

2014 Trend Micro Codinsanity Online Judge System User Manual

In this manual, the basic aspects and usage of the Contest Web Portal will be introduced.

Contestant Portal

Login Page

You may access the official Contestant Portal via the following link:

<https://judge.contest.trendmicro.com>

You will see the login page as below:

A screenshot of a login page with a light gray background. At the top, the word "Welcome" is written in a large, bold, black font. Below it, the text "Please log in" is displayed in a smaller, regular black font. There are two input fields: the first is labeled "Username" and contains the text "Tester"; the second is labeled "Password" and contains six asterisks. Below the input fields are two buttons: a blue "Login" button with a white cursor icon pointing at it, and a light gray "Reset" button.

Type in your user name and password in the 'Username' and 'Password' fields respectively and click on the 'Login' button in order to log in.

Overview Page

Upon a successful login, you will see the overview page that presents you with information about the contest and the quizzes:

Logged in as Tester Tester (Tester) Logout

Server time: 02:49:36
Time left: 302:51:38

Overview

Communication

ADD

Statement

Submissions

HELLOWORLD

Statement

Submissions

Documentation

Testing

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Overview

General information

The contest is currently running.

The contest started at 2014-04-08 08:41:15 and will end at 2014-05-08 08:41:15.

Task overview

Task	Name	Time limit	Memory limit	Type	Files
Add	Add	1 second	512 MiB	Batch	Quiz1.[c cpp java]
HelloWorld	HelloWorld	1 second	1024 MiB	Batch	hello2.[c cpp java]

Your login status is displayed on the top right hand corner:

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Server time: 02:49:36
Time left: 302:51:38

Overview

Communication

ADD

Statement

Submissions

HELLOWORLD

Statement

Submissions

Documentation

Testing

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The system time (in UTC), as it is on the Contest Web Portal system, and the remaining time for the current round of the contest before which you can make your submissions are displayed on the top left hand corner:

Logged in as Tester Tester (Tester) Logout

Server time: 02:49:36
Time left: 302:51:38

Overview
Communication
ADD
Statement
Submissions
HELLOWORLD
Statement
Submissions
Documentation
Testing

Overview

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General Information and execution restrictions:

Logged in as Tester Tester (Tester) Logout

Server time: 02:49:36
Time left: 302:51:38

Overview
Communication
ADD
Statement
Submissions
HELLOWORLD
Statement
Submissions
Documentation
Testing

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The status of the current round of the contest, together with the list of quizzes are displayed on the center of the page. The table listing the individual quizzes (each of which is called a Task) also displays the restrictions laid down for that particular quiz. For example, the 'Time limit' column specifies the maximum execution time allowed for a submission to the quiz. If the execution time for the submission exceeds that specified by the 'Time limit', the submission would be considered as invalid. As for the 'Memory limit' column, it specifies the maximum amount of memory usage allowed for the execution of the submission. Again, if the memory consumed by the submission during execution exceeds that specified by the 'Memory limit' for that quiz, the submission would be considered as invalid.

Important: The 'Files' column specifies the file **name** and **extension** expected for the submissions for a particular quiz. Contestants **must** follow the specifications here by submitting a file with the expected file name together with the appropriate file extension depending on the language used for the implementation.

On the left hand column, there is a list of links providing access to the 'Overview', 'Communication' pages, as well as the Problem Statement and Submissions pages for each of the quizzes in the current round of the contest.

Logged in as Tester Tester (Tester) Logout

Server time: 02:49:36
Time left: 302:51:38

Overview

Communication

ADD

Statement

Submissions

HELLOWORLD

Statement

Submissions

Documentation

Contest Management System is released under the GNU Affero General Public License .

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General information

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HelloWorld	HelloWorld	1 second	1024 MiB	Batch	hello2 [c cpp java]

Communication Page

On the 'Communication' page, you may raise questions about the contest in general and clarification about quizzes by filling out and submitting the form:

Logged in as Tester Tester (Tester) Logout

Server time: 02:50:14
Time left: 302:51:00

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Communication

Questions

Subject

Question regarding to the quiz 'Add'

Text

Sample question.

Ask question

Reset

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As soon as the question is submitted, it will be sent to the Contest Administrators and the reply will be displayed on the same 'Communication' page:

Logged in as Tester Tester (Tester) Logout

Server time: 02:08:33
Time left: 183:32:41

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Communication

Questions

Subject

Text

Ask question

Reset

Question regarding to the quiz 'Add'

This is a sample question

17:07:56

(no subject)

Here's your sample answer

17:08:27

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Statement Page

The 'Statement' page provides contestants with the problem statement for the particular quiz for download as well as other information such as the compile commands used for the submissions and any additional information, which will be included as an attachment for the particular quiz.

Logged in as Tester Tester (Tester) [Logout](#)

Server time: 02:50:20
Time left: 302:50:54

Overview
Communication
ADD
Statement
Submissions
HELLOWORLD
Statement
Submissions
Documentation
Testing

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Add (Add) description


Statement

Download task statement

Some details

Type	Batch	
Time limit	1 second	
Memory limit	512 MiB	
Compilation commands	C	/usr/bin/gcc -DEVAL -static -O2 -o Quiz1 Quiz1.c -lm
	C++	/usr/bin/g++ -DEVAL -static -O2 -o Quiz1 Quiz1.cpp
	Java	/bin/mv Quiz1.java Task.java
		/usr/bin/gcj --main=Task -O3 -o Quiz1 Task.java

Attachments

 sample2.pdf 930 KiB
PDF document

The compile commands that are used to compile the submission for each of the supported implementation languages are also available on the page. Contestants may try out the compile command on their own development environment before making a submission in order to make sure that their submissions can be compiled correctly.

Server time: 02:50:20
Time left: 302:50:54

Overview

Communication

ADD

Statement

Submissions

HELLOWORLD

Statement

Submissions

Documentation

Testing

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Add (Add) description

Statement

Download task statement

Some details

Type	Batch	
Time limit	1 second	
Memory limit	512 MiB	
Compilation commands	C	/usr/bin/gcc -DEVAL -static -O2 -o Quiz1 Quiz1.c -lm
	C++	/usr/bin/g++ -DEVAL -static -O2 -o Quiz1 Quiz1.cpp
	Java	/bin/mv Quiz1.java Task.java
		/usr/bin/gcj --main=Task -O3 -o Quiz1 Task.java

Attachments

sample2.pdf

PDF document

930 KiB

Submissions Page

The 'Submissions' page is where the contestants make submissions of their solutions to a particular quiz. To make a submission, the contestant selects a file from the file system that conforms to the file name and extension constraints for the particular quiz (mentioned in the '**General Information and execution restrictions**' section) and click on the 'Submit' button.

Logged in as Tester Tester (Tester) Logout

Server time: 03:02:21
Time left: 302:38:54

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Add (Add) submissions

Quiz1 Choose File Quiz1.c
Submit Reset

Previous submissions

Time	Status	Score	Files
no submissions yet			

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When a submission is received by the Online Judge System, a notification will be displayed on the top right hand corner:

Logged in as Tester Tester (Tester) Logout

Server time: 03:02:23
Time left: 302:38:51

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Add (Add) submissions

Quiz1 Choose File No file chosen
Submit Reset

Previous submissions

Time	Status	Score	Files
18:02:22	Compiling...	N/A	Download

Submission received
Your submission has been received and is currently being evaluated.

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A submission will undergo three different phases, namely: **Compiling**, **Evaluating** and **Evaluated**. The status of the submission will be displayed on the page as indicated:

Logged in as Tester Tester (Tester) Logout

Server time: 03:02:23
Time left: 302:38:51

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Add (Add) submissions

Submit a solution

Quiz1 Choose File No file chosen
Submit Reset

Previous submissions

Time	Status	Score	Files
18:02:22	Compiling...	N/A	Download

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Submission received ✕
Your submission has been received and is currently being evaluated.

When a submission is in the **Evaluated** state, that means the submission has passed the Compilation stage and the output is also evaluated to be correct. A score will be computed for the submission and displayed on the page:

Logged in as Tester Tester (Tester) Logout

Server time: 03:02:27
Time left: 302:38:47

[Overview](#)
[Communication](#)
[ADD](#)
[Statement](#)
[Submissions](#)
[HELLOWORLD](#)
[Statement](#)
[Submissions](#)
[Documentation](#)
[Testing](#)

Add (Add) submissions

Submit a solution

Quiz1 Choose File No file chosen
Submit Reset

Previous submissions

Time	Status	Score	Files
18:02:22	Evaluated	details 83 / 100	Download

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Submission received ✕
Your submission has been received and is currently being evaluated.

If the output of the submission is incorrect (but it passed the **Compilation** stage) then the status of the submission will still be **Evaluated**, however the score will be zero:

Logged in as Tester Tester (Tester) Logout

Server time: 03:03:16
Time left: 302:37:58

Overview
Communication
ADD
Statement
Submissions
HELLOWORLD
Statement
Submissions
Documentation
Testing

Add (Add) submissions

Submit a solution
Quiz1 Choose File No file chosen
Submit Reset

Submission received x
Your submission has been received and is currently being evaluated.

Previous submissions

Time	Status	Score	Files
18:03:12	Evaluated	0 / 100	Download
18:02:22	Evaluated	82.61 / 100.0	Download

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By clicking on the 'details' link, contestants may view detailed information about the submission as shown below (the example below is for a submission that compiled successfully but the output was incorrect):

Logged in as Tester Tester (Tester) Logout

Server time: 03:03:40
Time left: 302:37:34

Overview
Communication
ADD
Statement
Submissions
HELLOWORLD
Statement
Submissions
Documentation
Testing

Add (Add) submissions

Submit a solution
Quiz1 Choose File No file chosen
Submit Reset

Submission details x

Outcome: Not correct
Details: Output isn't correct
Execution Time: 0.000 s
Memory Used: 128 KiB

Compilation output

Compilation outcome:	Compilation succeeded
Compilation time:	0.096 s
Memory used:	14.5 MiB

Standard output

Standard error

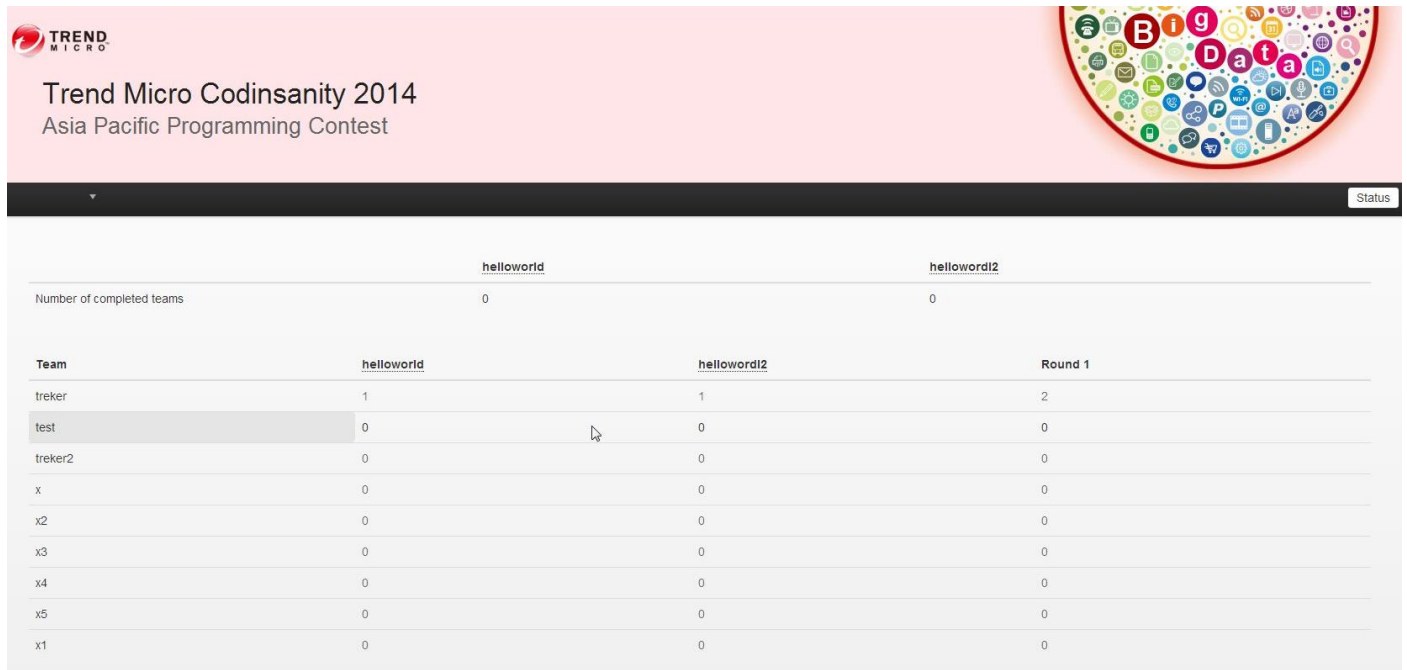
Close

Rankings Portal

The Rankings Portal may be accessed from here:

<http://ranking.contest.trendmicro.com/Ranking.html>

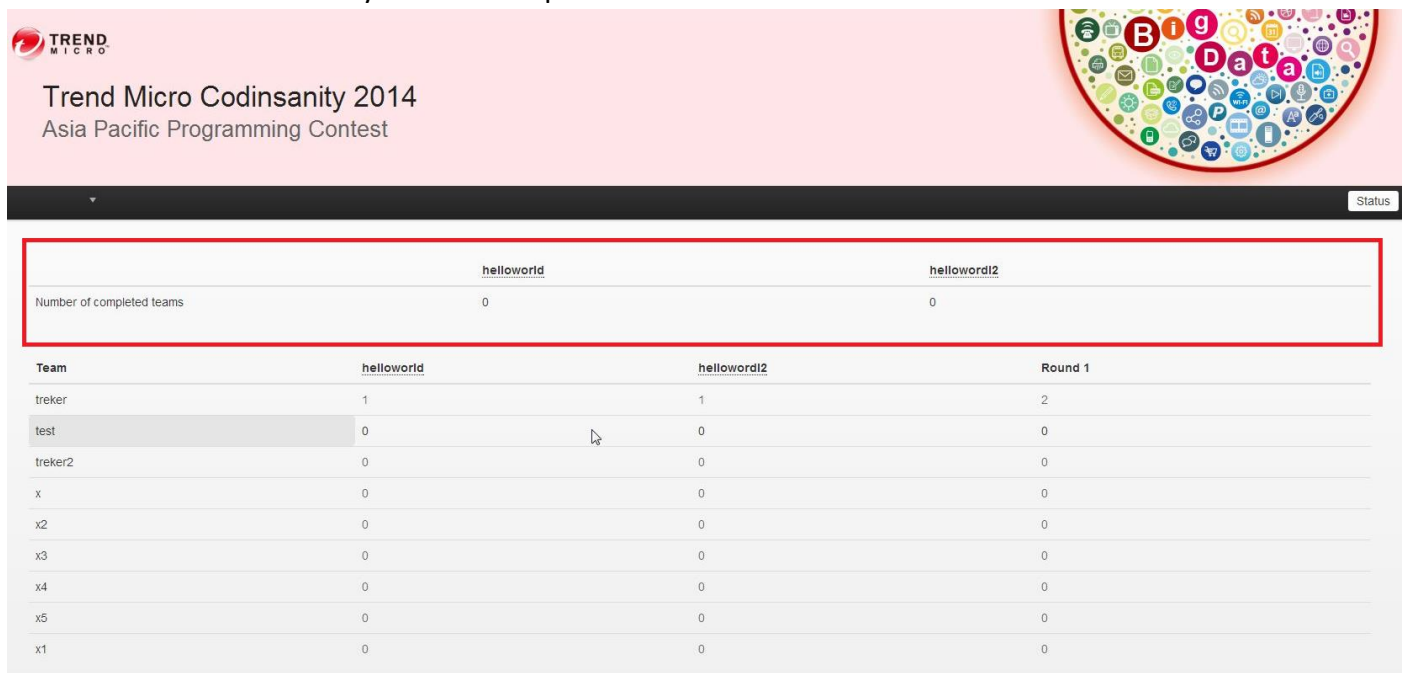
The Rankings Portal displays the real-time ranking held by all participating teams:



	helloworld	helloworld2
Number of completed teams	0	0

Team	helloworld	helloworld2	Round 1
treker	1	1	2
test	0	0	0
treker2	0	0	0
x	0	0	0
x2	0	0	0
x3	0	0	0
x4	0	0	0
x5	0	0	0
x1	0	0	0

On the top, the portal displays each individual quiz in the current round of contest and the number of teams that have successfully solved that quiz:



	helloworld	helloworld2
Number of completed teams	0	0

Team	helloworld	helloworld2	Round 1
treker	1	1	2
test	0	0	0
treker2	0	0	0
x	0	0	0
x2	0	0	0
x3	0	0	0
x4	0	0	0
x5	0	0	0
x1	0	0	0

The table shown below shows the status of each quiz for each participating team. For each quiz that the team had successfully solved, a value of '1' will be assigned; otherwise a '0' will be assigned. The total number of quizzes successfully solved in the current round by the team will be displayed in the "Round N" column. Please note that the results are displayed in alphabetical order, sorted using the team name.



Trend Micro Codinsanity 2014 Asia Pacific Programming Contest



Status

helloworld

helloworld2

Number of completed teams

0

0

Team	helloworld	helloworld2	Round 1
treker	1	1	2
test	0	0	0
treker2	0	0	0
x	0	0	0
x2	0	0	0
x3	0	0	0
x4	0	0	0
x5	0	0	0
x1	0	0	0