

## FMR Real Time

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FMR RT is a library of functions that allows one to link Microsoft Excel (or VBA) with DDE servers given by real time providers and choose the instruments to use according to some criteria established by the user, such as the rating or the sector.

The library uses a database system to link instruments' codes with the related real time codes. The system is completely configurable and it supports several platforms.

### The advantages

All the most important data distribution systems (platforms) provide a DDE server to power an Excel worksheet. Even if these systems are very flexible, their use usually is not very intuitive, because the user has to know exactly all the specific codes used by the platform.

Moreover, DDE formulas must be manual inserted for each required data and this operation often induces some mistakes. FMR RT solves this problem, thanks to the use of a database that stores the features of the link and a range of functions that allows it to retrieve the data in real time using the ISIN code of the instrument.

### The connection database

The database linked with FMR RT simultaneously stores the data given by several different data providers (feed) and distribution platforms. At distribution time, the system supports the following feeds:

- Bloomberg
- Reuters

and the following platforms:

- Bridge
- Fist
- Invision
- Opentrade
- Reuters
- Tibco
- Triarch.

The system may be configured and expanded to support any DDE data server in operation by the user.

### Further data

The particular structure of FMR RT's database allows storing, in addition to the specific data used for the connection, other data too. These may be then used to choose the categories or the instruments lists.

At distribution time, the system is set to accept a range of rating and activities sectors. However, the user has the possibility to add other selection criteria.

### FMRRT Function

It allows building a link with a real time platform.

### FMRDBIField Function

It returns as a parameter for a given ISIN, the value inserted in the specified field.

### FMRDBISet Function

It allows linking to a specified ISIN list, a name written in the integrated database's LISTNAME field. This function allows calling back the securities list to make further analysis.

### FMRDBIQuery Function

After having established a specific research criterion, this function allows making a generic query on the integrated database.