



CHEF

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Ex-6: `chefdk # knife cookbook create newloops`
`chefdk# vi chef-repo/cookbooks/`
`newloops/recipes/default.rb`
`['nginx','tomcat'].each do |package|`
 `yum_package package do`
 `action :install`
 `end`
 `service package do`
 `action :start`
 `end`
`end`

Attributes Sources

**Attributes can be set at various levels
(in increasing order of precedence)**

- Automagically on the node itself
(by Ohai)**
- In roles**
- In environments**
- In cookbook recipes**
- In cookbook attribute files**

Setting Attributes in Attribute files

Attributes can be set in the cookbook's attributes file
`./cookbooks/<cookbook>/attributes/default.rb`

Format is

(attribute name) (attribute value)

```
default["apache"]["dir"] = "/etc/apache2"
```

They can also be set directly in Recipes

(precedence) (attribute name) (attribute value)

```
node.default["apache"]["dir"] = "/etc/apache2"
```

An attribute value can be an array

```
default["apache"]["listen_ports"] = [ "80","443" ]
```

it can be a hash

- `default["apache"]["site1"] = { "port" => 80 }`
- `default["apache"]["site2"] = { "port" => 81 }`


```
#vi cookbooks/apache/attributes/default.rb
default["apache"]["indexfile"] = "index1.html"
#vi cookbooks/apache/files/default/index1.html
<html>
  <h1>This is index1.html</h1>
</html>
#vi cookbooks/apache/files/default/index2.html
<html>
  <h1>This is index2.html</h1>
</html>
```

```
#vi cookbooks/apache/recipes/default.rb
node.default["apache"]["indexfile"] = "index2.html"
cookbook_file "/var/www/html/index.html" do
  source node["apache"]["indexfile"]
  mode "0644"
End
#knife cookbook upload apache
#knife node run_list add node2 "recipe[apache]"
node# chef-client
(you can check index1.html is will override by index2.html)
```

Attribute Priority

Highest Priority

Defined in a Role

Defined in the Environment

Defined in a Recipe

Lowest Priority

Defined in an Attribute File

