

IPv6 Unicast (One-to-One) Addresses

Global Addresses

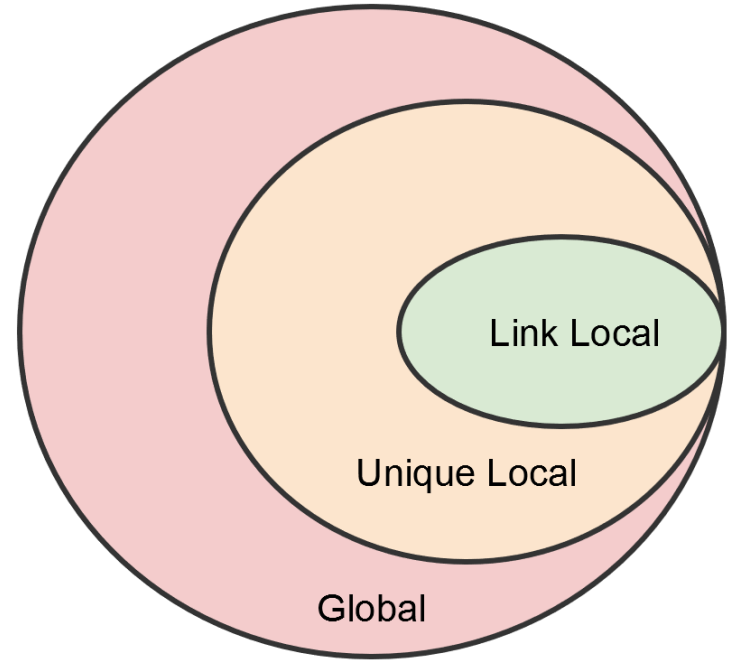
- Similar to Public IPv4 Addresses
- Globally Routable over the Internet
- 2000 Prefix

Unique Local Addresses

- Similar to Private IPv4 Addresses
- Internally routable, but not routable over the Internet.
- FC00 or FD00 Prefix

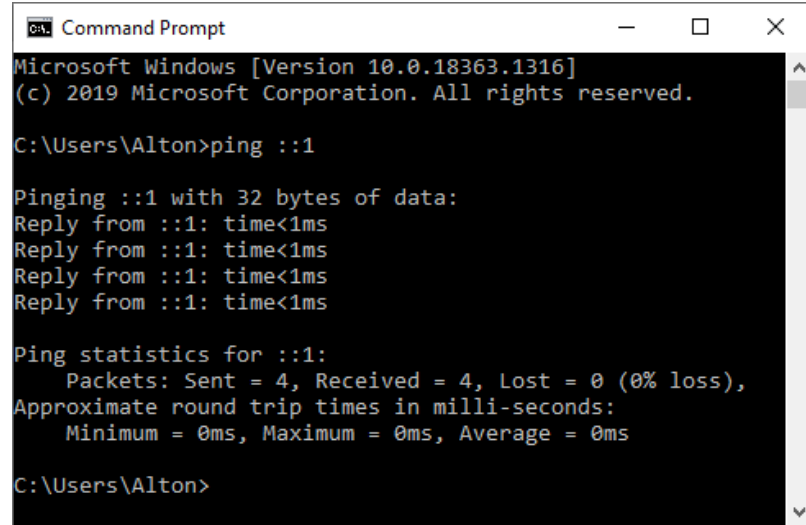
Link-Local Addresses

- IPv6 Equivalent to IPv4 APIPA Addresses
- Can be assigned automatically or statically.
- Not routable internally or over the Internet.
- FE80 Prefix



IPv6 loopback Addresses

- **Loopback Address**
 - ::1



```
Command Prompt
Microsoft Windows [Version 10.0.18363.1316]
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C:\Users\Alton>ping ::1

Pinging ::1 with 32 bytes of data:
Reply from ::1: time<1ms
Reply from ::1: time<1ms
Reply from ::1: time<1ms
Reply from ::1: time<1ms

Ping statistics for ::1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\Alton>
```