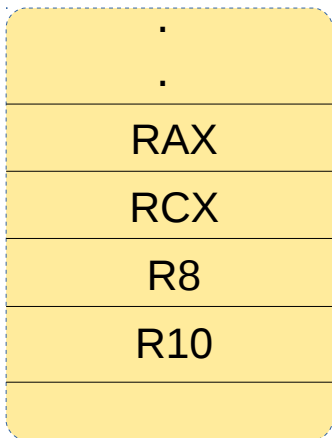
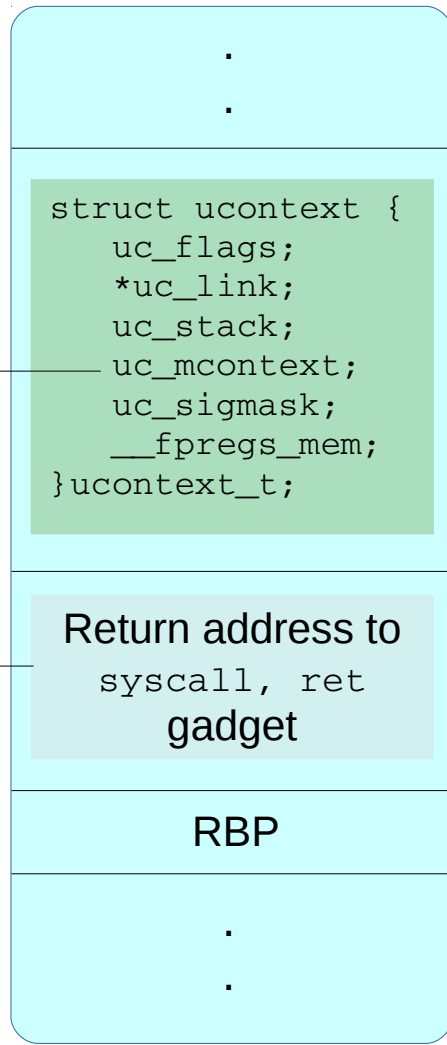
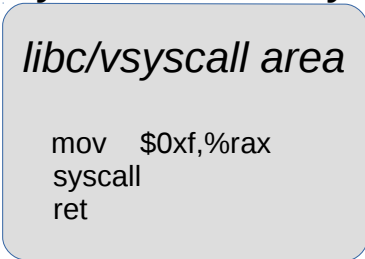


User-space stack



System Memory



Setup a fake
ucontext
structure

Attempt
overflow to
change return
address to
gadget

Current
stack frame

Shell
_

Exploit code

```
mov    %rax,0x200b36(%rip)
mov    0x200a4c(%rip),%rax
mov    $0x601050,%eax
mov    %rax,0x200ad9(%rip)
lea    -0x8(%rbp),%rax
mov    $0x400687,%edx
add    $0x4,%edx
add    $0x4,%eax
```