BENZINGA.COM
TCP APIv1.1

Line Endings

All line endings will be in the expected format:
=BZEOT\r\n

Commands

All commands that returns or send data will include a colon (:) and possible whitespace ( )
between the command and the data.

NOTE: A single whitespace was required and will now be deprecated.

Connection

All clients are given a username and key to connect with. Only **one connection** is allowed from
a username/key at any given time.

Once connected, the server will reply with **READY**
On **READY**, send an **AUTH** token in the form:

> *AUTH: JSON-Object {*
> > *username: username*
> > *key: 1234567890*
>
> > *}*

The server will reply **CONNECTED**, if the connection is valid, otherwise disconnect.

example:

SERVER>   READY=BZEOT\r\n
CLIENT>   AUTH: {"username": "username", "key": "1234567890"}=BZEOT\r\n
SERVER>   CONNECTED=BZEOT\r\n

No Authentication Received
Clients will receive the following disconnect message if no authentication message is received:
Goodbye=BZEOT

Failed Authentication

Clients failing authentication would receive the following message(s):
INVALID KEY=BZEOT
INVALID KEY FORMAT=BZEOT

Multiple Connections

If multiples connections are needed in your environment, please contact us.   Multiple Connection with the Same Username/Key will result in a disconnect:

DUPLICATE CONNECTION=BZEOT

Keep Alive

Client Initiated:
After successful connection, a client should send a keep alive by sending PING: along with the pingTime in JSON format. The pingTime will be returned in the response by the server, along with the server time in UTC. The pingTime may be in any string or numeric format and in only used as the response token.

example:

CLIENT> PING: {"pingTime": "VALUE"}=BZEOT\r\n
SERVER> PONG: {"serverTime":"Thu Sep 20 2012 01:02:51 GMT+0000 (UTC)",
"pingTime":"VALUE"}=BZEOT\r\n

Data

Once connected, article Data will be streamed in JSON format. The following data will be available:

example:

STREAM: {
 id: 1234567,   // Unique ID of Story
 title: 'TITLE OF STORY',   // TITLE of Article
 body: 'BODY OF STORY',   // Body of Article
 status: 'Published',   // Published or Removed
 published: 'Thu Aug 09 2012 19:41:09 GMT+0000 (UTC)',   // Published Date, GMT
 updated: 'Thu Jan 01 1970 00:00:00 GMT+0000 (UTC)',   // Revision Date, GMT
 link: 'http://www.benzinga.com/link/to/story',   // Link to the Article
 channels: [// Array of Channels
        'CHANNEL' ,
        'CHANNELX'

```
        ],
  tickers: ['A', 'B', 'C']                          // Array of Tickers
}=BZEOT\r\n
```

example (with extended tickers):

```
STREAM: {
  id: 1234567,                                       // Unique ID of Story
  title: 'TITLE OF STORY',                           // TITLE of Article
  body: 'BODY OF STORY',                             // Body of Article
  status: 'Published',                               // Published or Removed
  published: 'Thu Aug 09 2012 19:41:09 GMT+0000 (UTC)',   // Published Date, GMT
  updated: 'Thu Jan 01 1970 00:00:00 GMT+0000 (UTC)',     // Revision Date, GMT
  link: 'http://www.benzinga.com/link/to/story',     // Link to the Article
  channels: [                                        // Array of Channels
        'CHANNEL' ,
        'CHANNELX'
        ],
  tickers: [ {                                       // Array of Tickers
        name: 'F',                                   // Ticker Symbol
        primary: 1,                                  // Denotes Primary Status (0, 1)
        sentiment: false                             // Sentiment (-4 to 4) if available
        } ]
}=BZEOT\r\n
```

Data Fields

Field definitions and examples.

id
Type: integer
Definition: Primary Key and Unique ID of the Story

title
Type: String
Max Length: 255 chars
Definition: Title of the Article

body
Type: String
Max Length: Unlimited / Varying
Definition: Body of the Article. The length may be limited, per client setup. Body format may be in HTML or RichText per client setup.

published

Type: String

Definition: This is the published date of the article.   Date will be in GMT.

Example: 'Thu Aug 09 2012 19:41:09 GMT+0000 (UTC)'

updated

Type: String

Definition: This the updated timestamp of the article. This may be updated for a number of reasons that may or may not be apparent to the client. Stories will be pushed on all updates. Date will be in GMT.

Example: 'Thu Jan 01 1970 00:00:00 GMT+0000 (UTC)'

status

Type: String

Definition: This is the status of an article. A status of either "Published" or "Removed" will be included with the article. Article updates would only be indicated through a pushed and a client checking the difference in updated times.

Example: "Published" or "Removed"

link

Type: String

Definition: Link to publicly available story on Benzinga.com. This field will indicate NULL if a link is not available.

channels

Type: Array

Definition: The Benzinga Channels or categories an article appears in. This array may be blank if no channels exist.

Example:

```
  channels: [
        'News' ,
        'Markets'
        ],
```

tickers

Type: Array

Definition:

Example (with Primary/Sentiment)

```
        tickers:  [ {
                name: 'F',
                primary: 1,
                sentiment: false
```

```
      } ]
```
Example (tickers only):
```
      tickers:  ['F', 'GM']
```