Description

This Dedicated **Chef cookbook** installs logstash and provides few specific configurations. For All Elastic stack Installations , should have java 8+.

Platforms

- CentOS 7

Expected to works on RHEL 7.

Usage

Default recipe created for logstash when we create cookbook . You are free to do anything with installation.

Also cookbook provides resources to services and configs of logstash. You can define multiple services and configs.

## . Attributes

* **logstash\_config\_path** - Defaults to node['logstash']['prefix\_conf']/<servicename>
* **logstash\_plugin\_path** - Defaults to nil
* **logstash\_filter\_workers** - Defaults to 1
* **logstash\_quiet** - Defaults to true
* **logstash\_verbose** - Defaults to false
* **logstash\_debug** - Defaults to false

## . Recipes

## default :

## By default , when we create the cookbook , it would created . in this*,* added the specific infrastructure recipes as :

#### include\_recipe 'logstash\_setup'

#### include\_recipe 'logstash\_config'

### logstash\_setup :

This Recipe has the implementation of infrastructure for the logstash core setup . It has the following Resources :

* **Remote\_file** - to download the rpm package to specified directory.

**Source : node[‘logstash’][‘sourceurl’] – given the source url of logstash**

**Action : create**

**For create the particular package.**

* **Rpm\_package** - to install the rpm package to specified directory.

**Source : node[‘logstash’][‘home’] – it is the directory of logstash package exists.**

**Action : install**

**The property of allow\_downgrade helps to install the package even there is upgraded package exists.**

* **Service** - to Start the installed service of logstash.

**Supports : reload => true , stop =>true - to supports any state of the service.**

**action : start**

**You can specify the action as you want.**

**Ex: If you want to stop the service .**

**Action : stop**

* **Template** - to Invoke the configuration file of logstash.yml.

**atomic\_update - this property to update the content of existing logstash.yml file with your specific configurations which are required.**

**action : create -defaults**

**notifies : it is the Notification to service to be restarted . since we have configured and invoke the configuration file with the form of template .**

### logstash\_config :

it has the optional and additional resource implementations according to the requirements .

it has following resources :

* **directory** –

to Assign the user/group for directory layout.

**Notifies : it is the notification to service to be restarted.**

* **file** –

to Assign the user/group for files in directory layout.

**.**

* **template** - to Invoke the testlogstash file .

**atomic\_update - this property to helps to update the content when you modify the file further.**

**Action : create -defaults**

**Notifies : it is the notification to service to be restarted .**

* **cookbook\_file -** to create the sample file for testing .

**atomic\_update - this property to helps to update the content when you modify the file further.**

**Action : create -defaults**

**Notifies : it is the notification to service to be restarted.**

**Commands :**

**Create cookbook : chef generate cookbook logstash**

**Create recipe : chef generate recipe <recipe\_name>**

**Create template : chef generate template default/<template\_name>**

**Create attribute : chef generate attribute <attribute\_name>**

**Create file : chef generate file <file\_name>**

**Files in Chef -repo :**

**solo.rb : define the cookbooks path**

**web.json : defines the run\_list for the execution.**

**[ Note: All Chef Cookbooks exists in Chef-repo ]**

**Execution of Cookbook :**

**Chef-repo> chef-solo -c solo.rb –j web.json**