

Event Feed 2014

From ICPC-Contest Control Standard
Jump to navigationJump to search

This page describes the event feed format that will be used at WF 2014



Contents

- 1 Getting the feed
- 2 File format
 - 2.1 <info>
 - 2.2 <language>
 - 2.3 <region>
 - 2.4 <judgement>
 - 2.5 <problem>
 - 2.6 <team>
 - 2.7 <clar>
 - 2.8 <run>
 - 2.9 <testcase>
 - 2.10 <finalized>

Getting the feed

Connect to port 4713 and the entire feed for the contest will be sent to you. When the contest is finalized, the contest tag will be closed and the connection closed.

Connect to port 4714 and the entire feed for the contest will be sent to you, with the exception that no judgement information will be sent for runs submitted during the last hour. When the contest is finalized, the contest tag will be closed and the connection closed (but you will still not get judgements for runs submitted the last hour).

File format

The event feed is structured as an xml document within the root element <contest>.

All events are separate elements at the top level.

Some extra tags beyond what is documented here may also be sent, these should be ignored.

Event types are:

info

contest information and updates

language

submission language information

region

super region information

judgement

judgement information

problem

problem information

team

team information

clar

submitted clarification information and updates

run

submitted run information and updates

testcase

judgement of individual test cases for a run

Most elements are identified by an id. Timestamped events all have a timestamp element in decimal seconds. Submission events have a time element in decimal seconds relative to the contest start when it was submitted.

Events have time attributes identical to the timestamp element.

Sample events with inner element descriptions:

<info>

```
|-----|
|<info>|
|<length>05:00:00</length>|
|<scoreboard-freeze-length>01:00:00</scoreboard-freeze-length>|
|<penalty>20</penalty>|
|<started>False</started>|
|<starttime>1265335138.26</starttime>|
|<title>The 2010 World Finals of the ACM International Collegiate Programming Contest</title>|
|</info>|
|-----|
```

length

Length of contest in HH:MM:SS format.

scoreboard-freeze-length

Length of time at the end of the contest when scoreboard is frozen in HH:MM:SS format.

penalty

Penalty time in minutes.

started

Started flag.

starttime

Starttime as a timestamp in decimal seconds, or <starttime>undefined</starttime> if the start time is not defined.

title

Contest title string.

<language>

```
<language>
<id>1</id>
<name>C++</name>
</language>
```

id

Language identifier.

name

Language name.

<region>

```
<region>
<external-id>3012</external-id>
<name>Europe</name>
</region>
```

external-id

Identifier from the registration system.

name

Super region name.

<judgement>

```
<judgement>
<acronym>CE</acronym>
<name>Compile Error</name>
</judgement>
```

acronym

Short name

name

descriptive name

<problem>

```
<problem>
<id>1</id>
<name>A - APL Lives!</name>
</problem>
```

id

Problem identifier

name

descriptive name

<team>

```
<team>
<id>1</id>
<name>American University of Beirut</name>
<nationality>LBN</nationality>
<university>American University of Beirut</university>
<region>Europe</region>
<external-id>23412</external-id>
</team>
```

id

Team identifier

name

Team name

nationality

nationality as ISO 3166-1 alpha-3

university

university affiliation.

region

super region name.

external-id

team id from registration system.

Additional information may be provided.

<clar>

```
<clar>
<answer>The number of pieces will fit in a signed 32-bit integer.</answer>
<answered>True</answered>
<id>1</id>
<question>What is the upper limit on the number of pieces of chocolate requested by the
friends?</question>
<team>0</team>
<problem>1</problem>
118.480356991
<timestamp>1265335256.74</timestamp>
<to-all>True</to-all>
</clar>
```

answer

answered

Answered flag

id

Clarification identifier

question

team

Team ID

problem

Problem ID

time

timestamp

to-all

to-all flag

<run>

```
<run>
<id>1410</id>
<judged>True</judged>
<language>C++</language>
<penalty>True</penalty>
<problem>4</problem>
<result>WA</result>
<solved>False</solved>
<team>74</team>
17960.749403
<timestamp>1265353100.29</timestamp>
</run>
```

id

Run identifier

judged

Judged flag

language

language name

penalty

penalty flag

problem

problem ID

result

result short name

solved

solved flag

team

team ID

time

official submission time used for scoring.

timestamp

<testcase>

```
<testcase>
<i>1</i>
```

```
<judged>True</judged>
<judgement>WA</judgement>
<n>1</n>
<run-id>1</run-id>
<solved>False</solved>
939.751724958
<timestamp>1265336078.01</timestamp>
</testcase>
```

i
testcase number

judged
judgement
Judgement acronym

n
Total number of testcases

run-id
solved
time
timestamp

<finalized>

```
<finalized>
<timestamp>1265336078.01</timestamp>
<last-gold>4</last-gold>
<last-silver>8</last-silver>
<last-bronze>12</last-bronze>
<comment>Finalized by John Doe and Jane Doe</comment>
</finalized>
```

timestamp
last-gold
integer, last rank to receive a gold (should always be 4 for a compliant system)

last-silver
integer, last rank to receive a silver (should always be 8 for a compliant system)

last-bronze
integer, last rank to receive a bronze (should often be 12 but could very possibly be something else)

comment
text

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