|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Device Name | Interface | Connect With | Interface | User Count | Remark |  |
| R-01 | Gig 0/0/0 | SW-01 | Gig 0/1 | User 200 |  |  |
| Gig 0/0/1 | SW-02 | Gig 0/1 | User 20 |  |  |
| Serial 0/1/0 | R-02 | Serial 0/1/0 | User 02 | DTE |  |
| R-02 | Serial 0/1/0 | R-01 | Serial 0/1/0 |  | DCE |  |
| Serial 0/1/1 | R-03 | Serial 0/1/1 |  | DCE |  |
| Serial 0/2/0 | R-04 | Serial 0/2/0 |  | DCE |  |
| Serial 0/2/1 | R-05 | Serial 0/2/1 |  | DCE |  |
| R-03 | Gig 0/0/0 | SW-03 | Gig 0/1 | User 500 |  |  |
| Gig 0/0/1 | SW-04 | Gig 0/1 | User 100 |  |  |
| Serial 0/1/1 | R-02 | Serial 0/1/1 | User 02 | DTE |  |
| R-04 | Gig 0/0/0 | SW-05 | Gig 0/1 | User 60 |  |  |
| Gig 0/0/1 | SW-06 | Gig 0/1 | User 10 |  |  |
| Serial 0/2/0 | R-02 | Serial 0/2/0 | User 02 | DTE |  |
| R-05 | Gig 0/0/0 | SW-07 | Gig 0/1 | User 120 |  |  |
| Gig 0/0/1 | SW-08 | Gig 0/1 | User 210 |  |  |
| Serial 0/2/1 | R-02 | Serial 0/2/1 | User 02 | DTE |  |
| Amanda PC | Fa 0 | SW-01 | Fa 0/1 |  | Amanda Perera |  |
| Kasun PC | Fa 0 | SW-01 | Fa 0/2 |  | Kasun Jayakody |  |
| Dilshan PC | Fa 0 | SW-02 | Fa 0/1 |  | Dilshan Herath |  |
| Pradeep PC | Fa 0 | SW-02 | Fa 0/2 |  | Pradeep Rajapaksha |  |
| Lankika PC | Fa 0 | SW-03 | Fa 0/1 |  | Lankika Jayathunga |  |
| Prabodha PC | Fa 0 | SW-03 | Fa 0/2 |  | Prabodha Silva |  |
| Gayan PC | Fa 0 | SW-04 | Fa 0/1 |  | Gayan Samarasinghe |  |
| Visura PC | Fa 0 | SW-04 | Fa 0/2 |  | Visura Peris |  |
| Nayantha PC | Fa 0 | SW-05 | Fa 0/1 |  | Nayantha Maleesha |  |
| Udara PC | Fa 0 | SW-05 | Fa 0/2 |  | Udara Koushalya |  |
| Nadeeka PC | Fa 0 | SW-06 | Fa 0/1 |  | Nadeeka Jayasooriya |  |
| Bimal PC | Fa 0 | SW-06 | Fa 0/2 |  | Bimal Perera |  |
| Hiran PC | Fa 0 | SW-07 | Fa 0/1 |  | Hiran Peris |  |
| Lahiru PC | Fa 0 | SW-07 | Fa 0/2 |  | Lahiru Dias |  |
| Web/DHCP | Fa 0 | SW-08 | Fa 0/1 |  |  |  |
| Email/DNS | Fa 0 | SW-08 | Fa 0/2 |  |  |  |

1. Using VLSM Method and finishing IP Address . As well as every GigabytEthernet interface and Every Serial DCE Ports are using their Highest IP Address.
2. Basic Configuration
   * 1. Set date and time every network device
     2. Set banner message

############################################

This Secure Area. Please Enter Your Authentication

############################################

1. Password

Enable Secret – Your name [with @2024.lk](mailto:with@2024.lk) (First letter Capital)

Console Password – Your name with @2024.lk (Second Letter Capital)

1. VLSM Part

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SW-08 | 210 | 172.16.0.0/24 | 256 | 176.16.0.255 | 255.255.255.0 |
| SW-01 | 200 | 172.16.1.0/24 | 256 | 172.16.1.255 | 255.255.255.0 |
| SW-07 | 120 | 172.16.2.0/25 | 128 | 172.16.2.127 | 255.255.255.128 |
| SW-04 | 100 | 172.16.2.128/25 | 128 | 172.16.2.255 | 255.255.255.128 |
| SW-05 | 60 | 172.16.3.0/26 | 64 | 172.16.3.63 | 255.255.255.192 |
| SW-03 | 50 | 172.16.3.64/26 | 64 | 172.16.3.127 | 255.255.255.192 |
| SW-02 | 20 | 172.16.3.128/32 | 32 | 172.16.3.159 | 255.255.255.224 |
| SW-06 | 10 | 172.16.3.160/28 | 16 | 172.16.3.175 | 255.255.255.240 |
| R-01 > R-02 | 02 | 172.16.3.176/30 | 04 | 172.16.3.179 | 255.255.255.252 |
| R-03 > R-02 | 02 | 172.16.3.180/30 | 04 | 172.16.3.183 | 255.255.255.252 |
| R-04 > R-02 | 02 | 172.16.3.184/30 | 04 | 172.16.3.187 | 255.255.255.252 |
| R-05 > R-02 | 02 | 172.16.3.188/30 | 04 | 172.16.3.191 | 255.255.255.252 |