer

```
public java.nio.ByteBuffer GetBuffer(int size)
```

GetBuffer

```
public java.nio.ByteBuffer GetBuffer(int size,  
    boolean bClear)
```

GetByteArray

```
public byte[] GetByteArray()
```

GetActualBytesCopy

```
public byte[] GetActualBytesCopy()
```

GetActualBytesSize

```
public int GetActualBytesSize()
```

GetLength

```
public long GetLength()
```

GetSize

```
public long GetSize()
```

Clear

```
public void Clear()
```

at.utils.jlib Class PrintfFormat

java.lang.Object

└─at.utils.jlib.PrintfFormat

public class **PrintfFormat**
extends Object

PrintfFormat allows the formatting of an array of objects embedded within a string. Primitive types must be passed using wrapper types. The formatting is controlled by a control string.

A control string is a Java string that contains a control specification. The control specification starts at the first percent sign (%) in the string, provided that this percent sign

1. is not escaped protected by a matching % or is not an escape % character,
2. is not at the end of the format string, and
3. precedes a sequence of characters that parses as a valid control specification.

A control specification usually takes the form:

```
% ['-+ #0]* [0..9]* { . [0..9]* }+
    { [hlL] }+ [idfgGoxXeEcs]
```

There are variants of this basic form that are discussed below.

The format is composed of zero or more directives defined as follows:

- ordinary characters, which are simply copied to the output stream;
- escape sequences, which represent non-graphic characters; and
- conversion specifications, each of which results in the fetching of zero or more arguments.

The results are undefined if there are insufficient arguments for the format. Usually an unchecked exception will be thrown. If the format is exhausted while arguments remain, the excess arguments are evaluated but are otherwise ignored. In format strings containing the % form of conversion specifications, each argument in the argument list is used exactly once.

Conversions can be applied to the *n*th argument after the format in the argument list, rather than to the next unused argument. In this case, the conversion character % is replaced by the sequence %*n*\$, where *n* is a decimal integer giving the position of the argument in the argument list.

In format strings containing the %*n*\$ form of conversion specifications, each argument in the argument list is used exactly once.

Escape Sequences

The following table lists escape sequences and associated actions on display devices capable of the action.

Sequence	Name	Description
\\	backlash	None.
\a	alert	Attempts to alert the user through audible or visible notification.

Sequence	Name	Description
<code>\b</code>	backspace	Moves the printing position to one column before the current position, unless the current position is the start of a line.
<code>\f</code>	form-feed	Moves the printing position to the initial printing position of the next logical page.
<code>\n</code>	newline	Moves the printing position to the start of the next line.
<code>\r</code>	carriage-return	Moves the printing position to the start of the current line.
<code>\t</code>	tab	Moves the printing position to the next implementation- defined horizontal tab position.
<code>\v</code>	vertical-tab	Moves the printing position to the start of the next implementation- defined vertical tab position.

Conversion Specifications

Each conversion specification is introduced by the percent sign character (%). After the character %, the following appear in sequence:

Zero or more flags (in any order), which modify the meaning of the conversion specification.

An optional minimum field width. If the converted value has fewer characters than the field width, it will be padded with spaces by default on the left; t will be padded on the right, if the left- adjustment flag (-), described below, is given to the field width. The field width takes the form of a decimal integer. If the conversion character is s, the field width is the the minimum number of characters to be printed.

An optional precision that gives the minumum number of digits to appear for the d, i, o, x or X conversions (the field is padded with leading zeros); the number of digits to appear after the radix character for the e, E, and f conversions, the maximum number of significant digits for the g and G conversions; or the maximum number of characters to be written from a string is s and S conversions. The precision takes the form of an optional decimal digit string, where a null digit string is treated as 0. If a precision appears with a c conversion character the precision is ignored.

An optional h specifies that a following d, i, o, x, or X conversion character applies to a type short argument (the argument will be promoted according to the integral promotions and its value converted to type short before printing).

An optional l (ell) specifies that a following d, i, o, x, or X conversion character applies to a type long argument.

A field width or precision may be indicated by an asterisk (*) instead of a digit string. In this case, an integer argument supplised the field width precision. The argument that is actually converted is not fetched until the conversion letter is seen, so the the arguments specifying field width or precision must appear before the argument (if any) to be converted. If the precision argument is negative, it will be changed to zero. A negative field width argument is taken as a - flag, followed by a positive field width.

In format strings containing the %n\$ form of a conversion specification, a field width or precision may be indicated by the sequence *m\$, where m is a decimal integer giving the position in the argument list (after the format argument) of an integer argument containing the field width or precision.

The format can contain either numbered argument specifications (that is, %n\$ and *m\$), or unnumbered argument specifications (that is % and *), but normally not both. The only exception to this is that %% can be mixed with the %n\$ form. The results of mixing numbered and unnumbered argument specifications in a format string are undefined.

Flag Characters

The flags and their meanings are:

- ' integer portion of the result of a decimal conversion (%i, %d, %f, %g, or %G) will be formatted with thousands' grouping characters. For other conversions the flag is ignored. The non-monetary grouping character is used.
- result of the conversion is left-justified within the field. (It will be right-justified if this flag is not specified).
- + result of a signed conversion always begins with a sign (+ or -). (It will begin with a sign only when a negative value is converted if this flag is not specified.)
- <space> If the first character of a signed conversion is not a sign, a space character will be placed before the result. This means that if the space character and + flags both appear, the space flag will be ignored.
- # value is to be converted to an alternative form. For c, d, i, and s conversions, the flag has no effect. For o conversion, it increases the precision to force the first digit of the result to be a zero. For x or X conversion, a non-zero result has 0x or 0X prefixed to it, respectively. For e, E, f, g, and G conversions, the result always contains a radix character, even if no digits follow the radix character (normally, a decimal point appears in the result of these conversions only if a digit follows it). For g and G conversions, trailing zeros will not be removed from the result as they normally are.
- 0 d, i, o, x, X, e, E, f, g, and G conversions, leading zeros (following any indication of sign or base) are used to pad to the field width; no space padding is performed. If the 0 and - flags both appear, the 0 flag is ignored. For d, i, o, x, and X conversions, if a precision is specified, the 0 flag will be ignored. For c conversions, the flag is ignored.

Conversion Characters

Each conversion character results in fetching zero or more arguments. The results are undefined if there are insufficient arguments for the format. Usually, an unchecked exception will be thrown. If the format is exhausted while arguments remain, the excess arguments are ignored.

The conversion characters and their meanings are:

- d,i The int argument is converted to a signed decimal in the style [-]dddd. The precision specifies the minimum number of digits to appear; if the value being converted can be represented in fewer digits, it will be expanded with leading zeros. The default precision is 1. The result of converting 0 with an explicit precision of 0 is no characters.
- o The int argument is converted to unsigned octal format in the style ddddd. The precision specifies the minimum number of digits to appear; if the value being converted can be represented in fewer digits, it will be expanded with leading zeros. The default precision is 1. The result of converting 0 with an explicit precision of 0 is no characters.
- x The int argument is converted to unsigned hexadecimal format in the style dddd; the letters abcdef are used. The precision specifies the minimum number of digits to appear; if the value being converted can be represented in fewer digits, it will be expanded with leading zeros. The default precision is 1. The result of converting 0 with an explicit precision of 0 is no characters.
- X Behaves the same as the x conversion character except that letters ABCDEF are used instead of abcdef.
- f The floating point number argument is written in decimal notation in the style [-]ddd.ddd, where the number of digits after the radix character (shown here as a decimal point) is equal to the

precision specification. A Locale is used to determine the radix character to use in this format. If the precision is omitted from the argument, six digits are written after the radix character; if the precision is explicitly 0 and the # flag is not specified, no radix character appears. If a radix character appears, at least 1 digit appears before it. The value is rounded to the appropriate number of digits.

e,E

The floating point number argument is written in the style [-]d.ddde{+-}dd (the symbols {+-} indicate either a plus or minus sign), where there is one digit before the radix character (shown here as a decimal point) and the number of digits after it is equal to the precision. A Locale is used to determine the radix character to use in this format. When the precision is missing, six digits are written after the radix character; if the precision is 0 and the # flag is not specified, no radix character appears. The E conversion will produce a number with E instead of e introducing the exponent. The exponent always contains at least two digits. However, if the value to be written requires an exponent greater than two digits, additional exponent digits are written as necessary. The value is rounded to the appropriate number of digits.

g,G

The floating point number argument is written in style f or e (or in style E in the case of a G conversion character), with the precision specifying the number of significant digits. If the precision is zero, it is taken as one. The style used depends on the value converted: style e (or E) will be used only if the exponent resulting from the conversion is less than -4 or greater than or equal to the precision. Trailing zeros are removed from the result. A radix character appears only if it is followed by a digit.

c,C

The integer argument is converted to a char and the result is written.

s,S

The argument is taken to be a string and bytes from the string are written until the end of the string or the number of bytes indicated by the precision specification of the argument is reached. If the precision is omitted from the argument, it is taken to be infinite, so all characters up to the end of the string are written.

%

Write a % character; no argument is converted.

If a conversion specification does not match one of the above forms, an `IllegalArgumentException` is thrown and the instance of `PrintfFormat` is not created.

If a floating point value is the internal representation for infinity, the output is `[+]Infinity`, where `Infinity` is either `Infinity` or `Inf`, depending on the desired output string length. Printing of the sign follows the rules described above.

If a floating point value is the internal representation for "not-a-number," the output is `[+]NaN`. Printing of the sign follows the rules described above.

In no case does a non-existent or small field width cause truncation of a field; if the result of a conversion is wider than the field width, the field is simply expanded to contain the conversion result.

The behavior is like `printf`. One exception is that the minimum number of exponent digits is 3 instead of 2 for e and E formats when the optional L is used before the e, E, g, or G conversion character. The optional L does not imply conversion to a long long double.

The biggest divergence from the C `printf` specification is in the use of 16 bit characters. This allows the handling of characters beyond the small ASCII character set and allows the utility to interoperate correctly with the rest of the Java runtime environment.

Omissions from the C `printf` specification are numerous. All the known omissions are present because Java never uses bytes to represent characters and does not have pointers:

- `%c` is the same as `%C`.
- `%s` is the same as `%S`.
- u, p, and n conversion characters.
- `%ws` format.
- h modifier applied to an n conversion character.
- l (ell) modifier applied to the c, n, or s conversion characters.

- ll (ell ell) modifier to d, i, o, u, x, or X conversion characters.
- ll (ell ell) modifier to an n conversion character.
- c, C, d, i, o, u, x, and X conversion characters apply to Byte, Character, Short, Integer, Long types.
- f, e, E, g, and G conversion characters apply to Float and Double types.
- s and S conversion characters apply to String types.
- All other reference types can be formatted using the s or S conversion characters only.

Most of this specification is quoted from the Unix man page for the sprintf utility.

Constructor Summary

public	PrintfFormat (String fmtArg) Constructs an array of control specifications possibly preceded, separated, or followed by ordinary strings.
public	PrintfFormat (Locale locale, String fmtArg) Constructs an array of control specifications possibly preceded, separated, or followed by ordinary strings.

Method Summary

String	sprintf () Format nothing.
String	sprintf (double x) Format a double.
String	sprintf (int x) Format an int.
String	sprintf (long x) Format an long.
String	sprintf (Object x) Format an Object.
String	sprintf (Object[] o) Format an array of objects.
String	sprintf (String x) Format a String.

Methods inherited from class `java.lang.Object`

`clone`, `equals`, `finalize`, `getClass`, `hashCode`, `notify`, `notifyAll`, `toString`, `wait`, `wait`, `wait`

Constructors

PrintfFormat

```
public PrintfFormat(String fmtArg)
```

Constructs an array of control specifications possibly preceded, separated, or followed by ordinary strings. Control strings begin with unpaired percent signs. A pair of successive percent signs designates a single percent sign in the format.

(continued from last page)

Parameters:`fmtArg` - Control string.**Throws:**`IllegalArgumentException` - if the control string is null, zero length, or otherwise malformed.

PrintfFormat

```
public PrintfFormat(Locale locale,  
                    String fmtArg)
```

Constructs an array of control specifications possibly preceded, separated, or followed by ordinary strings. Control strings begin with unpaired percent signs. A pair of successive percent signs designates a single percent sign in the format.

Parameters:`fmtArg` - Control string.**Throws:**`IllegalArgumentException` - if the control string is null, zero length, or otherwise malformed.

Methods

sprintf

```
public String sprintf(Object[] o)
```

Format an array of objects. Byte, Short, Integer, Long, Float, Double, and Character arguments are treated as wrappers for primitive types.

Parameters:

- o - The array of objects to format.

Returns:

The formatted String.

sprintf

```
public String sprintf()
```

Format nothing. Just use the control string.

Returns:

the formatted String.

sprintf

```
public String sprintf(int x)  
    throws IllegalArgumentException
```

Format an int.

Parameters:

- x - The int to format.

Returns:

The formatted String.

Throws:

(continued from last page)

`IllegalArgumentException` - if the conversion character is f, e, E, g, G, s, or S.

sprintf

```
public String sprintf(long x)
    throws IllegalArgumentException
```

Format an long.

Parameters:

`x` - The long to format.

Returns:

The formatted String.

Throws:

`IllegalArgumentException` - if the conversion character is f, e, E, g, G, s, or S.

sprintf

```
public String sprintf(double x)
    throws IllegalArgumentException
```

Format a double.

Parameters:

`x` - The double to format.

Returns:

The formatted String.

Throws:

`IllegalArgumentException` - if the conversion character is c, C, s, S, d, d, x, X, or o.

sprintf

```
public String sprintf(String x)
    throws IllegalArgumentException
```

Format a String.

Parameters:

`x` - The String to format.

Returns:

The formatted String.

Throws:

`IllegalArgumentException` - if the conversion character is neither s nor S.

sprintf

```
public String sprintf(Object x)
    throws IllegalArgumentException
```

Format an Object. Convert wrapper types to their primitive equivalents and call the appropriate internal formatting method. Convert Strings using an internal formatting method for Strings. Otherwise use the default formatter (use `toString`).

Parameters:

(continued from last page)

x - the Object to format.

Returns:

the formatted String.

Throws:

`IllegalArgumentException` - if the conversion character is inappropriate for formatting an unwrapped value.

at.utils.jlib Class RunnableThread

java.lang.Object

└─at.utils.jlib.RunnableThread

All Implemented Interfaces:
Runnable

public class **RunnableThread**
extends Object
implements Runnable

Field Summary

public	m_strThreadName
--------	---------------------------------

Constructor Summary

public	RunnableThread()
public	RunnableThread(String strName)

Method Summary

void	run()
void	work()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Methods inherited from interface java.lang.Runnable

run

Fields

m_strThreadName

public java.lang.String **m_strThreadName**

Constructors

(continued from last page)

RunnableThread

```
public RunnableThread()
```

RunnableThread

```
public RunnableThread(String strName)
```

Methods

work

```
public void work()
```

run

```
public void run()
```


at.utils.jlib

Class TCPServerClient

java.lang.Object

└─at.utils.jlib.TCPServerClient

public class TCPServerClient
extends Object

Constructor Summary

public	TCPServerClient()
--------	-----------------------------------

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

TCPServerClient

public TCPServerClient()

at.utils.jlib Class Time

java.lang.Object
└─at.utils.jlib.Time

public class **Time**
extends Object

Constructor Summary

public	Time()
--------	------------------------

Method Summary

Date	GetTime()
long	GetTotalMillis()

Methods inherited from class java.lang.Object

clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait

Constructors

Time

public **Time**()

Methods

GetTime

public Date **GetTime**()

GetTotalMillis

public long **GetTotalMillis**()

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