



```
om@Oms-MacBook-Air:~/learn-terraform-docker-container

# docker_image.nginx will be created
+ resource "docker_image" "nginx" {
  + id             = (known after apply)
  + image_id       = (known after apply)
  + keep_locally   = false
  + name           = "nginx"
  + repo_digest    = (known after apply)
}

Plan: 2 to add, 0 to change, 0 to destroy.

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes

docker_image.nginx: Creating...
docker_image.nginx: Creation complete after 0s [id=sha256:11ceee7cdc57225711b8382e1965974bbb259de14a9f5f7d6b9f161ced50a10a/nginx]
docker_container.nginx: Creating...
docker_container.nginx: Creation complete after 1s [id=5d45d72d2215dabc1567ea71381b78483ed11141988e824eb2ba2c00e5ab94e4]

Apply complete! Resources: 2 added, 0 changed, 0 destroyed.
~/learn-terraform-docker-container 19:50:55
```

```
- log_opts                = {} -> null
- max_retry_count         = 0 -> null
- memory                  = 0 -> null
- memory_swap             = 0 -> null
- name                    = "tutorial"
~ network_data            = [
  - {
    - gateway              = "172.17.0.1"
    - global_ipv6_prefix_length = 0
    - ip_address           = "172.17.0.2"
    - ip_prefix_length     = 16
    - mac_address          = "02:42:ac:11:00:02"
    - network_name         = "bridge"
    # (2 unchanged attributes hidden)
  },
  ] -> (known after apply)
- network_mode            = "bridge" -> null # forces replacement
- privileged              = false -> null
- publish_all_ports       = false -> null
- runtime                 = "runc" -> (known after apply)
~ security_opts           = [] -> (known after apply)
~ shm_size                = 64 -> (known after apply)
~ stop_signal              = "SIGQUIT" -> (known after apply)
~ stop_timeout            = 0 -> (known after apply)
- storage_opts            = {} -> null
- sysctls                 = {} -> null
- tmpfs                   = {} -> null
# (20 unchanged attributes hidden)

~ ports {
  ~ external = 8000 -> 8081 # forces replacement
  # (3 unchanged attributes hidden)
}
}

Plan: 1 to add, 0 to change, 1 to destroy.

Saved the plan to: tfplan

To perform exactly these actions, run the following command to apply:
  terraform apply "tfplan"
~/learn-terraform-docker-container 19:52:14
```

```
>> terraform apply tfplan
docker_container.nginx: Destroying... [id=5d45d72d2215dabc1567ea71381b78483ed11141988e824eb2ba2c00e5ab94e4]
docker_container.nginx: Destruction complete after 0s
docker_container.nginx: Creating...
docker_container.nginx: Creation complete after 0s [id=41554640baba27a226039900ff8b093c3476e0553714ab1a16faa4c012991862]

Apply complete! Resources: 1 added, 0 changed, 1 destroyed.
```

```
17 #resource "docker_container" "nginx" {
18 #   image = docker_image.nginx.image_id
19 #   name  = "tutorial"
20
21 #   ports {
22 #     internal = 80
23 #     external = 8081
24 #   }
25 #}
26
27
```

```
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} -> null
- network_mode           = "bridge" -> null
- privileged             = false -> null
- publish_all_ports      = false -> null
- read_only              = false -> null
- remove_volumes         = true -> null
- restart               = "no" -> null
- rm                    = false -> null
- runtime                = "runc" -> null
- security_opts          = [] -> null
- shm_size               = 64 -> null
- start                 = true -> null
- stdin_open            = false -> null
- stop_signal            = "SIGQUIT" -> null
- stop_timeout           = 0 -> null
- storage_opts           = {} -> null
- sysctls                = {} -> null
- tmpfs                 = {} -> null
- tty                   = false -> null
- wait                  = false -> null
- wait_timeout           = 60 -> null
# (7 unchanged attributes hidden)

- ports {
  - external = 8081 -> null
  - internal = 80 -> null
  - ip       = "0.0.0.0" -> null
  - protocol = "tcp" -> null
}
}

Plan: 0 to add, 0 to change, 1 to destroy.

Do you want to perform these actions?
  Terraform will perform the actions described above.
  Only 'yes' will be accepted to approve.

  Enter a value: yes

docker_container.nginx: Destroying... [id=41554640baba27a226039900ff8b093c3476e0553714ab1a16faa4c012991862]
docker_container.nginx: Destruction complete after 1s

Apply complete! Resources: 0 added, 0 changed, 1 destroyed.
~/learn-terraform-docker-container 19:54:10
```

```
Enter a value: yes

docker_image.nginx: Destroying... [id=sha256:11ceee7cdc57225711b8382e1965974bbb259de14a9f5f7d6b9f161ced50a10a/nginx]
docker_image.nginx: Destruction complete after 0s

Destroy complete! Resources: 1 destroyed.
~/learn-terraform-docker-container
```

```
resource "aws_instance" "external_dependency" {
  ami           = data.aws_ami.amazon_linux.id
  instance_type = "t2.micro"
}
```