NAME

ost::SharedMemPager −

The shared mempager uses a mutex to protect key access methods.

SYNOPSIS

`#include <misc.h>`

Inherits **ost::MemPager**, and **ost::Mutex**.

Protected Member Functions

SharedMemPager (size_t pagesize=4096, const char *name=NULL)
Create a mempager mutex pool.

void **purge** (void)
Purge the memory pool while locked.

void * **first** (size_t size)
Get the first memory page after locking.

void * **alloc** (size_t size)
Get the last memory page after locking.

Detailed Description

The shared mempager uses a mutex to protect key access methods.

This class is used when a mempager will be shared by multiple threads.

Author:
David Sugar <dyfet AT ostel DOT com> mutex protected memory pager.

Constructor & Destructor Documentation

ost::SharedMemPager::SharedMemPager (size_t pagesize = `4096`**, const char * name** = `NULL`**)** `[protected]`

Create a mempager mutex pool. **Parameters:**
pagesize page size for allocation.
name a name for the pool.

Member Function Documentation

void* ost::SharedMemPager::alloc (size_t size) `[protected, virtual]`

Get the last memory page after locking. **Returns:**
allocated memory space.

Parameters:
size of request.

Reimplemented from **ost::MemPager**.

void* ost::SharedMemPager::first (size_t size) `[protected, virtual]`

Get the first memory page after locking. **Returns:**
allocated memory space.

Parameters:
size of request.

Reimplemented from **ost::MemPager**.

void ost::SharedMemPager::purge (void) `[protected]`

Purge the memory pool while locked.

Reimplemented from **ost::MemPager**.

Author

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