

dup2()

The `dup2()` function creates a new file descriptor pointing to the same file as the original, and allows to specify the new descriptor number. If the new descriptor number is already open, it is silently closed first.

It's defined in the "unistd.h" system header.

```
#include <unistd.h>

// "oldfd" is the source descriptor to duplicate
// "newfd" is the target descriptor number
int dup2(int oldfd, int newfd);
```

Returns "newfd" on success. In case of failure, returns -1 and sets "errno".

Example Usage

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

int main(void)
{
    int fd;

    fd = open("output.txt", O_WRONLY | O_CREAT, 0644);
    if (fd == -1)
    {
        perror("open");
        return (1);
    }
    dup2(fd, STDOUT_FILENO);
    printf("This goes to output.txt!\n");
    close(fd);
    return (0);
}
```