**Deploy Wazuh Server to a local virtual machine**

The Wazuh community provides a script that has all the required files and repositories in one. I did not choose a distributed architecture, so I ran configurations for one virtual machine as follows:

* I created a script to install the *Wazuh package* and all the required *packages*, that is, *Elasticsearch* and *Kibana*. I used *CURL* to copy the script from the repository and run it locally.
* In the script, I automatically reset the default passwords and saved them to a file named ***newpasswords.txt***

**Deploy the Wazuh agent on another virtual machine and script out configurations to allow the agent to send logs to the server.**

On this task, I chose 2 approaches to deploy the agents using puppet as discussed below:

* The first one was to create script to execute commands on the agents. This script was to be sent to the agents as a file manifest with and execute command at the end to which the commands would be automatically pulled at the next run-interval time set in puppet.conf on the specified node. The agent’s name displayed on the Wazuh server would be the hostname since I did not specify the name, so it resorts to the default naming convention.
* The second approach involves deploying wazuh-agent package directly via puppet, by installing the package from puppet forge and creating a class containing the agent and specifying the slave IP address as well. This approach involves specifying the slave IP address, so it would not really be an ideal setup for an environment with a lot of nodes.