

SIO.NET – Plug&Play Contest System

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SIO.NET is an easy-to-use, plug & play contest system that allows anyone to set up and run his own programming competition on his own computer.

The system is based on Windows and this is the main difference between our system and all other ones. Moreover, easy installation and nice graphic user interface make it available for everyone.

SIO.NET consists of four modules:

- SioAdmin: responsible for administrating the system
- SioWorker: responsible for testing the solutions
- SioWeb: service with web pages for clients to submit their programs
- SioDatabase

All modules can be installed on one or many computers. The more computers you use the bigger contest you can run. System can handle multiple workers on different computers that allow SIO.NET to test many programs in parallel.

Admin can create and modify all tasks and contests proprieties from his interface. Users access the system via web page, and can read problems, submit and check their results there.

System can use any compiler that generates the windows 32-bit executable code. We have already added some .NET compilers (like C#.NET), but also a Free Pascal compiler for Pascal programs and GNU MigiGW C/C++ compiler for C/C++ programs are installed.

We provide the description of the compiler interface that allows anyone with some knowledge about C# to add his own compiler in a few minutes.

SIO.NET can be used not only for the IOI style competition but for an ACM style contests as well. The variety of different options allow administrator to create many different types of contests.

Tests for tasks can be in different format. They can be provided as normal files but also test generators and user programs for testing contestants' solutions can be added.

Summing up, SIO.NET is a great contest system not only for school teachers, to run small coding competitions in schools, but also for students to run their own contest for themselves.

SIO.NET is ready and working right now.