Description

This Dedicated **Chef cookbook** installs Metricbeat, and provides few specific configurations.

Platforms

- CentOS 7

Expected to works on RHEL 7.

Usage

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

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

## . Attributes

## Path : ~/chef-repo/cookbooks/metricbeat/attributes

## <edit the attributes>

## . Recipes

## Path : ~/chef-repo/cookbooks/metricbeat/recipes

## default :

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

#### include\_recipe 'metricbeat\_service1'

#### include\_recipe 'metricbeat\_service2'

include\_recipe ***‘****metricbeat\_*elastic\_integration'

### Metricbeat\_service1 :

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

* **Group**- to Create the group for metricbeat.

**action : create –defaults**

* **user**- to Create the user for metricbeat. With required properties

**action : create -defaults**

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

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

**Action : create**

**For create the particular package.**

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

**Source : node[‘metricbeat’][‘home’] – it is the directory of metricbeat 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 kibana.

**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**

### metricbeat\_service2 :

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

it has following resources :

* **Execute** –

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

* **directory** –

to Assign the user/group for directory layout.

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

### metricbeat\_elastic\_implementation:

it is crucial recipe to manage end to end integration with Elasticstack for Metricbeat .

it has following resources :

* **Template** –

to Achieve the process of integrate elasticstack , we have to change/update the configurations in metricbeat.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 .**

* **service** –

to restart the services which are involved in integration with elasticsearh.

Elasticsearch – has to restart to store.

Metricbeat – has to restart and connect to elasticsearch

Kibana – Visualize the logs

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

**Commands :**

**Create cookbook : chef generate cookbook kibana**

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