



Create a Node Template

Lab 13



What are you Learning?

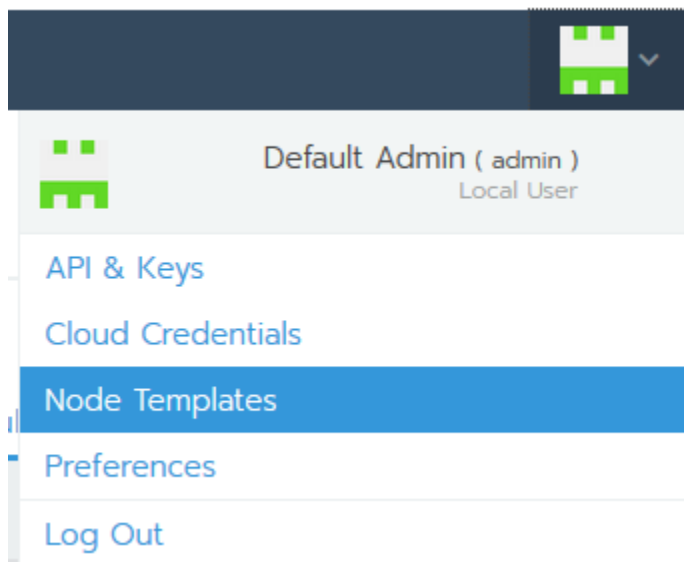
In this lab you'll create a Node Template that along with your cluster template will allow you to deploy a Kubernetes cluster.

Why is it important?

[Node templates](#) along with [RKE templates](#) allow you to standardize the provisioning of all of the substrate serving their applications. Node templates allow you to create virtual machine types in your cloud platform of choice. Unlike RKE Templates, Node Templates are user-scoped and are used when provisioning Kubernetes clusters. Nodes will be provisioned using [Docker Machine](#) via the infrastructure providers' APIs.

Create a Node Template

1. Click on your User Avatar in the upper-right corner, and select Node Templates



2. Click *Add Template*
3. Choose your cloud of choice. You'll be creating a new [Cloud Credential](#), that allows Docker Machine to automate the provisioning of your infrastructure.
4. Setup the node template based upon your cloud of choice.

5. Give it a name and click Create

Name * Add a Description

my-node-template

▶ **Labels**
Labels are key/value pairs that can be used to annotate containers and make scheduling decisions.

▶ **Taints**
Taints mark that the node should not accept any pods that do not tolerate the taints.


▶ **Engine Options**
Customize the configuration of the Docker daemon

Create
Cancel

Testing That it Works

In the Node Templates section of Rancher, you should see the Node Template you just created. In a future lab we'll use the template you created.

Node Templates
Manage Cloud Credentials
Add Template

Delete 

<input type="checkbox"/> State	Name	Owner	Provider	Location	Size	
Owner: Default Admin						
<input type="checkbox"/> Active	my-node-template	Default Admin	Azure	eastus2	Standard_D1_v2	⋮

References

- Managing Node Templates - <https://rancher.com/docs/rancher/v2.x/en/user-settings/node-templates/>
- RKE Templates and Infrastructure - <https://rancher.com/docs/rancher/v2.x/en/admin-settings/rke-templates/rke-templates-and-hardware/>
- Docker Machine - <https://docs.docker.com/machine/>
- Launching Kubernetes on New Nodes in an Infrastructure Provider - <https://rancher.com/docs/rancher/v2.x/en/cluster-provisioning/rke-clusters/node-pools/>
- Cloud Credentials - <https://rancher.com/docs/rancher/v2.x/en/cluster-provisioning/rke-clusters/node-pools/#cloud-credentials>