

# **Strategy Tuner**

**V 2.0**

**Installation Guide**

## **Requirements & Overview**

The minimum requirements needed to use Strategy Tuner are:

- MS Windows 2000/XP
- 128 Mb RAM
- MS Visual Studio 6.0 (SP 5) Professional or Enterprise edition only (*Development Edition only*).

The Strategy Tuner installation creates an environment which enables development, debugging, back testing and analyzing the strategies. The installation consists of two steps:

- Installing Strategy Tuner.
- Installing MySQL server (*optional*).

## **Installing Strategy Tuner**

1. Download Strategy Tuner.  
Upon purchasing Strategy Tuner, you will be given an URL to download Strategy Tuner setup.
2. Run Strategy Tuner setup execution file.
3. The Strategy Tuner setup installs its components:
  - **Strategy Tuner Server** - an engine that emulates user management, exchange activity and order execution.
  - **Strategy Tuner Console** – a front-end application for management of user's portfolio, running strategies and displaying strategy results and statistics.
  - **Strategy Analysis** - application for finding optimal parameter sets (tuning) of the strategy.
  - **Strategy Runner API** – environment for strategy development (*Development Edition only*).

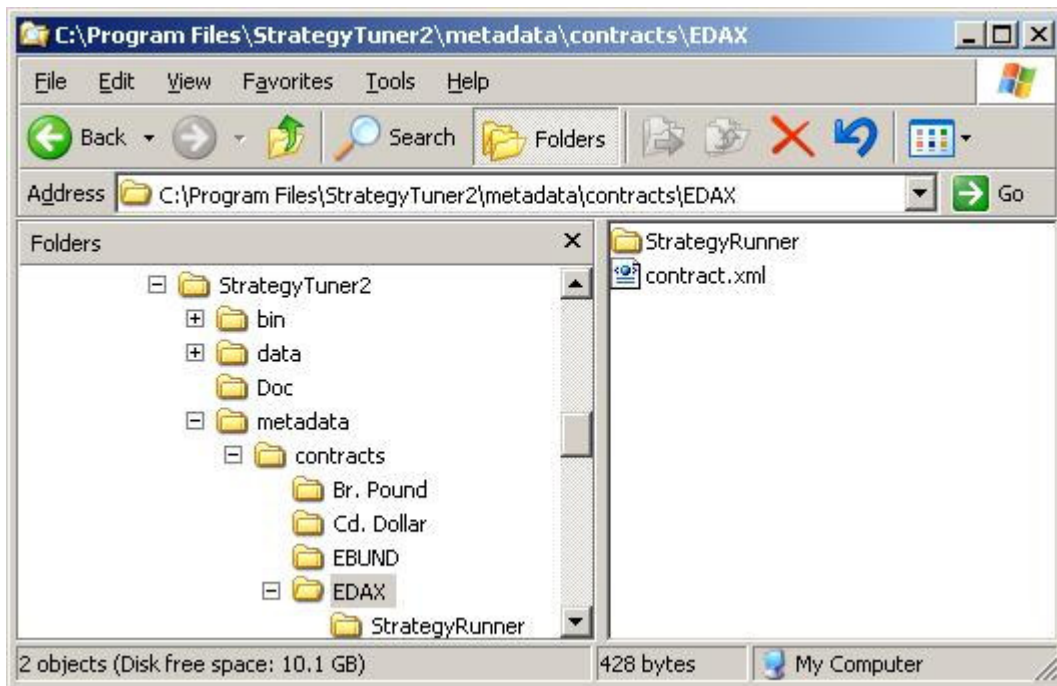
**NOTE!** We highly recommend that you do not change the default installation directory of any of the components.

The setup installation (by default) directory *C:\Program Files\StrategyTuner2* contains the following subdirectories:

- **data** – directory structure for historical data. The *data* directory contains subdirectories named after contract name. Each such subdirectory consists of historical quota data in proprietary format, file per day naming in *yyyymmdd* format.
- **metadata** – directory structure for contract descriptions and strategy parameter files. The *metadata* directory contains the *contracts* subdirectory, which contains subdirectories named after contract name. Each such a subdirectory contains contract

description XML file *contract.xml* and subdirectories named after strategy vendors (strategy creators or authors) containing strategy parameter XML files (see Figures 1-1 and 1-2).

- **TConsole** – files for Strategy Tuner Console and Strategy Analysis Tool.
- **Doc** – documentation.
- **API** – Strategy Runner API environment (*Development Edition only*).



**Figure 1-1: Metadata directory for contracts.**

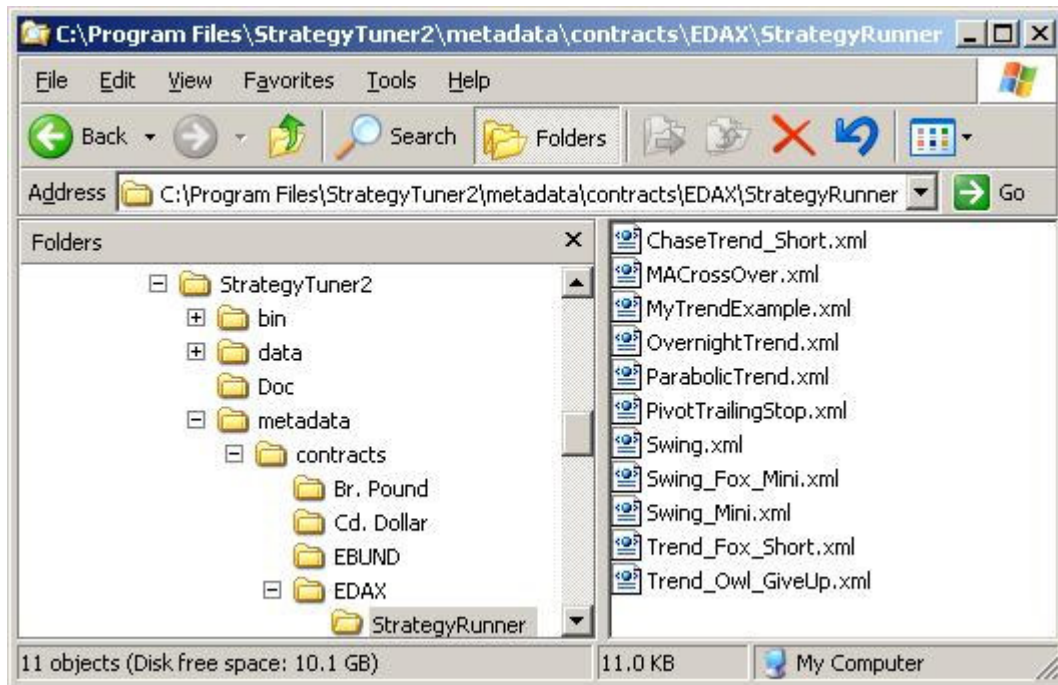


Figure 1-2: Strategy parameters XML files.

## Installing MySQL Server

Installation of MySQL server is **optional**.

Strategy Tuner uses MySQL database for strategy analysis procedure.

Also, it can be used for tracing of strategy to the database, during back-testing and development.

1. Download MySQL server (version 3.23) from [www.mysql.com](http://www.mysql.com).
2. Run *setup.exe* and install the MySQL server into *C:\mysql* (default).  
**NOTE!** We highly recommend that you do not change the default installation directory.
3. Open a command prompt window. Go to *C:\mysql*
4. At the command prompt, enter **bin\mysqld-nt --install**. This will install MySQL as a service on your computer.
5. To start the MySQL server, enter **NET START mysql** at the command prompt, or restart your computer (this should be done only once, before the first-time use).
6. See the MySQL documentation for further instructions.

Before you run or debug a strategy, you should set a certain parameters in the configuration file *StrategyTuner.xml*:

1. Open the files *C:\Program Files\StrategyTuner2\bin\StrategyTuner.xml* in a text editor

2. Find a section that is called *Configuration/Database*. In that section find the entry `<DBHost name='localhost' user='root' passwd=''/>`.
3. Update the *name* so that it would contain *host name* or *IP address* of your computer. Make sure that *user* and *passwd* are the same as user name and password that authorize full access to your MySQL server.
4. For Development Edition, perform the same changes in the file *C:\Program Files\StrategyTuner2\API\bin\_debug\StrategyTuner.xml*.