**Public IP Addresses**

Internet Assigned Numbers Authority (IANA) issues public IP addresses. There are a finite number of public IP addresses available, and the number of public IP addresses is controlled at the regional level by Regional Registry Entry. Public IP addresses are used for direct communication with the Internet, and all Internet-facing applications require a public IP address.

**Private IP Addresses**

A private IP address is used only within a private network and can be reused within the internal network. Private IP addresses are isolated from the Internet and need Network Address Translation (NAT) to communicate with the Internet.