

Trade Valuation



Trade Valuation and Validation

- Users can define their own end-of-day (EOD) details. At each EOD,
 FinPricing will conduct EOD process automatically based on user
 definition value and settle all trades and generate reports. Also
 FinPricing provides a manual interface for what-if analysis on
 valuation and validation.
- After creating a new trade or loading an existing trade (see details in "How to book a single trade?" above), click the Market Data tab that is beside the Trade Detail tab. Then the user can either click the New button to input new market data or the Load button to extract the existing market data.

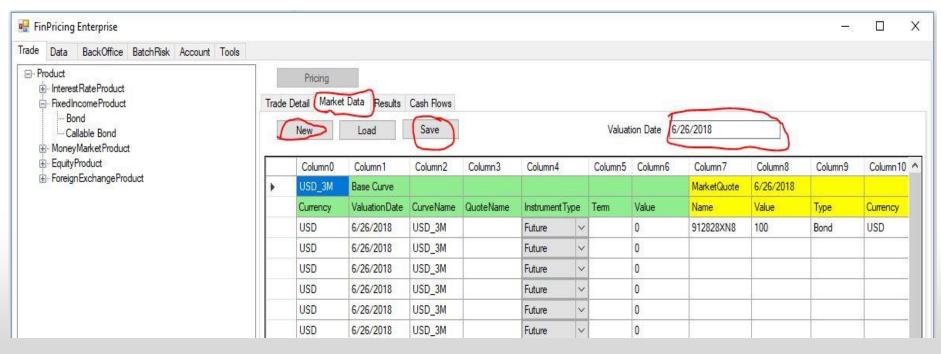


- If the user chooses to input new market data by specifying the Valuation Date and then clicking the New button, the system knows what kind of market data needed for this trade and thus generates market data templates displayed in the main window.
- After filling the market data and then clicking the Save button, an OK windows pops up if all data are in correct formats and value types. That means the new market data are saved into the system and ready to use.



Trade Valuation and Validation (Cont'd)

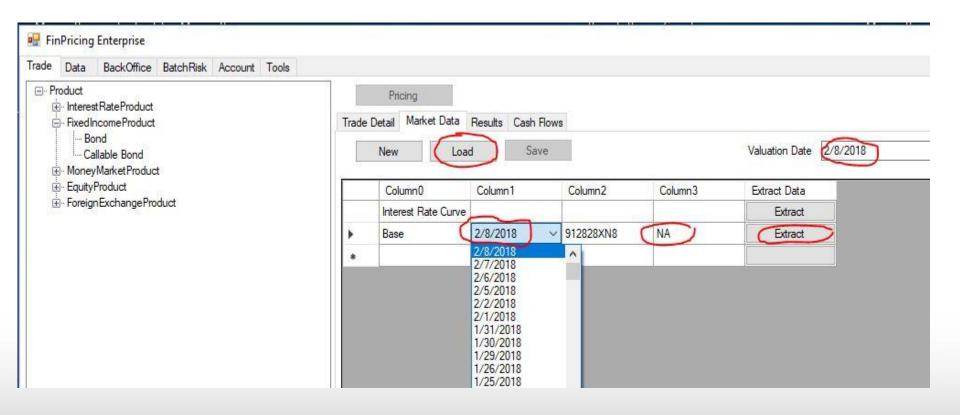
Please note that FinPricing provides some market data to users.
 However, a user feels free to modify or provide their own market data. Those new or modified market data will be private to the user.





- If user chooses to load existing market data by inputting a Valuation Date (say, 2/8/2018) and then clicking the Load button, a selection form appears in the main window. The user can select a date from pull-down menus. If all available dates are not what he wants, just select NA (not available). Then click the Extract button at the right of the row.
- Note: the valuation date and the market data date are allowed to be different as sometimes a user conducts what-if analysis at a start-of-day (SOD), when the new market data are still not available. In that case, the user can use yesterday's data.

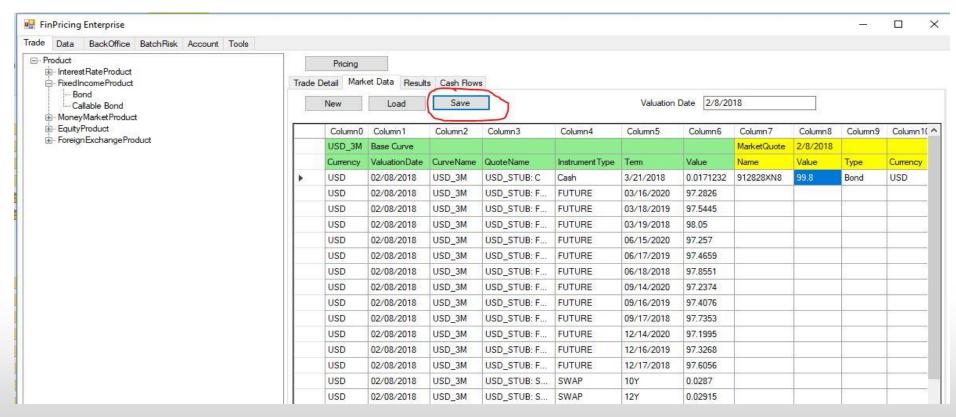






Trade Valuation and Validation (Cont'd)

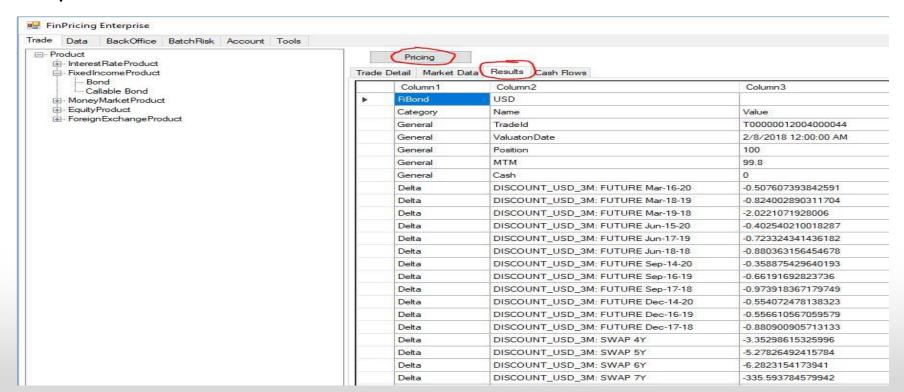
The market data on 2/8/2018 are loaded in the main window.
 Again the user can modify and save the market data.





Trade Valuation and Validation (Cont'd)

 After either new market data saved or existing market data loaded, the user can click the Pricing button. The calculation results will be presented in the Results tab.





Trade Valuation and Validation (Cont'd)

Some notes on results

- Sometimes, bond prices are available (quoted) in the market. If the bond price is provided, FinPricing will match the model price to the market price by calibrating a credit spread that reflects credit risk and liquidity risk.
- If the market bond price is not given, FinPricing will compute the model price only based on the discount and/or forecast curves provided.



- FinPricing calculates sensitivities or Greeks based on market observable and liquid instruments, such as LIBOR rates, Eurodollar futures, and swap rates. This is the best market practice and convention as hedge and risk analysis are based on market observables. Most trading systems in the market compute Greeks relying on zero-rates, which is an easy way for convenience.
- To compute Greeks on market instruments, system/model needs to shock each instrument and then reconstruct curve one by one.
 The calculation is much more complex and time-consuming. But trickery cannot be used to gain advantage.



Thank You

You can find more details at

https://finpricing.com/lib/EqCppi.html