

Multiple IP Ranges PRD

Multiple IP Ranges for PODs (Non-Contiguous IP Ranges)

1 Background

Currently, in the Zone creation dialog, admins can only specify one IP address range for various traffic types. Depending on customer environment, they would want flexibility to define multiple IP Address ranges. See the table below.

2 Requirements

- Provide users with the flexibility to specify multiple non-contiguous IP Ranges.
- Functionality should be similar to other areas where multiple IP Ranges are already supported.
- The ones highlighted in Blue would be higher priority (P1) than the ones highlighted in Red (P2) as they are related to Guest IP Addresses.
- Support should be added for additional IP Ranges in the same subnet as well as a new subnet
- Example might be
 - 70.70.70.1 – 70.70.70.200, 80.80.80.1 – 80.80.80.200

Zone Type	Mgmt IP	IP Network/Range	Guest IP	Guest IP Network/Range	Public IP	Public IP Network/Range
Basic	Per POD	Single IP Range	Per POD	Single IP Range	Not needed (Public = Guest)	Same as Guest
Basic w/EIP_ELB	Per POD	Single IP Range	Per POD	Single IP Range	Per Zone	Multiple IP Ranges
Advanced	Per POD	Single IP Range	Per Network	Single CIDR	Per Zone	Multiple IP Ranges
Advanced Isolated	N/A	N/A	Per Network	Single CIDR	Per Zone	Multiple IP Ranges
Advanced Shared	N/A	N/A	Per Network	Single IP Range	Not needed (Public = Guest)	Same as Guest

3 UI / UX Requirements

- UI should be enhanced to support multiple IP Ranges and CIDR wherever API supports multiple ranges.

4 Upgrade Scenarios

Following upgrade scenarios should be supported:

- No upgrade scenarios need to be handled, as this is a new functionality.

5 Non-Requirements

- None

6 Bugs

- [JIRA Ticket 702](#)

7 Open Items

- None