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## Assignment 1

1) Write short note on Ansible. one Ansible is a software tool that provides simple but powerful automation por moss-platform computer support. It is primarily intended for IT professionals, who use it por application deployment, apupdates on workstations and servers, cloud provisioning, configuration management, intra-service orchestration and nearly anything a system administrator does on a weekly or doily basis.

Ansible doesn't depend on agent software and has
no additional security intrastructure, so its easy to deploy In ansible there are two types of nodes: control nodes and managed nodes. The control node is the computer that was Ansible. There must be atleast one control node, although a backup control node may exist. A manage node is any device being managed by sontrol node. Ansible works by connecting to the nodes on network and then sending a small program called as Ansible module to that node onsible executes these modules over 35H and removes them when finished. The only requirement for this interaction is that your Ansible control node has login access to the managed grodes. SSH keys are the most common ways to provide access, but other forms of authentication are also supported.

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2) Write short note on saltstack.

Saltstack or salt is a very powerful automation frame work. Salt architecture is based on the idea of executing commands remotely. All networking is designed amound some aspect of remote execution. This could be as simple as asking a remote web server to display a static seppage or as complex as using a shell session to interactively issue commands against a remote server.

Salt is designed to allow users to explicitly target and command issues to multiple machines directly. Salt is based amound the idea of a master which controls one or more minions. Commands are issued from Master to a target group of minions which then execute the task specified in the commands and then return the resulting data to the master.

Salt is boild for speed and scale. That is why it is used to manage tens of thousands of servers at Google, Linkedin and Wiki Media.

Salt is open-source configuration management software and remote execution egi engine. Salt is primarily competing with Pupper, Ansible and chef

Fault tolerance
Parallel Execution model
Elexibility

Scalable Configuration Management Language Agnostic.

Python APT

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	Puppet Master-					
	Puppet master handles all configuration related process in the					
	Puppet master handles all configuration related process in the form of puppet codes. It is a linux based system in which puppet master software is installed.					
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*	Puppet Agent or slave -					
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	Puppet agents are real working systems and used by the dient. It is installed on the client machine and maintained					
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and managed by puppet master agent service running inside	e throng .
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and nodes related configurations	are tested stared and we
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Gets-	
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node and master.	į.
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ar changed into a compiled to	
is known as cattog and the w	se can apply this catalog to
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machine-