

```

pgd_idx = pgd_index(PAGE_OFFSET); /* 3 */
for (i=0; i<pgd_idx; i++)
    set_pgd(swapper_pg_dir + i, __pgd(__pa(empty_zero_page) + 0x001));
    /* 0x001 == Present */
pgd = swapper_pg_dir + pgd_idx;
phys_addr = 0x00000000;
for (; i<PTRS_PER_PGD; ++i, ++pgd) {
    pmd = (pmd_t *) alloc_bootmem_low_pages(PAGE_SIZE);
    set_pgd(pgd, __pgd(__pa(pmd) | 0x001)); /* 0x001 == Present */
    if (phys_addr < max_low_pfn * PAGE_SIZE)
        for (j=0; j < PTRS_PER_PMD /* 512 */
            && phys_addr < max_low_pfn*PAGE_SIZE; ++j) {
            set_pmd(pmd, __pmd(phys_addr | pgprot_val(__pgprot(0x1e3))));
            /* 0x1e3 == Present, Accessed, Dirty, Read/Write,
               Page Size, Global */
            phys_addr += PTRS_PER_PTE * PAGE_SIZE; /* 0x200000 */
        }
    }
swapper_pg_dir[0] = swapper_pg_dir[pgd_idx];

```