

# [PATCH 10/14]

## page-replace-remove-mm\_inline.patch

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*Source:* <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-12/msg08481.html>

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  - *Date:* Fri, 30 Dec 2005 23:41:54 +0100
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Move the few mm\_inline function to the new files.

Signed-off-by: Peter Zijlstra <a.p.zijlstra@xxxxxxxxxx>

include/linux/mm\_inline.h | 40 -----  
include/linux/mm\_page\_replace.h | 33 +++++++++++++++++++++++++++++++++++++  
mm/page\_replace.c | 7 ++++++-  
mm/swap.c | 1 -  
mm/vmscan.c | 1 -  
5 files changed, 39 insertions(+), 43 deletions(-)

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

```
=====
--- linux-2.6-git.orig/include/linux/mm_inline.h
+++ /dev/null
@@ -1,40 +0,0 @@
-
-static inline void
-add_page_to_active_list(struct zone *zone, struct page *page)
-{
- list_add(&page->lru, &zone->active_list);
- zone->nr_active++;
-}
-
-static inline void
-add_page_to_inactive_list(struct zone *zone, struct page *page)
-{
- list_add(&page->lru, &zone->inactive_list);
- zone->nr_inactive++;
-}
-
-static inline void
-del_page_from_active_list(struct zone *zone, struct page *page)
-{
- list_del(&page->lru);

```

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```
- zone->nr_active--;  
-}  
-  
-static inline void  
-del_page_from_inactive_list(struct zone *zone, struct page *page)  
-  
- {  
- list_del(&page->lru);  
- zone->nr_inactive--;  
- }  
-  
-static inline void  
-del_page_from_lru(struct zone *zone, struct page *page)  
-  
- {  
- list_del(&page->lru);  
- if (PageActive(page)) {  
- ClearPageActive(page);  
- zone->nr_active--;  
- } else {  
- zone->nr_inactive--;  
- }  
- }
```

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

```
=====  
--- linux-2.6-git.orig/include/linux/mm_page_replace.h  
+++ linux-2.6-git/include/linux/mm_page_replace.h  
@@ -47,5 +47,38 @@ void page_replace_reinsert(struct zone *  
  
int isolate_lru_pages(int, struct list_head *, struct list_head *, int *);  
  
+static inline void  
+add_page_to_active_list(struct zone *zone, struct page *page)  
+  
+ {  
+ list_add(&page->lru, &zone->active_list);  
+ zone->nr_active++;  
+ }  
+  
+static inline void  
+del_page_from_active_list(struct zone *zone, struct page *page)  
+  
+ {  
+ list_del(&page->lru);  
+ zone->nr_active--;  
+ }  
+  
+static inline void  
+del_page_from_inactive_list(struct zone *zone, struct page *page)  
+  
+ {  
+ list_del(&page->lru);  
+ zone->nr_inactive--;  
+ }  
+  
+static inline void
```

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```
+del_page_from_lru(struct zone *zone, struct page *page)
+{
+ list_del(&page->lru);
+ if (PageActive(page)) {
+ ClearPageActive(page);
+ zone->nr_active--;
+ } else {
+ zone->nr_inactive--;
+ }
+}
+
```

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

Index: linux-2.6-git/mm/page\_replace.c

----- linux-2.6-git.orig/mm/page\_replace.c

+++ linux-2.6-git/mm/page\_replace.c

@@ -1,8 +1,13 @@

#include <linux/mm\_page\_replace.h>

‑#include <linux/mm\_inline.h>

#include <linux/swap.h>

#include <linux/pagevec.h>

+static inline void

+add\_page\_to\_inactive\_list(struct zone \*zone, struct page \*page)

+{

+ list\_add(&page->lru, &zone->inactive\_list);

+ zone->nr\_inactive++;

+}

void \_\_page\_replace\_insert(struct zone \*zone, struct page \*page)

{

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

----- linux-2.6-git.orig/mm/swap.c

+++ linux-2.6-git/mm/swap.c

@@ -22,7 +22,6 @@

#include <linux/pagevec.h>

#include <linux/init.h>

#include <linux/module.h>

‑#include <linux/mm\_inline.h>

#include <linux/buffer\_head.h> /\* for try\_to\_release\_page() \*/

#include <linux/module.h>

#include <linux/percpu\_counter.h>

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

----- linux-2.6-git.orig/mm/vmscan.c

+++ linux-2.6-git/mm/vmscan.c

@@ -24,7 +24,6 @@

#include <linux/blkdev.h>

#include <linux/buffer\_head.h> /\* for try\_to\_release\_page(),

```
buffer_heads_over_limit */
#include <linux/mm_inline.h>
#include <linux/pagevec.h>
#include <linux/backing-dev.h>
#include <linux/rmap.h>
-
```

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- **References:**

- ◆ **[PATCH] vm: page-replace and clockpro**  
    ◇ From: Peter Zijlstra

- Prev by Date: **[PATCH 02/14] page-replace-try\_pageout.patch**
- Next by Date: **[PATCH 05/14] page-replace-remove-loop.patch**
- Previous by thread: **[PATCH 02/14] page-replace-try\_pageout.patch**
- Next by thread: **[PATCH 05/14] page-replace-remove-loop.patch**
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