Oracle NAT Appliance (ONA)

What is ONA?

This appliance is a flask application that provides an easy-to-use interface to setup NAT rules on a Linux VM. This application works in conjunction with IAM to authenticate users who are accessing the application via a defined confidential application. Once the user log into the application, they will have the current rules displayed into a table format. They can add or edit the NAT rules on the appliance in a quick and efficient manner without the need to manage any NAT rules on the VM at the OS level.

Why ONA?

Currently there is not a fully managed OCI NAT service in OCI. However, while you could use a load-balancer or a network load-balancer to achieve the same results, there are limitations to load balancers inside OCI. For example, the total number of listeners and back-end sets are 16 each. So, if a customer needs a high number of ports translated, they will require multiple load balancers to fit their needs. Further, if each of these associated load balancers require a high bandwidth channel this can start to become cost prohibitive along with potential scaling issues.