



# CHEF

DEVOPS by SATISH @ Sathya Tech

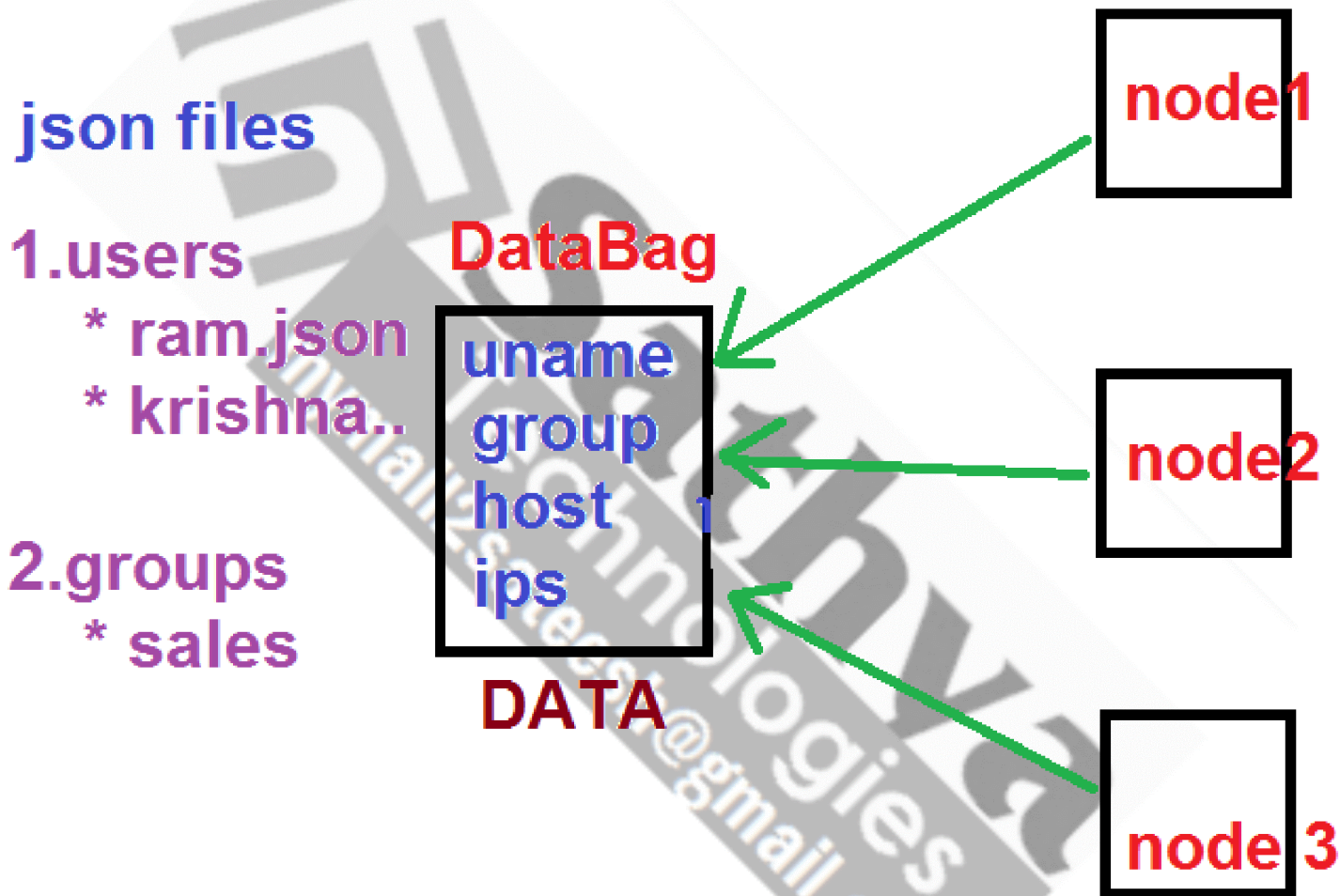
# Data Bags

A data bag is a **container** for **items** that represent information about your infrastructure that is not tied to a single node

## Examples

- Users
- Groups
- Application Release Information

# Data Bags



## Create a data bag

```
# mkdir -p data_bags/users
```

## Create a data bag named users

```
# knife data_bag create users
```

## Create a user item in the users data bag

```
# data_bags/users/ram.json
```

```
{  
  "id": "ram",  
  "comment": "ram raj",  
  "uid": 2000,  
  "gid": 0,  
  "home": "/home/ram",  
  "shell": "/bin/bash"  
}
```

```
# data_bags/users/krishna.json
```

```
{  
  "id": "krishna",  
  "comment": "krishna teja",  
  "uid": 2001,  
  "gid": 0,  
  "home": "/home/krishna",  
  "shell": "/bin/bash"  
}
```

Create the data bag item

```
# knife data_bag from file users ram.json
```

```
# knife data_bag from file users krishna.json
```



**Show all the items in users data bag**

**# knife search users "\*:\*"**

**Find Ram's shell in Chef**

**# knife search users "id:ram" -a shell**

**Create a data bag named groups**

**# mkdir data\_bags/groups**

**# knife data\_bag create groups**

## Create a group item in the group data bag

# data\_bags/groups/sales.json

```
{  
  "id": "sales",  
  "gid": 3000,  
  "members": ["ram", "krishna"]  
}
```

## Create the data bag item

# knife data\_bag from file groups sales.json

## Show all the groups in Chef

# knife search groups "\*:\*"

## Create a cookbook named 'users'

```
# knife cookbook create users
```

```
# vi cookbooks/users/recipes/default.rb
```

```
search("users", "*:*").each do |user_data|
```

```
  user user_data["id"] do
```

```
    comment user_data["comment"]
```

```
    uid user_data["uid"]
```

```
    gid user_data["gid"]
```

```
    home user_data["home"]
```

```
    shell user_data["shell"]
```

```
  end
```

```
End
```

```
include_recipe "users::groups"
```



```
# vi cookbooks/users/recipes/groups.rb
search("groups", ".*:*").each do |group_data|
  group group_data["id"] do
    gid group_data["gid"]
    members group_data["members"]
  end
end

# knife cookbook upload users
# knife node run_list add node1 'recipe[users
node# chef-client
node# cat /etc/passwd
node# cat /etc/group
```

**To Run a specific recipe in the given cookbook:**

**#chef-client -r users::group**

**Sathya**  
Technologies  
mymail2sateesh@gmail.com