

## Overlapping CIDR Block Ranges

Two CIDR block ranges are said to be overlapping if there exists at least 1 IP address that exists in both the CIDR Block ranges.

**Example 1:** Lets consider following CIDR Block ranges:

192.168.1.23/24

192.168.1.23/16

**For** 192.168.1.23/24,

MinIP: 192.168.1.0

MaxIP: 192.168.1.255

**For** 192.168.1.23/16:

MinIP: 192.168.0.0

MaxIP: 192.168.255.255

The two CIDR block ranges are overlapping as there exists one or more IP's that exists in both CIDR blocks.

Sample: 192.168.1.12, 192.168.1.201, 192.168.1.222

**Example 2:** Lets take bit complex example, consider following ranges:

**For** 192.168.1.23/18,

MinIP : 192.168.0.0

MaxIP : 192.168.63.255

**For** 192.168.127.12/18,

MinIP: 192.168.64.0

MaxIP: 192.168.127.255

Though seem overlapping, these two do not overlap at all.