art - Bug #6801

Possible failure of config_dumper to dump services configuration.

08/14/2014 10:52 AM - Christopher Green

Status:	Closed		**Start date:**	08/14/2014
Priority:	High		**Due date:**	
Assignee:	Christopher Green		**% Done:**	100%
Category:	Metadata		**Estimated time:**	2.00 hours
Target version:	1.11.00		**Spent time:**	3.00 hours
Occurs In:			**Experiment:**	-
Scope:	Internal		**SSI Package:**	art

Description

Tom Junk reports that config_dumper in 1.09.04 still fails to dump the service configuration.

Related issues:

Related to art - Feature #3639: Recovering Parameter Sets used to Configure S...	**Closed**		**05/01/2013**
Related to art - Necessary Maintenance #1014: some parameter sets in the Serv...	**Closed**	**02/25/2011**	**09/30/2013**

History

#1 - 08/14/2014 11:07 AM - Christopher Green

- Status changed from Assigned to Feedback

Tom, please let us know the command you used so we can reproduce the problem with your data file. If you can do this quickly, we have a chance of getting any necessary fix into version:Sol.

As an aside, dumping the service configuration requires an option to be specified: see config_dumper -h for details.

#2 - 08/14/2014 11:41 AM - Christopher Green

- Status changed from Feedback to Assigned

- Estimated time set to 2.00 h

From Tom:

> The command with full path names. Executed on lbnegpvm05:

> My setup:

> source /grid/fermiapp/lbne/software/setup_lbne.sh
> cd /lbne/app/users/trj/mt2
> setup larsoft v02_04_00 -q e5:prof
> source /lbne/app/users/trj/mt2/localProducts_larsoft_v02_04_00_e5_prof/setup
> cd build_slf6.x86_64/
> mrbsetenv

> My command:

> config_dumper single35t_gen.root

> Which gives the same old output as before (no services)

> I also tried:

> config_dumper -S single35t_gen.root

> but got only this as output:

```
TrivialFileTransfer: {
}

TrivialFileDelivery: {
}
```

```
LBNEGeometryHelper: {
}
```

Same with

```
config_dumper —services single35t_gen.root
```

I am expecting one or more lines that specify the gdml file used to simulate the event. And lots of other services config parameters.

Tom

This problem has been duplicated in 1.10.00b.

As a workaround, please use config_dumper -P to see the information you need.

#3 - 08/19/2014 08:52 PM - Christopher Green

- Status changed from Assigned to Resolved

- % Done changed from 0 to 100

This problem was due to the fact that parameter set labels are not attached to the parameter sets themselves, and the service_type generated parameter was not added to the set until after the set had been saved in the registry.

The service_type parameter is now added to service configuration sets at configuratoin post-processing time, analogous to module_type for module parameter sets.

Fixed with 1542c7a.

#4 - 08/20/2014 09:16 AM - Christopher Green

It should be noted that this is a fix for files generated going forward. For existing files, the previously mentioned workaround is the only available measure.

#5 - 09/03/2014 09:26 AM - Christopher Green

- Status changed from Resolved to Closed