

IPv4 Address Plan of APNIC Lab

IPv4 Loopback Address Table

| Router | IPv4 Loopback Address |
|--------|-----------------------|
| R1 | 172.16.0.1/32 |
| R2 | 172.16.0.2/32 |
| R3 | 172.16.0.3/32 |
| R4 | 172.16.0.4/32 |
| R5 | 172.16.0.5/32 |
| R6 | 172.16.0.6/32 |
| R7 | 172.16.0.7/32 |
| R8 | 172.16.0.8/32 |
| R9 | 172.16.0.9/32 |
| R10 | 172.16.0.10/32 |
| R11 | 172.16.0.11/32 |
| R12 | 172.16.0.12/32 |

IPv4 PtP & Transport Address Table

| PtP & Transport | Address Block |
|------------------|----------------|
| R1<->R2 | 172.16.1.0/30 |
| R2<->R3 | 172.16.1.4/30 |
| R1<->R3 | 172.16.1.8/30 |
| R4<->R5 | 172.16.1.12/30 |
| R5<->R6 | 172.16.1.16/30 |
| R4<->R6 | 172.16.1.20/30 |
| R7<->R8 | 172.16.1.24/30 |
| R8<->R9 | 172.16.1.28/30 |
| R7<->R9 | 172.16.1.32/30 |
| R10<->R11 | 172.16.1.36/30 |
| R11<->R12 | 172.16.1.40/30 |
| R10<->R12 | 172.16.1.44/30 |
| Purple transport | 172.16.1.48/29 |
| Green transport | 172.16.1.56/29 |

IPv4 DataCenter Address Blocks

| DateCenter | Address Block |
|------------------------|-----------------|
| DC1 (connected to R2) | 172.16.2.0/26 |
| DC2 (connected to R5) | 172.16.2.128/26 |
| DC3 (connected to R8) | 172.16.3.0/26 |
| DC4 (connected to R11) | 172.16.3.128/26 |

IPv4 Customer WAN Link Address Blocks

| Customer WAN Link | Address Block |
|-------------------|-----------------|
| R1<->R13 | 172.16.28.0/30 |
| R3<->R14 | 172.16.28.16/30 |
| R4<->R15 | 172.16.28.4/30 |
| R6<->R16 | 172.16.28.20/30 |
| R7<->R17 | 172.16.28.8/30 |
| R9<->R18 | 172.16.28.24/30 |
| R10<->R19 | 172.16.28.12/30 |
| R12<->R20 | 172.16.28.28/30 |

IPv4 Customer Blocks

| Customer Router | Customer Block |
|-----------------|----------------|
| R13-CAR1 | 172.16.4.0/24 |
| R14-CBR1 | 172.16.5.0/24 |
| R15-CAR2 | 172.16.16.0/24 |
| R16-CBR2 | 172.16.17.0/24 |
| R17-CAR3 | 172.16.8.0/24 |
| R18-CBR3 | 172.16.9.0/24 |
| R19-CAR4 | 172.16.20.0/24 |
| R20-CBR4 | 172.16.21.0/24 |