

14 Classful Networks

15.198.78.12

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|----------------------|----------------|
| Network Class | A |
| Network Octets | 1 |
| Host Octets | 3 |
| Network Address | 15.0.0.0 |
| Broadcast Address | 15.255.255.255 |
| First Usable Address | 15.0.0.1 |
| Last Usable Address | 15.255.255.254 |

201.18.58.243

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|----------------------|---------------|
| Network Class | C |
| Network Bits | 24 |
| Host Bits | 8 |
| Network Address | 201.18.58.0 |
| Broadcast Address | 201.18.58.255 |
| First Usable Address | 201.18.58.1 |
| Last Usable Address | 201.18.58.254 |

191.255.255.255

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|----------------------|-----------------|
| Network Class | B |
| Network Octets | 2 |
| Host Octets | 2 |
| Network Address | 192.255.0.0 |
| Broadcast Address | 192.255.255.255 |
| First Usable Address | 192.255.0.1 |
| Last Usable Address | 192.255.255.254 |

221.58.12.1

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|----------------------|---------------|
| Network Class | C |
| Network Bits | 24 |
| Host Bits | 8 |
| Network Address | 221.58.12.0 |
| Broadcast Address | 221.58.12.255 |
| First Usable Address | 221.58.12.1 |
| Last Usable Address | 221.58.12.254 |

128.128.128.128

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|----------------------|-----------------|
| Network Class | B |
| Network Octets | 2 |
| Host Octets | 2 |
| Network Address | 128.128.0.0 |
| Broadcast Address | 128.128.255.255 |
| First Usable Address | 128.128.0.1 |
| Last Usable Address | 128.128.255.254 |

72.9.15.1

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|----------------------|----------------|
| Network Class | A |
| Network Bits | 8 |
| Host Bits | 24 |
| Network Address | 72.0.0.0 |
| Broadcast Address | 72.255.255.255 |
| First Usable Address | 72.0.0.1 |
| Last Usable Address | 72.255.255.254 |

| Class | First Octet | Mask | Private Range | Purpose |
|-------|-------------|---------------|-------------------------------|-----------|
| A | 1 - 126 | 255.0.0.0 | 10.0.0.0 - 10.255.255.255 | Unicast |
| B | 128 - 191 | 255.255.0.0 | 172.16.0.0 - 172.31.255.255 | Unicast |
| C | 192 - 223 | 255.255.255.0 | 192.168.0.0 - 192.168.255.255 | Unicast |
| D | 224 - 239 | none | none | Multicast |
| E | 240 - 255 | none | none | Reserved |