I have been looking for ways to setup my home lab to experiment on Kubernetes.

Before I could do that, I needed a environment I can build and destroy without spending much time.

Doing some research, I came across [fai-project.org](https://fai-project.org/) . Looking thru some videos, I tried to give this ago.

It took quite a bit of trial and error. But I finally managed to get the basic process working.

1. The High-level network diagram.
2. Explanation and function of the servers.
   1. alpine1

I needed to have a server to provide IP addresses to the Virtual Machines created.

Found alpine Linux to be suitable for this role. Small and does the job.

* 1. alpine2

I needed a test server to check if the DHCP server is working properly. Another Alpine server made sense. This server is purely to check if the DHCP is assigning an IP and in the correct range.