

There are many systems and servers remotely connected that bind our whole grid and charging systems. Many services are also tied to each of them which makes our whole process much easier to work with. There are many instances and machines we have to access regularly to check and monitor. Also in certain situations, we also have to take action from those machines/servers by connecting remotely from our machines.

Saltmaster is configured and we have access to the salt master servers. Saltmaster acts as a master so we can run commands and module functions locally on a minion instead of executing them from the master. Also, we have docker containers running where the packages are containerized as a whole.

From these instances we can run many commands and check the memory and status of these machines/servers. Even though we can see the running status of all of the instances from AWS, to get detailed info about memory and statuses we have to log into them from the terminal. For certain prometheus alerts we have to check the status of these containers and also on a regular basis we log into all the ips to check if they are accessible or not

For doing these checks it is important that we have some basic knowledge of the docker commands and salt calls we are running so that we can understand the work we are doing. Also if something out of the box occurs we can also find the root cause and act on them. So we will be looking at some basic commands and what scenarios we can use them in.

1. **lists all the docker containers are running with container details → `sudo docker ps`**
2. **Display a live stream of container(s) resource usage statistics → `sudo docker stats--no--stream`**
3. **Restart one or more containers → `sudo docker restart container_id`**
4. **Start one or more stopped containers → `sudo docker start container_id`**
5. **Stop one or more containers → `sudo docker stop container_id`**
6. **Show all the instances in a minion → `sudo salt "*" test.version`**