**Chef**

## Chef is a configuration management technology used to automate the infrastructure provisioning. It is developed on the basis of Ruby DSL language. It is used to streamline the task of configuration and managing the company’s server. It has the capability to get integrated with any of the cloud technology.

## In DevOps, we use Chef to deploy and manage servers and applications in-house and on the cloud.

Such a framework is highly beneficial to a company.

# **Why we use chef?**

# Benefits Of using ChefChef is an open source tool which is written in ruby and erlang.What is Configuration Management?

## Configuration is for code ,people as well as for Infrastructure.There are 2 types of Configuration

## Push

## PullChef follows Pull Configuration

## In Pull Configuration nodes checks with the server periodically and fetches the configuration from it.

## Infrastructure as code

## As a administrator tasks which should be done but chef make it easy.

## The code which could be modified tested tested or deployed and all installations would take place automatically.

## Operation team manages the code .Policies and configurations is written as Code.

## Working of WoerkStationWorking of ServerWorking Of Nodes

## Chef Architecture

## In which Recipes are been written .and collection of it forms a cookbook then uploaded on workstations which is been sent to server and data is to be configured by nodes.Cloud services can also be used and can deploy through servers.

## Chef Setup

## Installing chefdk on workstationConfiguring thingsNodes are been connected.Localhost shows the package we installed.

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