

Strategy Studio: TextCorporateActionAdapter (Corporate Action Data)

TextCorporateActionAdapter is Strategy Studio's corporate action adapter for applying corporate action events read from a CSV file. This adapter provides a simple mechanism for applying corporate actions.

This corporate action adapter can be selected by adding the following line to the main server configuration file:

- **CORPORATE_ACTION_LOADER=TextCorporateActionAdapter**

The following variables may be added to the server's main configuration file to customize the behavior of the adapter:

- **CORPORATE_ACTION_SOURCE_DIRECTORY=path**
 - Sets the directory to search for the corporate action CSV files. If omitted, defaults to the server's local directory.

Corporate actions are specified in two files, `corporate_actions.csv` and `symbol_changes.csv`. The former contains various corporate actions including dividends, splits and spinoffs, and the latter contains symbol changes.

The format for `corporate_actions.csv` is:

#ExDate,Symbol,Type,RateType,Rate

- **ExDate** specifies the ex-dividend date for the corporate action and should be formatted as YYYYMMDD.
- **Symbol** specifies the symbol for this corporate action as it was on the ex-dividend date.
- **Type** can be of the set CASH_DIVIDEND, STOCK_DIVIDEND, STOCK_SPLIT, and SPINOFF.
- **RateType** is either A for additive or M for multiplicative.
- **Rate** is a floating point number.

The format for `symbol_changes.csv` is:

#Date,OldSymbol,NewSymbol

- **Date** specifies the date the symbol change took effect, in format YYYYMMDD.
- **OldSymbol** is the symbol as it was on the day prior to the symbol change.
- **NewSymbol** is the new symbol after the symbol change.

As with all corporate action adapters in Strategy Studio, it is important that the corporate actions for any particular day be available and accessible when the server starts for the first time on that day. The corporate action files should continue to be available if the server is restarted, as today's corporate actions need to be read and applied consistently on every server startup.