



Department of Information Technology

Academic Year: 2022-23

Semester: V

Class / Branch: TE IT

Subject: DevOps Lab (DL)

Subject Lab Incharge: Ms. Neha Deshmukh

EXPERIMENT NO. 11

Aim: To install and Configure Pull based Software Configuration Management and using Puppet

Puppet is a configuration management tool, similar to Ansible, Chef and SaltStack. Puppet also can be used for automating infrastructure as well.

- Configuration management tool
- Used for infrastructure automation as well
- An open source, written in Ruby
- Uses Domain Specific Language (DSL) to describe system configuration
- Comes in two version - Open source & Puppet Enterprise
- Puppet is based in client/server model.

The server does all the automation of tasks on nodes/servers that have a client(agent) installed. The work of the Puppet agent is to send facts to the puppet master and request a catalog based on certain interval level (default time 30 mins). Once it receives a catalog, Puppet agent applies it to the node by checking each resource the catalog describes. It makes relevant changes to attain the desired state. The work of the Puppet master is to control configuration information. Each managed agent node requests its own configuration catalog from the master.

Pre-requisites:

Install Puppet master on new Ubuntu with medium instance
port 8140 needs to be opened.

- Install Puppet
- Start Puppet Server
- Set Puppet into Path
- Check Puppet version



Puppet - Infrastructure Automation + Configuration Management

