

System calls

System calls are what allow user applications to request services from the operating system's kernel.

--They serve as the interface between running program and the operating system, enabling applications to perform various functions

The system call for BACKBOX LINUX OPERATING SYSTEM

```
#include <stdio.h>
```

```
#include <unistd.h>
```

```
#include <sys/syscall.h>
```

```
#define SYS_my_syscall 333 // Assign a valid syscall number
```

```
int main() {
```

```
    int input = 42;
```

```
    long result = syscall(SYS_my_syscall, input);
```

```
    printf("System call returned: %ld\n", result);
```

```
    return 0;
```

```
}
```