

# Chapter 5: Terraform tips and tricks

## loops

- **count**

- usage:

```
resource "blablabla" "blablabla_name" {
  count = 3
  name  = "bla${count.index}"
}
```

- result: 3 elements ([0],[1],[2]) → resources array
- with **length()**:

```
variable "bla_names" {
  type    = list(string)
  default = ["bla_green","bla_yellow","bla_red"]
}
resource "blablabla" "blablabla_name" {
  count = length(var.bla_names)
  name  = bla_names[count.index]
}
```

- output
  - **[#]**: use cardinal to access a concrete element
  - **[\*]**: all elements from resource list
- each element is assigned to their index in state, deletes o modifications implies «move» all elements after that.
- only usable for **resources**, no inline blocks

- **for\_each**

- lists (using **toset()** function), sets and maps
- for use in **resources** o **inline blocks**
- use **each.key** and **each.value**
- usage:

```
variable "bla_names" {
  type    = list(string)
  default = ["bla_green","bla_yellow","bla_red"]
}
resource "blablabla" "blablabla_name" {
  for_each = toset(var.bla_names)
  name    = each.value
}
```

```
variable "bla_names" {
  type    = map(string)
  default = {"green" = "bla_green", "yellow" = "bla_yellow", "red" = "bla_red"}
  #default = map("green","bla_green", "yellow","bla_yellow", "red","bla_red")
}
resource "blablabla" "blablabla_name" {
  for_each = toset(var.bla_names)
  name    = each.value
}
```

}

- **output:**
  - values(<resource\_name>) [\*].attribute
- **for**
- **for string**

## conditionals

## Zero-Downtime Deployment

## terraform gotchas

From:  
<https://miguelangel.torresegea.es/wiki/> - miguel angel torres egea



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