art - Bug #7560

fcl does not understand files that have lines terminated by cr-nl

12/19/2014 05:28 PM - Rob Kutschke

Status:	Closed		**Start date:**	12/19/2014
Priority:	Normal		**Due date:**	
Assignee:	Christopher Green		**% Done:**	100%
Category:	Infrastructure		**Estimated time:**	2.00 hours
Target version:	1.13.00		**Spent time:**	2.00 hours
Occurs In:			**Experiment:**	Mu2e
Scope:	Internal		**SSI Package:**	fhicl-cpp

Description

Earlier today I was emailed a .fcl file which I saved to disk and then could not use. The problem turned out to be that the file had lines terminated DOS style with cr-nl, not with a simple nl.

I have attached a one line file, foo.fcl, that contains an example:

```
#include "minimalMessageService.fcl"
```

Hopefully the error is not removed by redmine. Anyway, when I ran this through art it gave the error:

```
Failed to parse the configuration file 'foo.fcl' with exception
 ---- Malformed #include directive: BEGIN
   #include "minimalMessageService.fcl"
    at line 1 of file ./foo.fcl
  ---- Malformed #include directive: END
 Art has completed and will exit with status 7002.
```

Note that it gives this same message whether or not the included file actually exists in FHICL_FILE_PATH.

I request that FHICL be updated to be able to handle files with lines terminated by cr-nl.

History

#1 - 01/06/2015 11:34 AM - Kyle Knoepfel

- Category set to Infrastructure

- Status changed from New to Accepted

- Assignee set to Christopher Green

- Target version set to 1.13.00

- Estimated time set to 2.00 h

- SSI Package fhicl-cpp added

- SSI Package deleted ()

Time estimate depends on our initial analysis that this is a trivial change to the white-space skipper being accurate.

#2 - 01/20/2015 01:03 PM - Christopher Green

Fixed with cetlib:7054b87, cetlib:5c7d15f, and cetlib:c9f2ee0. The problem was actually in cetlib:source:cetlib/includer.cc and cetlib:source:cetlib/include.cc, as the FHiCL parser already handled the problem by using boost::spirit::ascii::space as part of its whitespace skipper.

#3 - 01/20/2015 01:04 PM - Christopher Green

- Status changed from Accepted to Resolved

- % Done changed from 0 to 100

#4 - 02/16/2015 10:32 AM - Christopher Green

- Status changed from Resolved to Closed

Files

foo.fcl	38 Bytes	12/19/2014	Rob Kutschke