

## DragonFlyBSD - Bug #2898

### HAMMER panic

04/06/2016 12:52 AM - pavalos

<b>Status:</b>	New	<b>Start date:</b>	04/06/2016
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
<p>panic: assertion "(RB_EMPTY(&amp;ip-&gt;rec_tree) &amp;&amp; (ip-&gt;flags &amp; HAMMER_INODE_XDIRTY) == 0)    (!RB_EMPTY(&amp;ip-&gt;rec_tree) &amp;&amp; (ip-&gt;flags &amp; HAMMER_INODE_XDIRTY) != 0)" failed in hammer_flush_inode_done at /usr/src/sys/vfs/hammer/hammer_inode.c:2577 cpuid = 0 Trace beginning at frame 0xfffffe78639e910 panic() at panic+0x261 0xfffffff802e31ee panic() at panic+0x261 0xfffffff802e31ee hammer_flush_inode_done() at hammer_flush_inode_done+0x111 0xfffffff80424e68 hammer_flusher_flush_inode() at hammer_flusher_flush_inode+0x7a 0xfffffff8041f24a hammer_fls_rb_tree_RB_SCAN() at hammer_fls_rb_tree_RB_SCAN+0xfc 0xfffffff8041e39e hammer_flusher_slave_thread() at hammer_flusher_slave_thread+0x7a 0xfffffff8041e4d2</p> <p>DragonFly ylem.theshell.com 4.5-DEVELOPMENT DragonFly v4.5.0.681.g2e03c8-DEVELOPMENT #2: Sat Mar 19 15:37:05 PDT 2016 <a href="mailto:root@ylem.theshell.com">root@ylem.theshell.com</a>:/usr/obj/usr/src/sys/YLEM64 x86_64</p> <p>It didn't crash dump—any ideas?</p> <p>Peter</p>			

### History

#### #1 - 04/06/2016 03:17 AM - tkusumi

i'm suspecting a possible race here, but need to look into more details.  
no one has really touched related code since 4.4.

```
hammer_rel_mem_record()
> 412         if (record->flags & HAMMER_REC_F_ONRBRTREE) {
> 413             RB_REMOVE(hammer_rec_rb_tree,
> 414                 &ip->rec_tree,
> 415                 record);
> 416             record->flags &= ~HAMMER_REC_F_ONRBRTREE;
> 417             KKASSERT(ip->rsv_recs > 0);
> 418             if (RB_EMPTY(&ip->rec_tree)) {
> 419                 ip->flags &= ~HAMMER_INODE_XDIRTY;
> 420                 ip->sync_flags &= ~HAMMER_INODE_XDIRTY;
> 421             }
```