

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

Pendiente

Pos 3500 aprox

count

```
variable "booleana" {  
  type = bool  
}  
resource "resource" "resource_name" {  
  count = var.booleana ? 1 : 0  
  ...  
}  
variable "cadena" {  
  type = string  
  default = "aaa"  
}  
resource "resource" "resource_name" {  
  count = format("%.1s", var.cadena) == "a" ? 1 : 0  
}
```

for_each

if string

Zero-Downtime Deployment

terraform gotchas

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