

HA Proxy Module

Now that you have deployed a web server, you have been tasked with setting up a Load Balancer as a front end. Write a puppet module to install and configure HA Proxy. You could use the `trifecta` - package, file service resources. Refer to the following link to server the configuration.

`/etc/haproxy/haproxy.cfg`

<https://gist.github.com/initcron/874a1bda587e8a219210#file-gistfile1-txt>

Your puppet module should,

1. Install “haproxy” package
2. Ensure the above package to be latest
3. Manage a configuration file `haproxy.cfg` . The contents of this file could be copied from link above
4. Start “haproxy” service, and make sure it is enabled at boot
5. Whenever `haproxy.cfg` is changed, haproxy service should be refreshed
6. Service resource should have dependency on package resource

Add this module to the nodes definition and apply it on the node.

Validation

After applying the above module, you should be able to run the following command, which should show the nginx default web page,

```
# curl localhost:5000
```

If you see the nginx default html page, your nginx server is running, and haproxy is successfully serving as a load balancer in front of the web server.