

```
do_sys_open()
```

```
    return do_sys_openat2(dfd, filename, &how);
```

```
do_sys_openat2(int dfd, const char __user *filename,  
               struct open_how *how)
```

```
    int fd = build_open_flags(how, &op);
```

```
    fd = get_unused_fd_flags(how->flags);
```

```
    struct file *f = do_filp_open(dfd, tmp, &op);
```

```
do_filp_open(int dfd, struct filename *pathname,  
             const struct open_flags *op)
```

```
{
```

```
    set_nameidata(&nd, dfd, pathname, NULL);
```

```
    filp = path_openat(&nd, op, flags, ...)
```

```
    restore_nameidata();
```

```
    return filp;
```

```
}
```