

# [PATCH 04/14] page-replace-activate\_page.patch

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08495.html>

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  - *Date:* Fri, 30 Dec 2005 23:40:54 +0100
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page-replace interface function:  
page\_replace\_activate()

This function will modify the page state for a reference action.

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include/linux/mm\_page\_replace.h | 4 ++++  
mm/vmscan.c | 3 ++-  
2 files changed, 6 insertions(+), 1 deletion(-)

Index: linux-2.6-git/include/linux/mm\_page\_replace.h

```
=====  
--- linux-2.6-git.orig/include/linux/mm_page_replace.h 2005-12-10 17:13:56.000000000 +0100  
+++ linux-2.6-git/include/linux/mm_page_replace.h 2005-12-10 18:19:30.000000000 +0100  
@@ -7,6 +7,10 @@  
#include <linux/mm.h>
```

```
void __page_replace_insert(struct zone *, struct page *);  
+static inline void page_replace_activate(struct page *page)  
+{  
+ SetPageActive(page);  
+}
```

```
#endif /* __KERNEL__ */  
#endif /* _LINUX_MM_PAGE_REPLACE_H */
```

Index: linux-2.6-git/mm/vmscan.c

```
=====  
--- linux-2.6-git.orig/mm/vmscan.c 2005-12-10 17:13:57.000000000 +0100  
+++ linux-2.6-git/mm/vmscan.c 2005-12-10 18:19:34.000000000 +0100  
@@ -33,6 +33,7 @@  
#include <linux/cpuset.h>  
#include <linux/notifier.h>  
#include <linux/rwsem.h>  
+#include <linux/mm_page_replace.h>
```

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```
#include <asm/tlbflush.h>
#include <asm/div64.h>
@@ -573,7 +574,7 @@ static int shrink_list(struct list_head
```

```
switch(try_pageout(page, sc)) {
case PAGEOUT_ACTIVATE:
- SetPageActive(page);
+ page_replace_activate(page);
pgactivate++;
/* fall through */
case PAGEOUT_KEEP:
-
```

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• **References:**

- ◆ [\[PATCH\] vm: page-replace and clockpro](#)  
    ◆ From: Peter Zijlstra

- Prev by Date: [\[PATCH 2/9\] clockpro-nonresident-del.patch](#)
- Next by Date: [\[PATCH 06/14\] page-replace-move-macros.patch](#)
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