

## art - Bug #8893

### Insufficient diagnostic info for a fhicl error

05/21/2015 04:53 PM - Andrei Gaponenko

<b>Status:</b>	Closed	<b>Start date:</b>	05/21/2015
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Kyle Knoepfel	<b>% Done:</b>	100%
<b>Category:</b>	Application	<b>Estimated time:</b>	2.00 hours
<b>Target version:</b>	1.15.02	<b>Spent time:</b>	3.00 hours
<b>Occurs In:</b>		<b>Experiment:</b>	Mu2e
<b>Scope:</b>	Internal	<b>SSI Package:</b>	art
<b>Description</b>			
Using the attached typo.fcl			
<pre>\$ mu2e -c typo.fcl %MSG-i MF_INIT_OK: mu2e 21-May-2015 16:48:40 CDT JobSetup Messagelogger initialization complete. %MSG %MSG-s ArtException: mu2e 21-May-2015 16:48:45 CDT JobSetup cet::exception caught in art ---- Type mismatch BEGIN   filter   ---- Type mismatch BEGIN     invalid sequence   ---- Type mismatch END ---- Type mismatch END %MSG Art has completed and will exit with status 8001.</pre>			
The actual problem is "filter" instead of "filters" in the last line. The complaint about a sequence is confusing.			
Andrei			

### History

#### #1 - 06/01/2015 11:48 AM - Christopher Green

- Category set to Application
- Status changed from New to Accepted
- Target version set to 1.18.00
- Estimated time set to 2.00 h
- SSI Package art added
- SSI Package deleted ()

Any parameter in the physics parameter set that is not either filters, producers or analyzers is assumed to be a path specification, which must be a sequence. We can certainly trap this error and throw a more useful error message in these circumstances.

#### #2 - 08/11/2015 02:47 PM - Kyle Knoepfel

- Status changed from Accepted to Resolved
- Assignee set to Kyle Knoepfel
- % Done changed from 0 to 100

Should a user specify a parameter that is not supported in the 'physics' block of the configuration file, the following exception will now be thrown:

```
---- Configuration BEGIN

You have specified the following unsupported parameters in the
"physics" block of your configuration:
```

```
"physics.filter" (table)
```

```
Supported parameters include the following tables:
```

```
"physics.producers"
```

```
"physics.filters"
```

```
"physics.analyzers"
```

```
and sequences. Atomic configuration parameters are not allowed.
```

```
---- Configuration END
```

Implemented with commit [art:7c471e2e55fa21ba75fb869a1a8ded7784b7ab4f](https://github.com/rtm/rtm/commit/art:7c471e2e55fa21ba75fb869a1a8ded7784b7ab4f).

### #3 - 08/14/2015 07:58 AM - Kyle Knoepfel

- Target version changed from 1.18.00 to 1.15.02

### #4 - 12/23/2015 09:04 AM - Kyle Knoepfel

- Status changed from Resolved to Closed

## Files

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typo.fcl	2.08 KB	05/21/2015	Andrei Gaponenko
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