Day - 1

- **Introduction of Configuration Management**
- **Why Puppet**
- **Introduction of Puppet release**
- **Working with Puppet Open Source**
- **Puppet Open Source Architecture**
- **Understanding Puppet's internals**
- **Installing and upgrading Puppet agents**
- **Writing Puppet Programs file using Resource types**
    - exec
    - file
    - filebucket
    - group
    - notify
    - package
    - resources
    - schedule
    - service
    - stage
    - tidy
    - user

- **Puppet Development Kit overview and workflow**
    - Tools included in PDK
    - Installing Puppet Development Kit
    - Developing modules
    - Creating modules
    - Converting modules to PDK
    - Customizing module configuration
    - Building a module package
    - Testing modules
    - Validating module syntax and style

Crash Demo of Setting up Puppet master

Crash Demo of Setting up Puppet Agent

Crash Demo of setting up environment

Crash Demo of running puppet module using master

Day - 2

- **Working with Puppet Facter**
- **Facter release notes**
- **Core facts**
- **Custom facts**
- **Custom facts walkthrough**
- **External facts**
- **Configuring Facter with facter.conf**
- **Writing Advance Puppet Programs using Puppet language**
  - Language visual index
  - The Puppet language style guide
  - Code comments
  - Variables
  - Resources
  - Relationships and ordering
  - Classes

- **Defined resource types**
- **Bolt tasks**
- **Type aliases**
- **Expressions and operators**
- **Conditional statements and expressions**
- **Function calls**
- **Built-in functions**
- **Node definitions**
- **Facts and built-in variables**
- **Reserved words and acceptable names**
- **Custom resources**
- **Values and data types**
- **Templates**

Day - 3

- **Installing and Configuring Puppet master**
  - Puppet settings
  - Key configuration settings
  - Puppet's configuration files
  - Configuring Puppet Server
  - Adding file server mount points
  - Checking the values of settings
  - Editing settings on the command line
- **Introducing Puppet services and tools**
  - Puppet commands
  - Running Puppet commands on Windows
  - Puppet master
  - Puppet agent on *nix systems
  - Puppet agent on Windows
  - Puppet apply
  - Puppet device
- **Understanding Puppet Important directories and files**
  - Code and data directory (codedir)
  - Config directory (confdir)
  - Main manifest directory
  - The modulepath
  - SSL directory (ssldir)
  - Cache directory (vardir)

- **Defined resource types**
  - About environments
  - Creating environments
  - Environment isolation

- **Puppet Server**
  - About Puppet Server
  - Release Notes
  - Deprecated features
  - Compatibility with Puppet agent
  - Installing Puppet Server
  - Configuring Puppet Server
  - Differing behavior in puppet.conf