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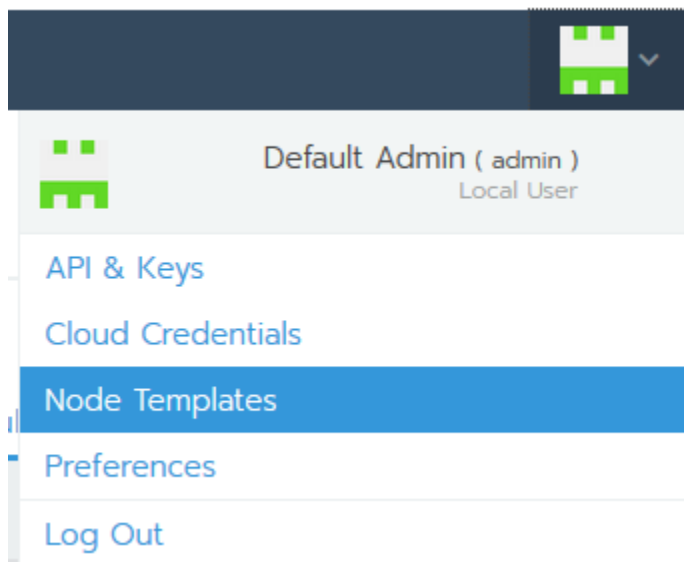
2. Click *Add Template*
3. Choose your cloud of choice. You'll be creating a new Cloud Credential, that allows Docker Machine to automate the provisioning of your infrastructure.
4. Setup the node template based upon your cloud of choice.

5. Give it a name and click Create

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.

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