

1. Resource Syntax & Behaviors.

2. Meta Argument

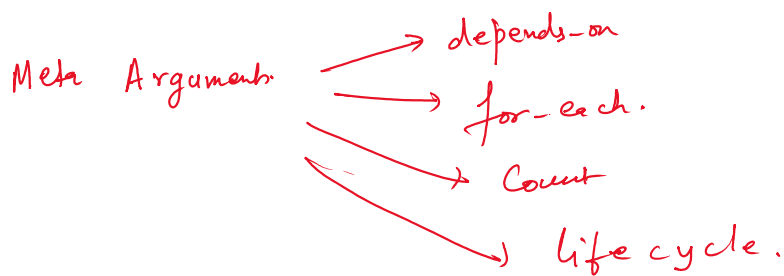
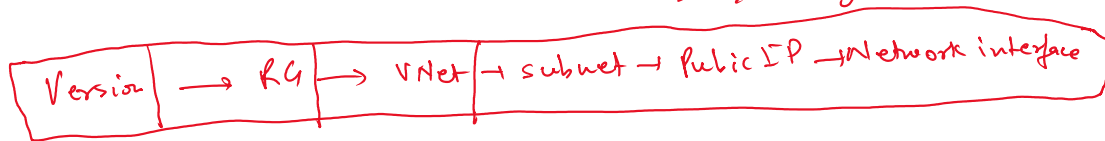
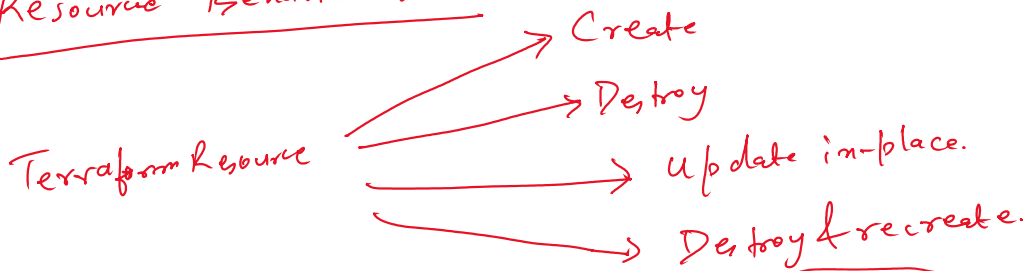


3. Input Variable

4. element, length, stat.

5. Output Variable.

## Resource Behaviors:-



## 1) Depends-on:-

(a) Hidden Resources.

(b) Explicit Dependency

(c) All resource Block & Modules.

### Use Case's

1. Random Strig.

2. AZ- resource group.

3. AZ VNet

4. Azure Subnet

5. Azure Public IP

6. Azure Nic

## ② Meta Argument - for-each:-

① Map or set of string. One instance for each member of the map.

②. each-key = "USEAST"  
each-value = "vs west"

to set for-each = to set ["Vivek", "anra"]  
each-key = vivek  
each-value = anra

for-each = {  
dev = "myapp1"  
}  
each-key = dev  
each-value = myapp1

to set () function :-

- ① Convert arg. to set value.
- ② to set ["Bang", "Mumbai", "Delhi"]
- ③ Convert to set ["Bang", "Mumbai", "123", "456"]

"123", "456", "Bang", "Mumbai"

④ Convert to set [1, 4, 5, 7, 8]  
1, 4, 5, 7, 8

## ③ Meta Argument? Life cycle.

① Create - before - destroy.

② Prevent - destroy.

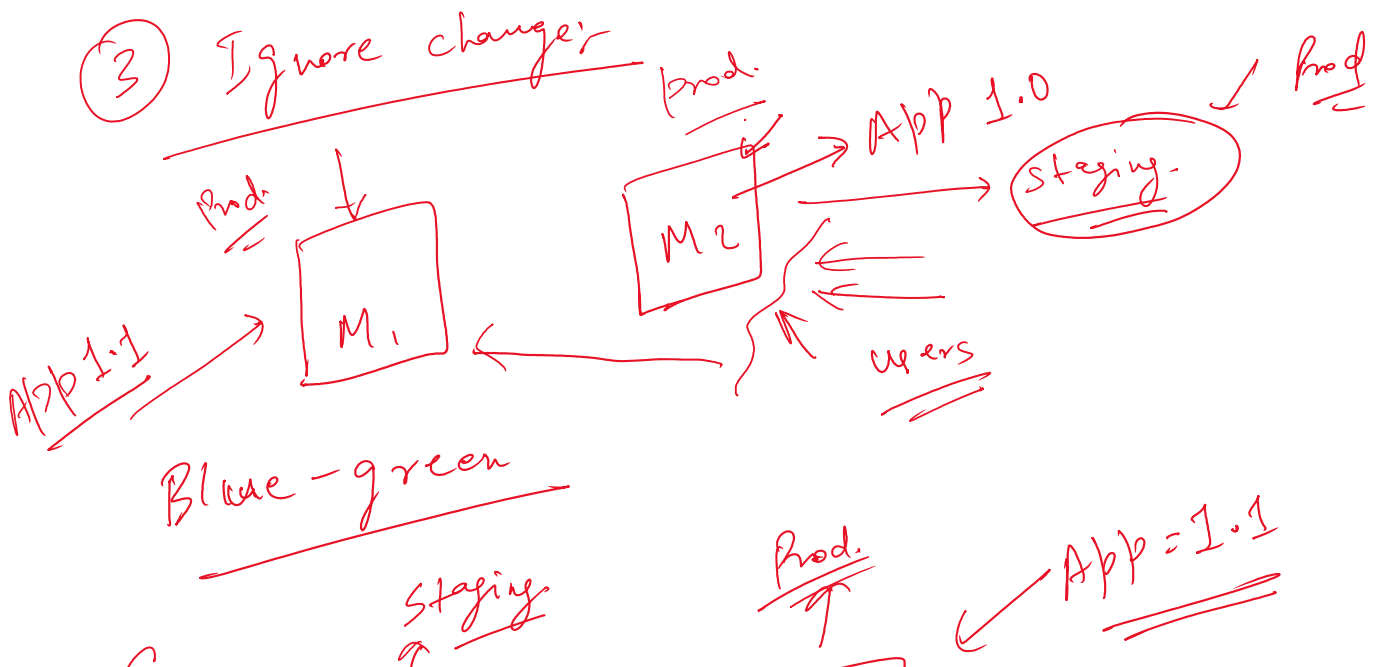
- 2. Prevent - destroy.
- 3. ignore - change

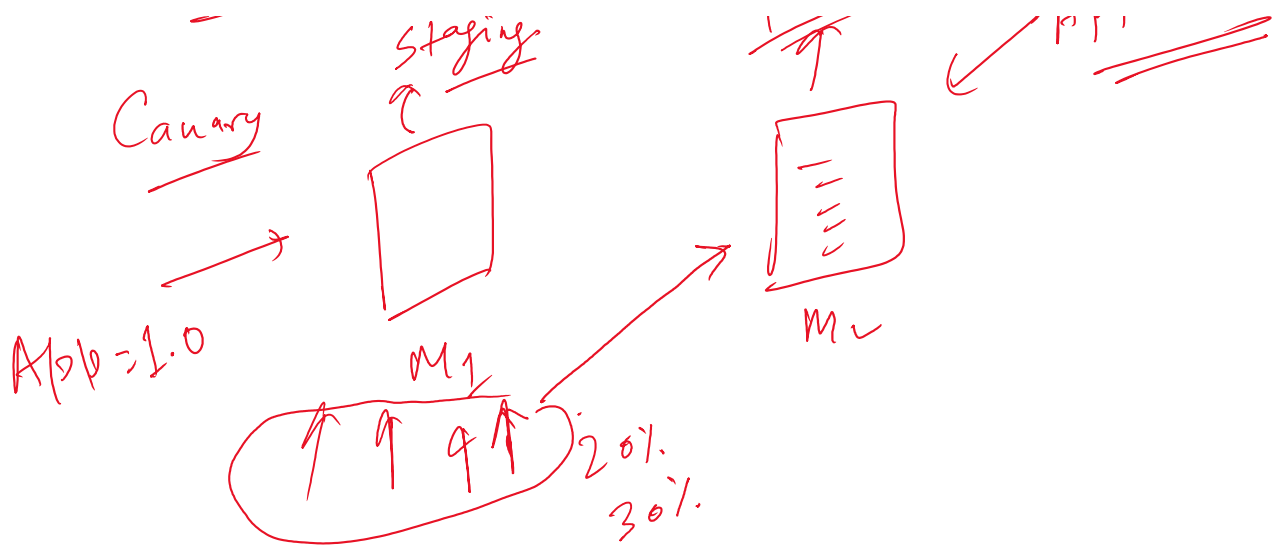
1. Create before - destroy :-  
 Destroy → re create

Arg. nested in any of the resource block.

```
lifecycle {
  create-before-destroy = true;
}
```

2. Prevent - destroy :-  
 lifecycle {
 prevent-destroy = true;
 }





lifecycle {

ignore, change = [ tag, -, - ]

}

#### ④ Meta Argument - Count:-

~~\*\*\*~~ ① Cannot use the for-each & Count both the Meta Arg. in one resource Block.

② Count = whole No.

③ No. of infra.

Count = 2

Count.index = [0, 1]

\* Input Variables:-

Define / Initialize the Variable.

tf Var → Override the Variable / default value  
... in the Variable stanza.

tf Var → Over..  
defined in the Varas  
variable tf-

terraform: tf Vars.  
↳ Value of the Variable, it will override  
the default value.

### \* Input Validation

- ① length()
- ② substr()
- ③ contains()
- ④ lower()
- ⑤ regex()
- ⑥ can()