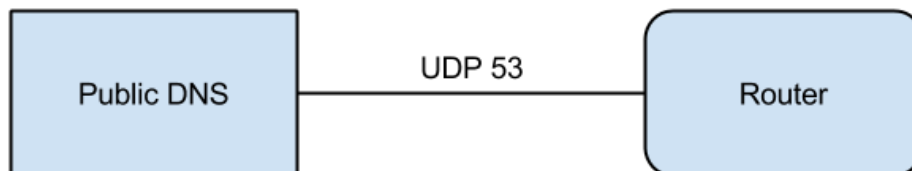# Public DNS server

1. Introduction

This node is used to provide domain name resolution for all other servers in the cluster. This DNS will be the authoritative name server for the domain name "virtual-labs.ac.in" and "vlabs.ac.in". The Public IP of this machine needs to be officially registered with ERNET to make this machine an authoritative name server for the domain.

2. Diagram

3. Implementation

3.1. Public DNS server Configuration

3.1.1. Public-DNS

- Public-DNS Network Setup

  - Creates a password for public dns and configures so that this container will be active with internet.

```
---
- name: Set root password
  command: vzctl set 1006 --userpasswd root:{{container_root_password}}

- name: copy interface ifcfg-eth1 file
  template: src=ifcfg-eth1 dest=/vz/private/1006/etc/sysconfig/network-
  scripts/
```

```
  - name: Public-dns-server Network restart
    command: vzctl exec 1006 service network restart
```

- dependencies

```
dependencies:
    - common-vars
```

- Public-DNS Private NetworkConfigures the network-interface in /etc/sysconfig/network-scripts/ifcfg-eth1 of public-dns with the following fields

```
DEVICE=eth1
BOOTPROTO=static
ONBOOT=yes
NM_CONTROLLED=no
IPADDR=10.100.1.6
GATEWAY=10.100.1.1
NETMASK={{net_mask}}
```