Google Cloud IP Addresses

Virtual machines and other products that use VM instances get two IP addresses.

Internal IP Address

- Allocated from a subnet range via DHCP.
- DHCP resovation is renewed every 24 hours.
- Automatically registered with a network-scoped DNS resolver.
    - FQDN: [hostname].c.[project-id].internal
    - Resolves internal and external addresses
    - You can use an alternative DNS resolver.
    - Pointer records can be published on request.

External IP Address

- Assigned from a pool (ephemeral).
- Will keep the assigned IP until the instance is stopped.
- Static is billed if in use or not.
- VM instance does not know its external IP address.