General table columns:

active - 1 means that the entry is enabled, 0 means the entry is disabled

created - The created date timestamp

last\_update - The timestamp at which the entry was updated.

Problem: We need to be able to associate different strategies with different persisted equities and equity data sources.

Solution:

Java Strategy Enum -

Problem: Different equity data sources provide data in different time zones for a given equity (stock, options, etfs, etc ).

Solution:

For a given equity (`ticker\_id`) and corresponding equity data source ID (`equity\_data\_source\_id`), we create an entry in the `eds\_ticker\_time\_info` table below along with the close time in UTC (`close\_time\_utc`). For example, the following is an entry for the Nikkei in the Yahoo data source and has close\_time\_utc "15:15:00 +0900". Note that id, ticker\_id, and equity\_data\_source\_id are mysql integer IDs**.**

**id,ticker\_id,equity\_data\_source\_id,persistence\_version,created,last\_update,active,close\_time\_utc**

**3,152,1,NULL,"2014-06-14 22:34:20","2014-06-14 22:34:20",Y,"15:15:00 +0900"**

Whenever an entry is not provided, we use defaults:

|  |  |
| --- | --- |
| Data source | Default close time |
| Yahoo | 13:00:00 -0700 |
| CSI | 13:00:00 -0700 |

**CREATE TABLE `eds\_ticker\_timeinfo` (**

**`id` int(10) unsigned NOT NULL AUTO\_INCREMENT,**

**`ticker\_id` int(10) unsigned NOT NULL,**

**`equity\_data\_source\_id` int(10) unsigned NOT NULL,**

**`persistence\_version` int(11) DEFAULT NULL,**

**`created` timestamp NOT NULL DEFAULT '0000-00-00 00:00:00',**

**`last\_update` timestamp NOT NULL DEFAULT CURRENT\_TIMESTAMP ON UPDATE CURRENT\_TIMESTAMP,**

**`active` char(1) DEFAULT 'Y',**

**`close\_time\_utc` varchar(16) DEFAULT NULL,**

**PRIMARY KEY (`id`)**

**) ENGINE=InnoDB AUTO\_INCREMENT=4 DEFAULT CHARSET=latin1$$**

THINGS TO DO:

\*Rename company to tickers or something else? see http://en.wikipedia.org/wiki/Financial\_instrument

Rename company\_strategy\_analysis depending on above.

\* Add option for retrieving data in non-percentage format.

\* Make path for CSI files configurable.--DONE

\*Make sure active is respected for retrieving from everywhere.

\*Add flag for disabling tradeking.

\*Add close\_time\_utc feature to csi downloader.

\*Consider removing StrategyEnum.