Uaccess

A2

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目 录

第1章　Checkpoint1

1.1 Result

When I run make run, the result is as follows:

```
[INFO  0,-1] load_init_app: load init proc init
[INFO  0,-1] bootcpu_init: start scheduler!
init: starting sh
sh >> test_uaccess 1
-> checkpoint 1 passed
sh > child 3 exit with code 0
sh >>
```

When I run make runsmp, the result is as follows:

```
[INFO  3,-1] secondarycpu_init: start scheduler!
[INFO  2,-1] secondarycpu_init: start scheduler!
init: starting sh
sh >> test_uaccess 1
-> checkpoint 1 passed
sh > child 3 exit with code 0
sh >>
```

第2章　Checkpoint2

2.1　Result

I handle the Page Fault and than I run make run, the result is as follows:

```
[INFO  0,-1] load_init_app: load init proc init
[INFO  0,-1] bootcpu_init: start scheduler!
init: starting sh
sh >> test_uaccess 2
test write
-> checkpoint 2 passed
sh > child 3 exit with code 0
```

第3章　　Checkpoint3

3.1　Result

```
init: starting sh
sh >> test_uaccess 3
-> kernel secret addr: 0xFFFFFFFF8020E0D8
-> Your copy_from_user should not leak kernel data
-> checkpoint 3 passed
sh > child 3 exit with code 0
```

第4章　Checkpoint 4

4.1 Result

```
[INFO  0,-1] load_init_app: load init proc init
[INFO  0,-1] bootcpu_init: start scheduler!
init: starting sh
sh >> test_uaccess 4
-> checkpoint 4 passed
sh > child 3 exit with code 0
```

第5章　Conclusion

I finish this task using about 7 hours and ask teacher for help.