Nama : fajar gunawan

Nrp : 1151700010

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Alokasi host dengan metode VLSM (192.160.224.0/24) | | | | | | | | |
| SA = 120 host | |  |  |  |  |  |  |  |
| SB = 32 host | |  |  |  |  |  |  |  |
| SC = 30 host | |  |  |  |  |  |  |  |
| SD = 8 host | |  |  |  |  |  |  |  |
| SE = 2 host | |  |  |  |  |  |  |  |
| **Subnet** | **Alamat subnet** | **Host awal** | **Host akhir** | **Broadcast** |  |  |  |  |
| SA | 192.160.224.0/25 | 192.160.224.1/25 | 192.160.224.126/25 | 192.160.224.127/25 |  |  |  |  |
| SB | 192.160.224.128/26 | 192.160.224.129/26 | 192.160.224.190/26 | 192.160.224.191/26 |  |  |  |  |
| SC | 192.160.224.192/27 | 192.160.224.193/27 | 192.160.224.222/27 | 192.160.224.223/27 |  |  |  |  |
| SD | 192.160.224.224/28 | 192.160.224.225/28 | 192.160.224.238/28 | 192.160.224.239/28 |  |  |  |  |
| SE | 192.160.224.240/30 | 192.160.224.241/30 | 192.160.224.242/30 | 192.160.224.243/30 |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **SA** | **SB** | **SC** | **SD** | **SE** |  |  |  |  |
| 120 <= (2^7) -2 | 32 <= (2^6) -2 | 30 <= (2^5) -2 | 8 <= (2^4) -2 | 2 <= (2^2) -2 |  |  |  |  |
| 120 <= 128 - 2 | 32 <= 64-2 | 30 <= 32-2 | 8 <= 16-2 | 2 <= 4-2 |  |  |  |  |
| 120 <= 126 | 32 <= 62 | 30 <= 30 | 8 <= 14 | 2 <= 2 |  |  |  |  |
| 255.255.255.128 | 255.255.255.192 | 255.255.255.224 | 255.255.255.240 | 255.255.255.252 |  |  |  |  |
| /25 | /26 | /27 | /28 | /30 |  |  |  |  |

|  |  |
| --- | --- |
| **Prefix** | **Interface** |
| 192.160.224.0/25 | Fa 0/0 |
| 192.160.224.224/28 | Fa 0/1 |
| 192.160.224.240/30 | S 0/0/0 |