Libprelude - Bug #116

libprelude modifies argv value which causes SIGHUP to malfunction

12/19/2005 06:00 AM -

Status:	Closed		**Start date:**	
Priority:	Urgent		**Due date:**	
Assignee:	Yoann VANDOORSELAERE		**% Done:**	0%
Category:			**Estimated time:**	0.00 hour
Target version:	0.9.2			
Resolution:	fixed			

Description

Problems

Sighup hander does not function properly because libprelude (prelude-option.c) modifies argv values. The details are as follow:

- parse_argument() called reorder_argv() which removes option values from argv.
- It causes sighup handler functions in prelude-manager (preldue-manager-0.9.1/src/prelude-manager.c:restart_manager()) and prelude-lml (prelude-lml-0.9.1/src/prelude-lml.c:handle_sighup_if_needed()) to malfunction.
- When the program is started, the global_argv, which is the value after parse_argument(), is assigned. Therefore, when SIGHUP is received, both prelude-manager and prelude-lml will not be executed with the same parameters when they first started.
- Example:
  - Executing prelude-lml with these parameters "prelude-lml --text-output lml-alert.log"
  - After receiving SIGHUP, prelude-lml is executed with the parameters "prelude-lml lml-alert.log" (--text-output is removed by reorder_argv() function)

Solutions

1. Do not call reorder_argv in libprelude/src/prelude-option.c or

2. Make a copy of argv in prelude-lml and prelude-manager and pass the copy to execvp() instead of global_argv

History

#1 - 12/20/2005 06:19 PM - Yoann VANDOORSELAERE

- Status changed from New to Assigned

#2 - 01/02/2006 10:31 PM - Yoann VANDOORSELAERE

Experimental patch attached. Could you please try and report whether it break things or solve your issues with existing Prelude module ?

#3 - 01/05/2006 01:40 AM - Yoann VANDOORSELAERE

- Status changed from Assigned to Closed

- Resolution set to fixed

Fixed in r7562

#4 - 04/29/2009 12:26 PM - Yoann VANDOORSELAERE

- Project changed from PRELUDE SIEM to Libprelude

- Category deleted (1)

- Target version deleted (0.9.2)

Files

prelude-option.diff		6.32 KB	01/02/2006	Yoann VANDOORSELAERE