

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:
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