

Chef Notification

- A resource may notify another resource to take action when its state changes. Specify a 'resource[name]', the :action that resource should take, and then the :timer for that action. A resource may notify more than one resource; use a notifiesstatement for each resource to be notified.

The syntax for notifies is:

notifies :action, 'resource[name]', :timer

Examples

The following examples show how to use the `notifies` notification in a recipe.

Delay notifications

```
template '/etc/nagios3/configures-nagios.conf' do
  # other parameters
  notifies :run, 'execute[test-nagios-config]', :delayed
end
```

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Notify immediately

By default, notifications are `:delayed`, that is they are queued up as they are triggered, and then executed at the very end of a chef-client run. To run an action immediately, use `:immediately`:

```
template '/etc/nagios3/configures-nagios.conf' do
  # other parameters
  notifies :run, 'execute[test-nagios-config]', :immediately
end
```

and then the chef-client would immediately run the following:

```
execute 'test-nagios-config' do
  command 'nagios3 --verify-config'
  action :nothing
end
```

Notify multiple resources

```
template '/etc/chef/server.rb' do
  source 'server.rb.erb'
  owner 'root'
  group 'root'
  mode '0755'
  notifies :restart, 'service[chef-solr]', :delayed
  notifies :restart, 'service[chef-solr-indexer]', :delayed
  notifies :restart, 'service[chef-server]', :delayed
end
```

Notify in a specific order

To notify multiple resources, and then have these resources run in a certain order, do something like the following:

```
execute 'foo' do
  command '...'
  notifies :create, 'template[baz]', :immediately
  notifies :install, 'package[bar]', :immediately
  notifies :run, 'execute[final]', :immediately
end

template 'baz' do
  ...
  notifies :run, 'execute[restart_baz]', :immediately
end

package 'bar'

execute 'restart_baz'

execute 'final' do
  command '...'
end
```

where the sequencing will be in the same order as the resources are listed in the recipe: `execute 'foo'`, `template 'baz'`, `execute [restart_baz]`, `package 'bar'`, and `execute 'final'`.

Reference

- <https://docs.chef.io/resources.html#notifications>