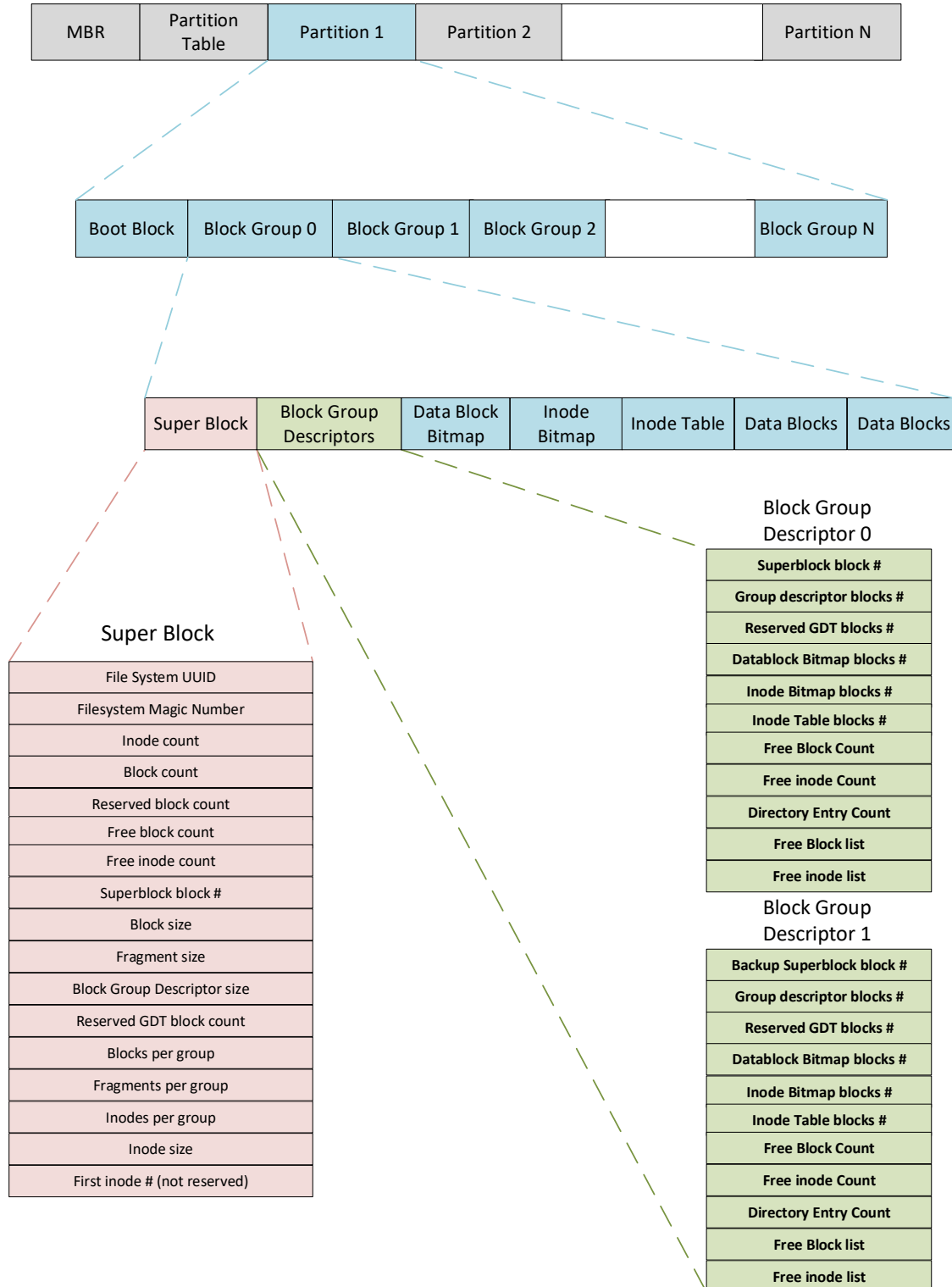
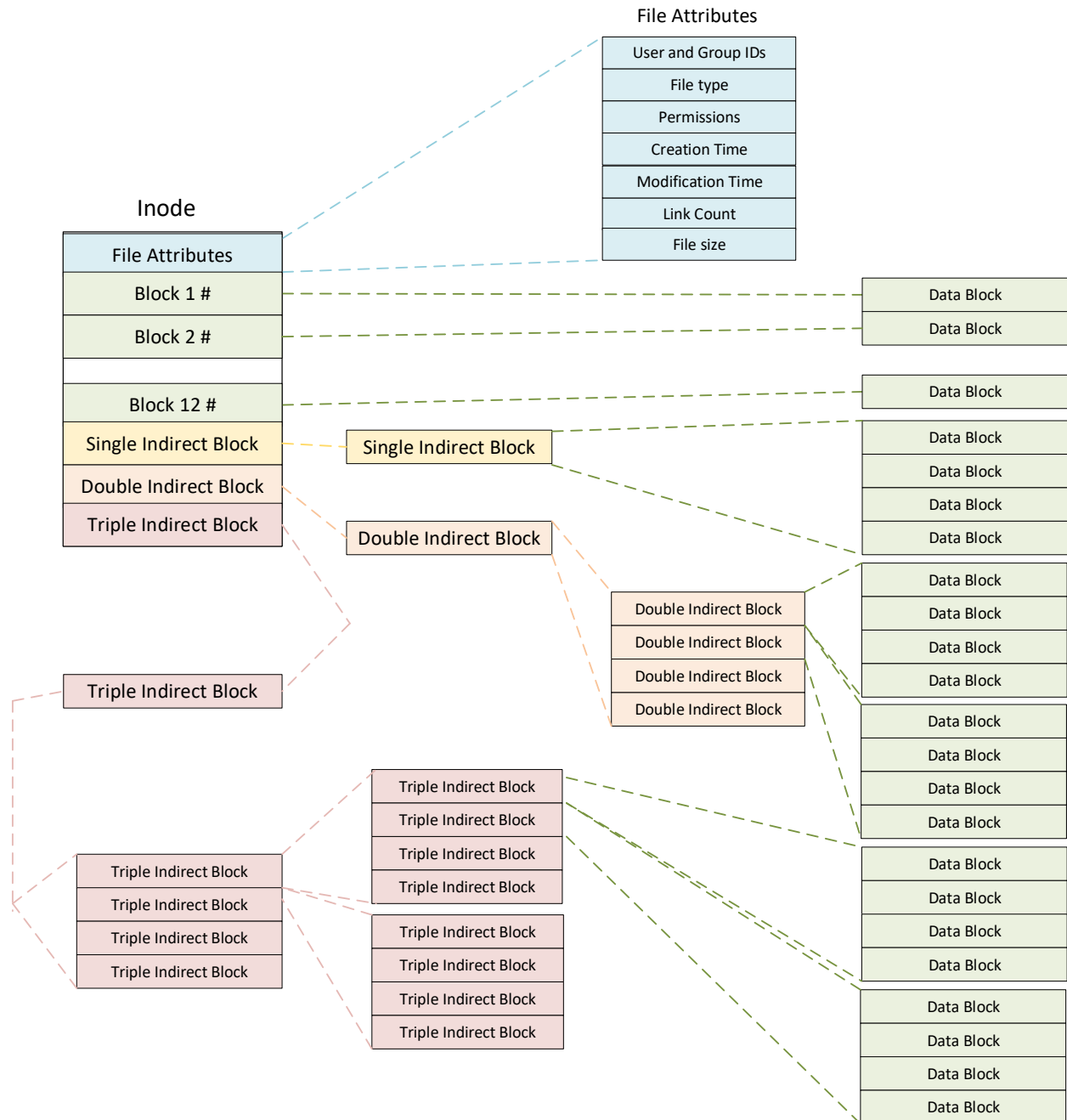


# LINUX FILE SYSTEM



# LINUX FILE SYSTEM

## Inode Structure

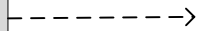


# LINUX FILE SYSTEM

## Inode and Directory Entries

Directory Entries

|        | Inode # | Directory/File Name |
|--------|---------|---------------------|
| root   | 2       | /                   |
| stdin  | 9287    | /dev/stdin          |
| stdout | 9288    | /dev/stdout         |
| stderr | 9289    | /dev/stderr         |
|        |         |                     |
|        |         |                     |

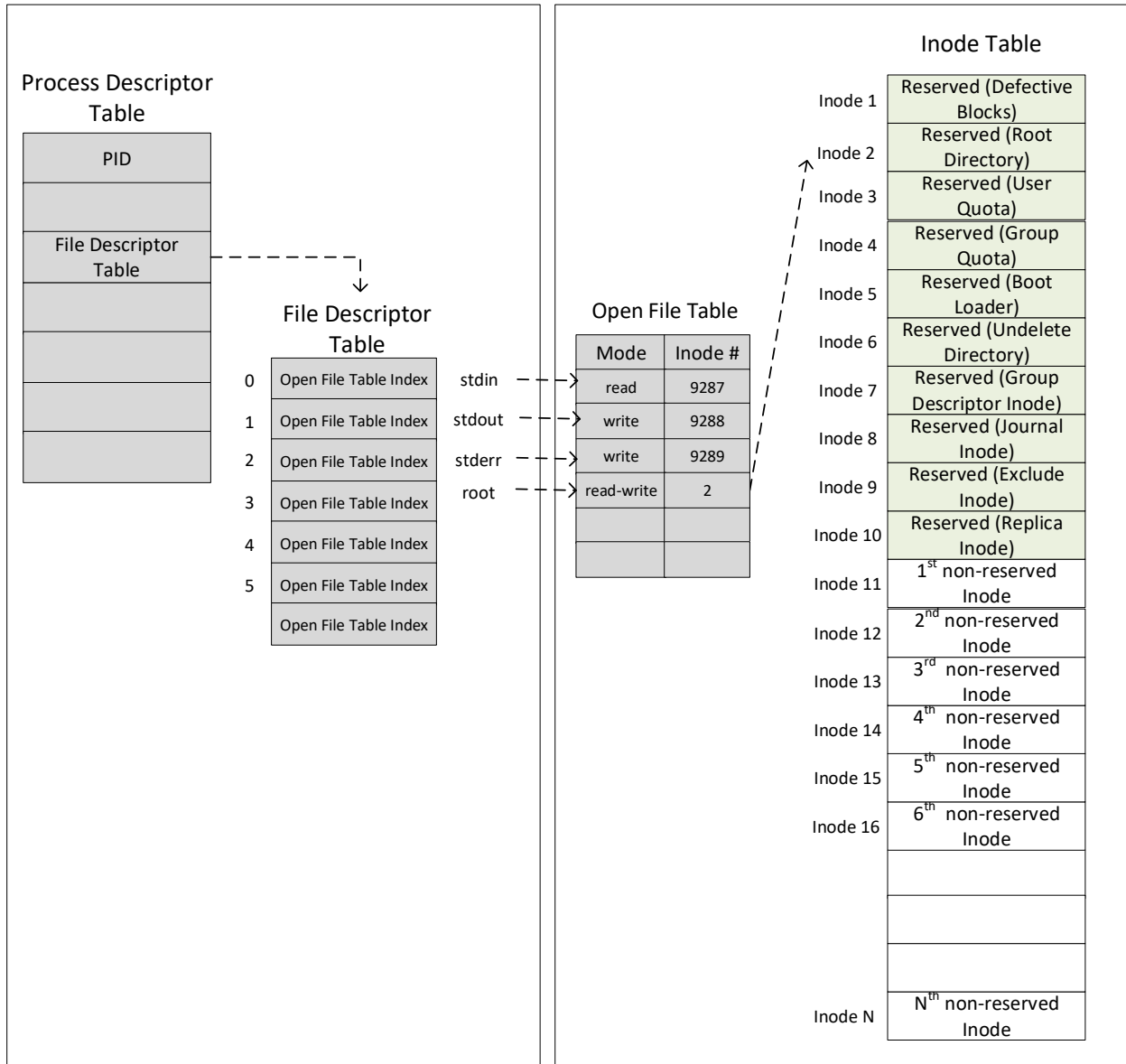


Inode Table

|          |                                    |
|----------|------------------------------------|
| Inode 1  | Reserved (Defective Blocks)        |
| Inode 2  | Reserved (Root Directory)          |
| Inode 3  | Reserved (User Quota)              |
| Inode 4  | Reserved (Group Quota)             |
| Inode 5  | Reserved (Boot Loader)             |
| Inode 6  | Reserved (Undelete Directory)      |
| Inode 7  | Reserved (Group Descriptor Inode)  |
| Inode 8  | Reserved (Journal Inode)           |
| Inode 9  | Reserved (Exclude Inode)           |
| Inode 10 | Reserved (Replica Inode)           |
| Inode 11 | 1 <sup>st</sup> non-reserved Inode |
| Inode 12 | 2 <sup>nd</sup> non-reserved Inode |
| Inode 13 | 3 <sup>rd</sup> non-reserved Inode |
| Inode 14 | 4 <sup>th</sup> non-reserved Inode |
| Inode 15 | 5 <sup>th</sup> non-reserved Inode |
| Inode 16 | 6 <sup>th</sup> non-reserved Inode |
|          |                                    |
|          |                                    |
|          |                                    |
| Inode N  | N <sup>th</sup> non-reserved Inode |

# LINUX FILE SYSTEM

## File Descriptor Table & Open File Table



Per Process Local

System Wide Global