

Internet connection tester

1. What is it?

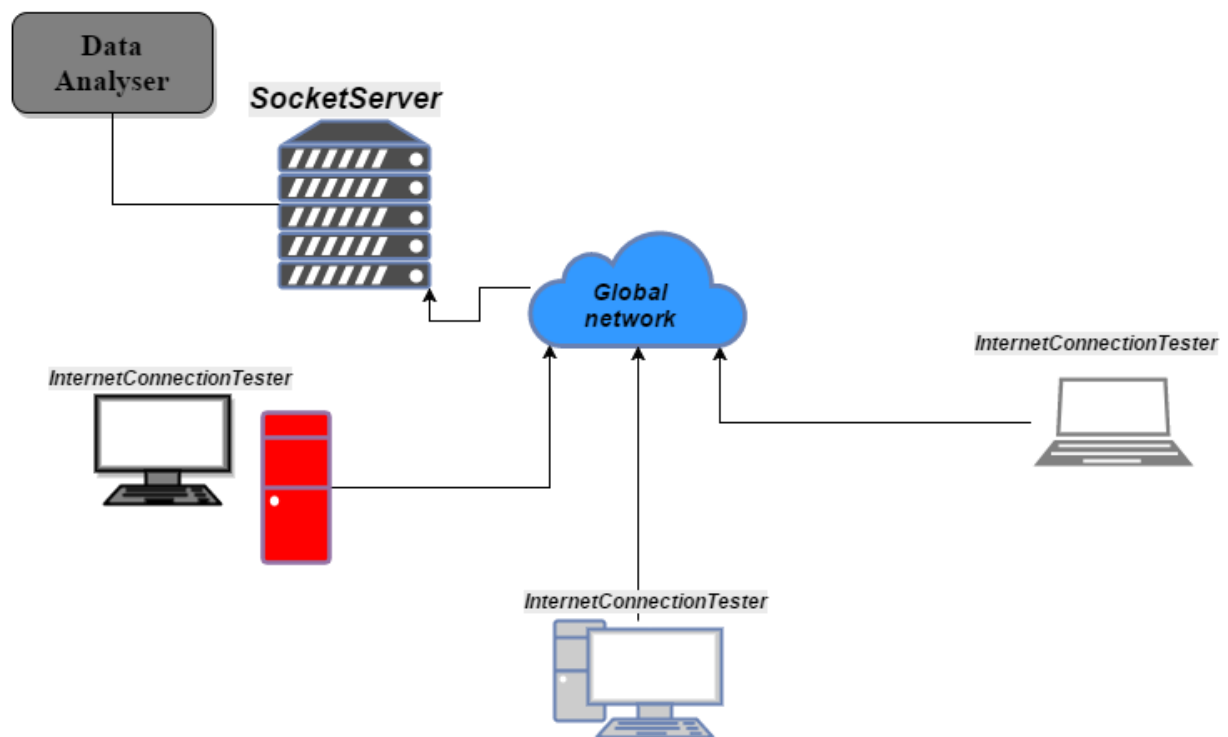
Internet connection tester is a .NET C# Application using WPF technology, TCP connection for data transfer and some basics algorithms.

2. What problem does it solve?

The main purpose of the program is keeping log of the Internet connection availability of a local computer and sending information to a web server, which takes care of information analyzation, so at any time administrator would be able to see whether the Internet provider is stable or not. In case of connection losses the exact time is going to be known.

3. How does it work?

The program itself is made of three parts, connected to each other:



- **InternetConnectionTester** takes care of checking whether is internet connection available or not, and sends information to the **SocketServer** creating TCP connection through the Global network.
- **SocketServer** main purpose is to "Listen" for a connection and keep a main log of the information send by all the computers connected to the exact IP address and port.

- ***DataAnalyser*** analyze the information, stored by the ***SocketServer*** and creates a simple HTML page, containing information about the Internet availability of the computers. The page is stored to a specific Server folder, which is specified by the administrator through the ***App.config*** file.