**Step 3: Ethernet Frame Structure**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Preamble | Destination Mac Address(Router) | Source MAC Address | Type/Length | Header Checksum | Bytes |
| 8 | 00:11:22:33:44:55 | 00:05:9a:3c:7a:00 | 0x0800 | 0x4d52 | 20 |

**Step 4: Scope of Ethernet Addresses**

Computer 🡨🡪 (00:11:22:33:44:55) 🡨🡪

|  |  |  |  |
| --- | --- | --- | --- |
|  | Computer | Router | Remote Server |
| Ethernet Address | 00:05:9a:3c:7a:00 | 00:11:22:33:44:55 |  |
| IP Address | 31.13.69.80 |  | 10..14.181.249 |

**Step 5: Broadcast Frames**

1. Broadcast Address (ff:ff:ff:ff:ff:ff)
2. The first 3 bits (ff)