# Kubernetes Configuration Management Boot Camp

1. **Requirements from ASPE**
   1. .PEM and .PPK file to be provided
   2. 1 IP address for the instructor, and 1 IP address for each student
2. Follow the link to test the connection as the next step -

<https://github.com/techtown-training/kubernetes-intro/blob/master/lab_setup/Test_Instance_and_Connection.docx>

1. It is highly encouraged to quickly go through setup as a student so that last minute surprises can be avoided
2. A successful call to ‘kubectl --help’ will typically indicate kubeadm and kubernetes is installed
3. We are using AWS stand alone machines and then setting it for the course. The image built in ASPE account has Docker, kubernetes and kubeadm installed in it. But the cluster/master is not setup, since while setting up the master, the IP address of the machine get stored in kube.config file. Thus, we cannot run that step and create an AWS image. Instead setting up the master is included as one of the first exercise [exercise2.1] - <https://github.com/techtown-training/kubernetes-intro/blob/master/exercise/exercise2.1-install_kube_master.md>
4. Exercise 2.1 is compulsory for everyone, as this installs kube master and taint it so master node can be used to schedule pods. If someone doesn’t do this exercise, he won’t be able to run any Kubernetes exercise.
5. Individual exercise has their own package dependency and the same has been mentioned in the exercise markdown files. So, students are required to follow the exercise MD files step by step

Just to note – We are using 1 node kube cluster for the course purpose. If someone is interested to know how it works in a multiple node cluster, the process is very easy and has been mentioned in the Exercise 2.1 markdown file. Instructor can use his own judgement whether he wants to demo creating a N node cluster.