DevOps Lab

Assignment 9:

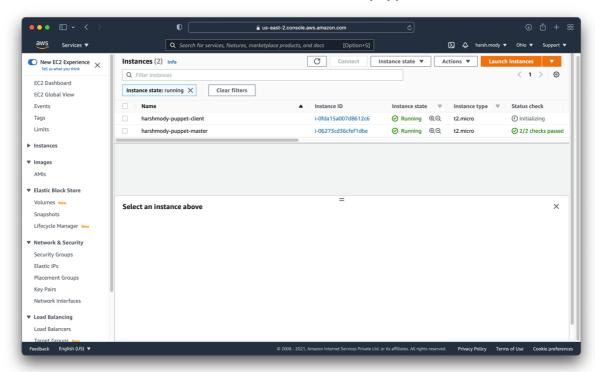
Aim: To install and understand the usage of Configuration Management tools like Puppet.

Theory & Execution:

Configuration management tools are the modern, sensible way to manage infrastructure as code. There are many such tools available, all of which operate more or less the same way: you specify your desired configuration state, using editable text files and a model of the system's resources, and the tool compares the current state of each node with your desired state and makes any changes necessary to bring it in line.

Puppet is a tool that helps you manage and automate the configuration of servers. Puppet is two things: a language for expressing the desired state, and an engine that interprets code written in the Puppet language and applies it to the nodes to bring about the desired state.

Instead of Local VM, we will create a 2 EC2 instance for puppet master and client.



Install needed packages.





Configure server and clients similarly



Run service puppetmaster start command to start server next. Similarly configure the client next. We then need to certify the puppet agents.

<u>Conclusion:</u> Thus, successfully understood the importance of Configuration Management tools like Puppet.