**Quick start tutorial**

Now that you've installed Terraform, you can provision an NGINX server in less than a minute using [Docker](https://www.docker.com/products/docker-desktop) on Mac, Windows, or Linux.

Docker Desktop for MacDocker Desktop for Windows

Download [Docker Desktop for Mac](https://docs.docker.com/docker-for-mac/install/).

After you install Terraform and Docker on your local machine, start Docker Desktop.

**$** open -a Docker

*If you weren't successful installing Terraform or don't have Docker installed, you can complete the quick start tutorial from your web browser. Launch it here.*

Show Terminal

Create a directory named terraform-docker-demo.

**$** mkdir terraform-docker-demo && cd $\_

Paste the following Terraform configuration into a file and name it main.tf.

Mac or LinuxWindows

terraform {

required\_providers {

docker = {

source = "terraform-providers/docker"

}

}

}

provider "docker" {}

resource "docker\_image" "nginx" {

name = "nginx:latest"

keep\_locally = false

}

resource "docker\_container" "nginx" {

image = docker\_image.nginx.latest

name = "tutorial"

ports {

internal = 80

external = 8000

}

}

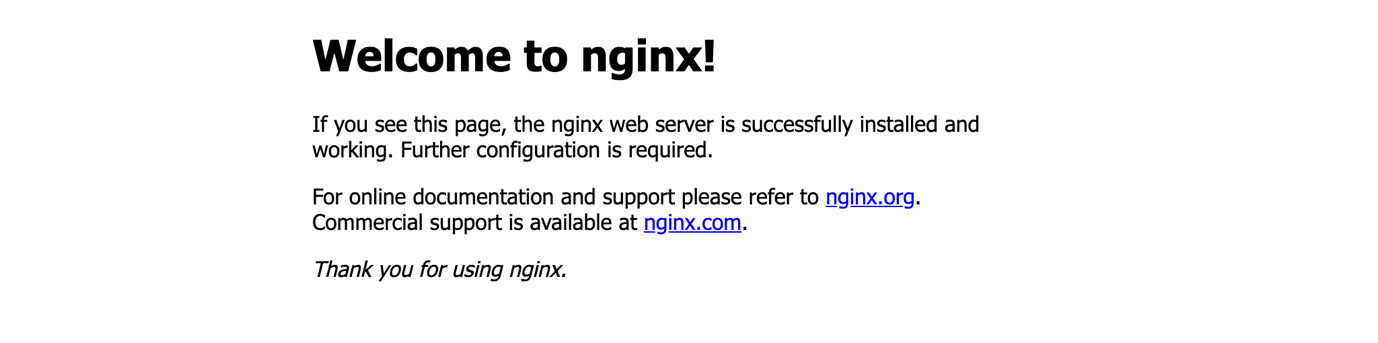
Initialize the project, which downloads a plugin that allows Terraform to interact with Docker.

**$** terraform init

Provision the NGINX server container with apply. When Terraform asks you to confirm type yes and press ENTER.

**$** terraform apply

Verify the existence of the NGINX container by visiting [localhost:8000](http://localhost:8000/) in your web browser or running docker ps to see the container.



**$** docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

425d5ee58619 e791337790a6 "nginx -g 'daemon of…" 20 seconds ago Up 19 seconds 0.0.0.0:8000->80/tcp tutorial

To stop the container, run terraform destroy.

**$** terraform destroy

You've now provisioned and destroyed an NGINX webserver with Terraform.