| **Subnet #** | **Subnet Address a.b.c.d/n** | **Number of IPs in Subnet** | **Lowest *Usable* Host Address** | **Highest *Usable* Host Address** |
| --- | --- | --- | --- | --- |
| 1 | 10.1.0.0/18 | 2 | 10.1.0.1 | 10.1.63.254 |
| 2 | 10.2.0.0/18 | 2 | 10.2.0.1 | 10.2.63.254 |
| 3 | 10.3.0.0/18 | 2 | 10.3.0.1 | 10.3.63.254 |
| 4 | 10.4.0.0/18 | 2 | 10.4.0.1 | 10.4.63.254 |
| 5 | 192.168.0.0/30 | 2 | 192.168.0.1 | 192.168.0.2 |

| **Subnet** | **Host/Interface** | **IPv4 Address (include /n)** |
| --- | --- | --- |
| 1 | Router1, Ether1 Interface | 10.1.0.1/18 |
| 2 | Router1, Ether2 Interface | 10.2.0.1/18 |
|  |  |  |  |
| 3 | Router2, Ether1 Interface | 10.3.0.1/18 |  |
| 4 | Router2, Ether2 Interface | 10.4.0.1/18 |  |
|  |  |  |  |
| 5 | Router1, Ether3 Interface | 192.168.0.1 |  |
| 5 | Router2, Ether3 Interface | 192.168.0.2 |  |
|  |  |  |  |
| N /A | Router1, Ether4 Interface | *(Varies, use DHCP from the NAT)* |  |

| **Routing Prefix (64 bits)** | **Interface ID (64 bits)** |
| --- | --- |
| xxxx:xxxx:xxxx:xxxx | xxxx:xxxx:xxxx:xxxx |

| **Subnet #** | **Routing Prefix (48 bits)** | **Subnet ID (16 bits)** | **Interface ID (64 bits)** |
| --- | --- | --- | --- |
| *Example* | 2001:0:F872 | xxxx | xxxx:xxxx:xxxx:xxxx |
| 1 | 2001:0:F872 | 0001 | 0000:8a2e:0370:7334 |
| 2 | 2001:0:F872 | 0002 | 0000:8a2e:0370:7334 |
| 3 | 2001:0:F872 | 0003 | 0000:8a2e:0370:7334 |
| 4 | 2001:0:F872 | 0004 | 0000:8a2e:0370:7334 |
| 5 | 2001:0:F872 | 0005 | 0000:8a2e:0370:7334 |

| **Subnet** | **Host/Interface** | **IPv6 Address (include /n)** |
| --- | --- | --- |
| 1 | Router1, Ether1 Interface | 2001:0000:f872:0001:0000:8a2e:0370:7334/64 |
| 2 | Router1, Ether2 Interface | 2001:0000:f872:0002:0000:8a2e:0370:7334/64 |
|  |  |  |
| 3 | Router2, Ether1 Interface | 2001:0000:f872:0003:0000:8a2e:0370:7334/64 |
| 4 | Router2, Ether2 Interface | 2001:0000:f872:0004:0000:8a2e:0370:7334/64 |
|  |  |  |
| 5 | Router1, Ether3 Interface | 2001:0000:f872:0005:0000:8a2e:0370:7334/64 |
| 5 | Router2, Ether3 Interface | 2001:0000:f872:0006:0000:8a2e:0370:7334/64 |
|  |  |  |
| N/A | Router1, Ether4 Interface | *(No address - NAT not configured for IPv6)* |