**A Saltstack Module**: -

The following module can be used to query the disk usage.

In the beginning we have the init.sls

The **init.sls** file is under a directory called **disk1.**In turn the disk1 directory is under /etc/salt/.

The init.sls file makes use of grains to run suitable commands based on the underlying os the saltminions run on.

#/etc/salt/disk1/init.sls

disk1:

{ %if grains[‘os’]==’Ubuntu’ % }

cmd.run

- name : df

{ %if grains[‘os’]==’Windows’ % }

cmd.run

-name: powershell.exe -Execution Policy Bypass “pathname to powershell script”

{ % endif % }

This file instructs the saltminions that if the os on which they run if it's ubuntu then execute the **df** command to return the disk usage. On the other hand if os is windows we deploy a powershell script to extract the information regarding disk usage and we provide the pathname of that powershell script to extract the disk usage.

Next comes the **top.sls** file

#/etc/salt/top.sls

base:

‘\*’:

* disk1

This file when compiled tells the saltmaster to apply the state that's defined under the directory /etc/salt/disk1 which contains the init.sls which was described earlier.

When the command

Salt ‘\*’ highstate

is executed then the states listed under the top.sls file are applied.