# Libprelude - Bug #116

## libprelude modifies argv value which causes SIGHUP to malfunction

12/19/2005 06:00 AM -

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|---|---|---|---|
| **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 |