

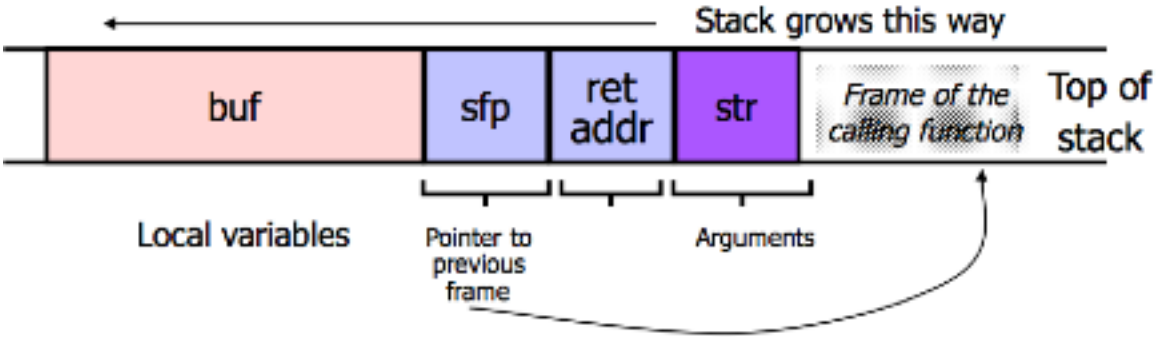
stackexchange



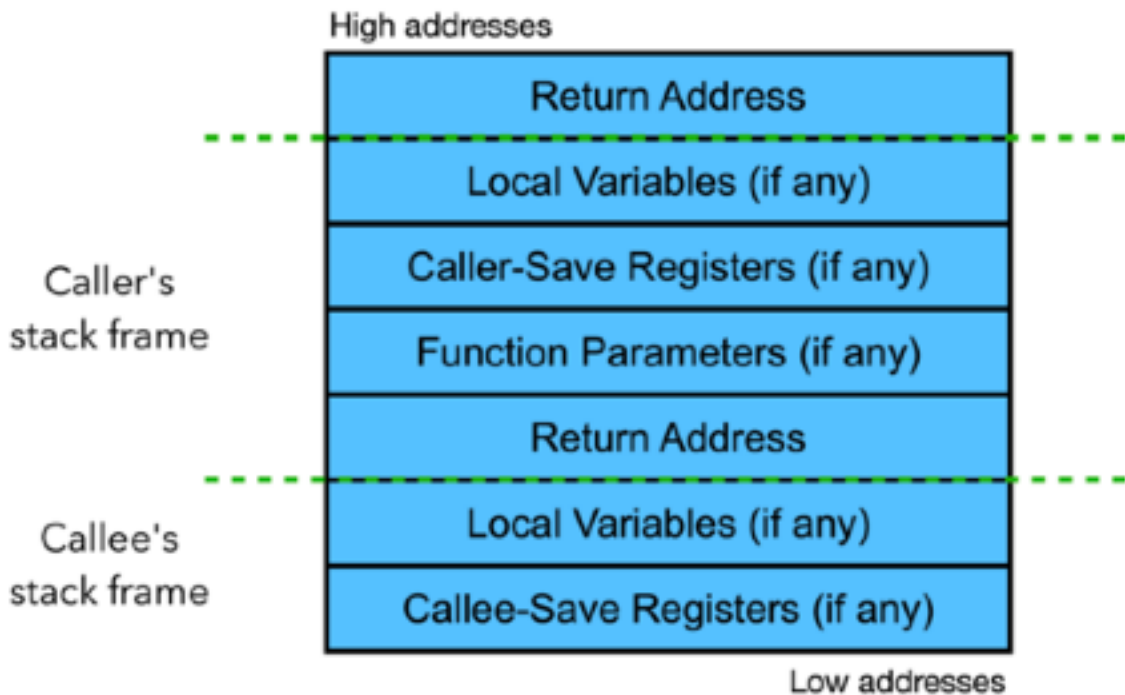
Allocate local buffer
(126 bytes in the
stack)



Copy argument into
local buffer



```
void func(char *str) {  
    char buf[126];  
    strcpy(buf, str);  
}
```



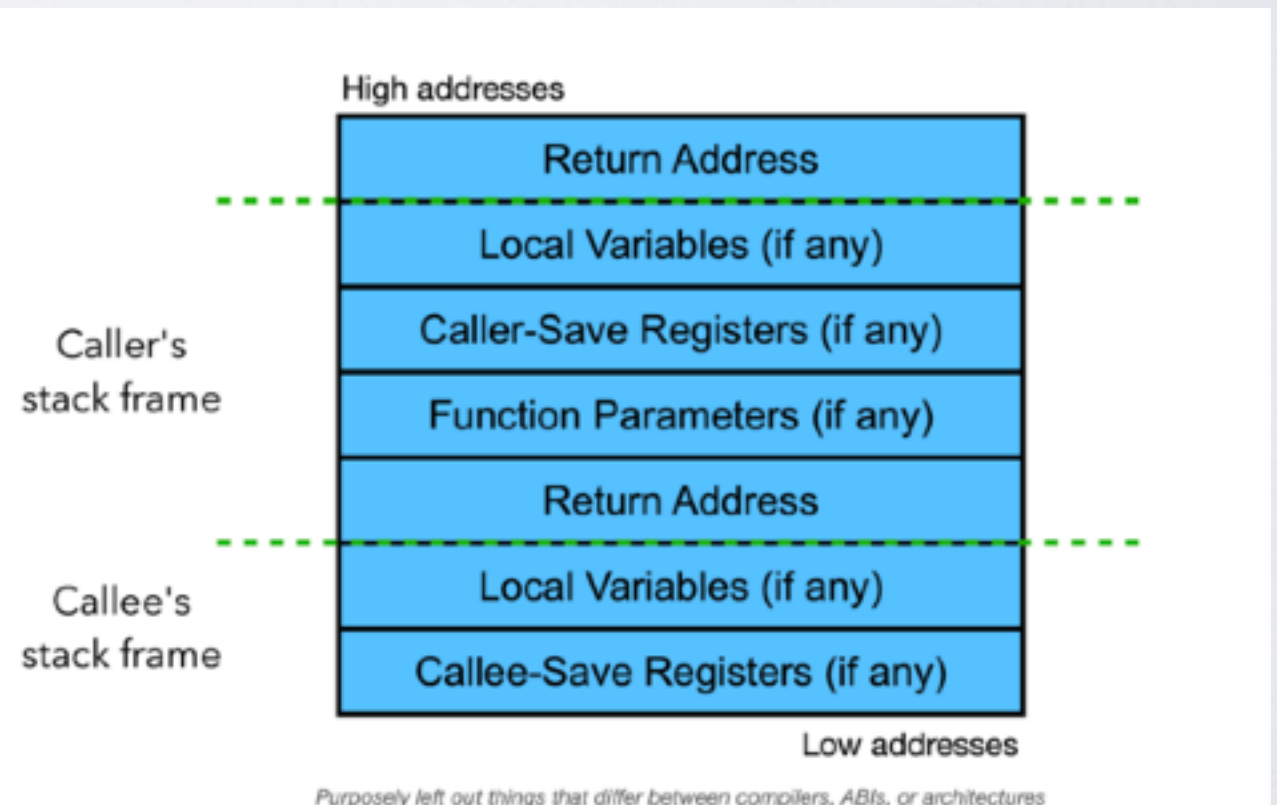
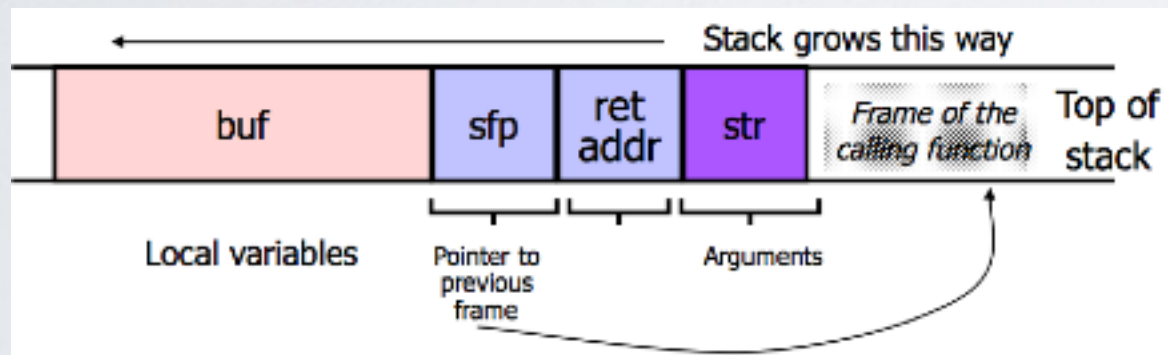
Purposely left out things that differ between compilers, ABIs, or architectures

StackMemoryDiagramConventions, \u1001, st2.fyi, 2022

Stack execution

```
void func(char *str) {  
    char buf[126];  
    strcpy(buf, str);  
}
```

Copy argument into
local buffer



What if the buffer is overstuffed?

strcpy **does not check** whether the string at *str contains fewer than 126 characters ...

