

WHITE PAPER

ePortal API Chef Recipe

Having tighter integration with automation tools like Chef has always been a goal for KernelCare and related tools like ePortal. The following recipe demonstrates how to use the `delete_server` api to correctly remove a server from ePortal during tear down, and can be integrated with your other recipes to avoid manual operations.



You can create a separate ePortal account for API usage with:

```
kc.eportal -a api-user -p <password>
```

Unregister KernelCare agent through API playbook:

```
eportal_url = "EPORTAL URL"
eportal_user = "EPORTAL API USER NAME"
eportal_password = "EPORTAL API USER PASSWORD"

# the ip to unregister can be pulled automatically from the system where
# the recipe is applied, or specified manually (by replacing the following
# line with a simple assignment)
ip_to_unregister =
  "#{node['network']['interfaces'][node['network']['default_interface']]
  ['addresses'].select{|k,v| v['family'] == "inet"}.keys.first}"

http_request "kernelcare-unregister-api" do
  url "#{eportal_url}/admin/api/delete_server?ip=#{ip_to_unregister}"
  action :post
  headers({'AUTHORIZATION' => "Basic #{
    Base64.encode64("#{eportal_user}:#{eportal_password}")}),
  })
end
```

Example (kernelcare-unregister-api.rb):

```
eportal_url = "http://192.168.246.110"
eportal_user = "api-user"
eportal_password = "dummy"

ip_to_unregister =
  "#{node['network']['interfaces'][node['network']['default_interface']]
  ['addresses'].select{|k,v| v['family'] == "inet"}.keys.first}"

http_request "kernelcare-unregister-api" do
  url "#{eportal_url}/admin/api/delete_server?ip=#{ip_to_unregister}"
  action :post
  headers({'AUTHORIZATION' => "Basic #{
    Base64.encode64("#{eportal_user}:#{eportal_password}")}),
  })
end
```

Ad hoc run with:

```
chef-apply kernelcare-unregister-api.rb
```

Output:

```
Recipe: (chef-apply cookbook)::(chef-apply recipe)
  * http_request[kernelcare-unregister-api] action post
    - http_request[kernelcare-unregister-api] POST to
      http://192.168.246.110/admin/api/delete_server?ip=192.168.246.40
```

This can be called during machine tear down to properly remove the server from ePortal.