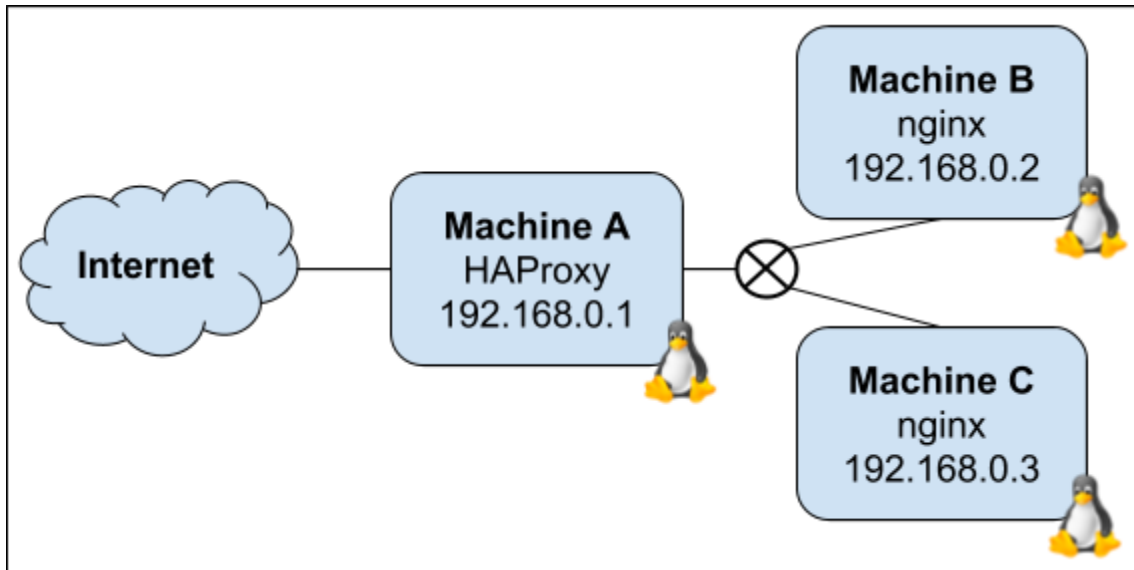


Ansible assignment:

*In this assignment you will need to configure secure a redundant website by using **Ansible**.*



1. Create 3 machines in AWS as machines A, B and C. Then use Ansible to accomplish the following tasks.
2. Limit connectivity:
 - a . SSH login to machine C and B will be allowed only with keys
 - b . All the machines should be secure with iptables (you need to block everything except the service ports and ssh ports)
3. Functionality:
 - a . Nginx and HA Proxy will be installed by downloading and compiling the sources
 - b . The web server on machine B and machine C should listen on port 8080
 - c . HAProxy needs to balance the traffic between two websites (machine B and machine C)
 - d . When someone is opening `https://<machine_A_URL>/test.html` (domain name can be acquired for free using noip) he will get valid SSL website with “hello world page”, the HAProxy should serve the SSL certificate (use let’s encrypt), any other page should redirect the client to `https://www.google .com`
4. Make sure everything works even after a reboot