

## C Instrumentation Framework - Feature #3465

### Loop head macros support

09/20/2012 04:49 PM - Mikhail Mandrykin

<b>Status:</b>	Open	<b>Start date:</b>	09/20/2012
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Evgeny Novikov	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Published in build:</b>			

#### Description

There are some marco definitions intended for some specific list or queue traverses. For instance,

```
#define skb_queue_walk_safe(queue, skb, tmp) \
    for (skb = (queue)->next, tmp = skb->next; \
         skb != (struct sk_buff *) (queue); \
         skb = tmp, tmp = skb->next)
```

It's desirable sometimes to have some instructions executed at each iteration of such loops. Here, for example, this macro enables us to detect assignments to skb variable which is useful in checking for double skb deallocations.

```
skb_queue_walk_safe(tx_skb_queue, skb, tmp) {
    if (...) {
        ...
        kfree_skb(skb);
    }
}
```

#### History

##### #1 - 09/20/2012 04:50 PM - Mikhail Mandrykin

- Description updated

##### #2 - 09/21/2012 11:16 AM - Evgeny Novikov

- Status changed from New to Open

- Assignee set to Evgeny Novikov

Rather interesting feature of Aspectator, but it has low priority now.