

AZURE LIVE

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¿QUIÉN SOY?

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- Cloud Solutions Architect, Microsoft
- Bla
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¿CÓMO FUNCIONARÁ ESTE CURSO?

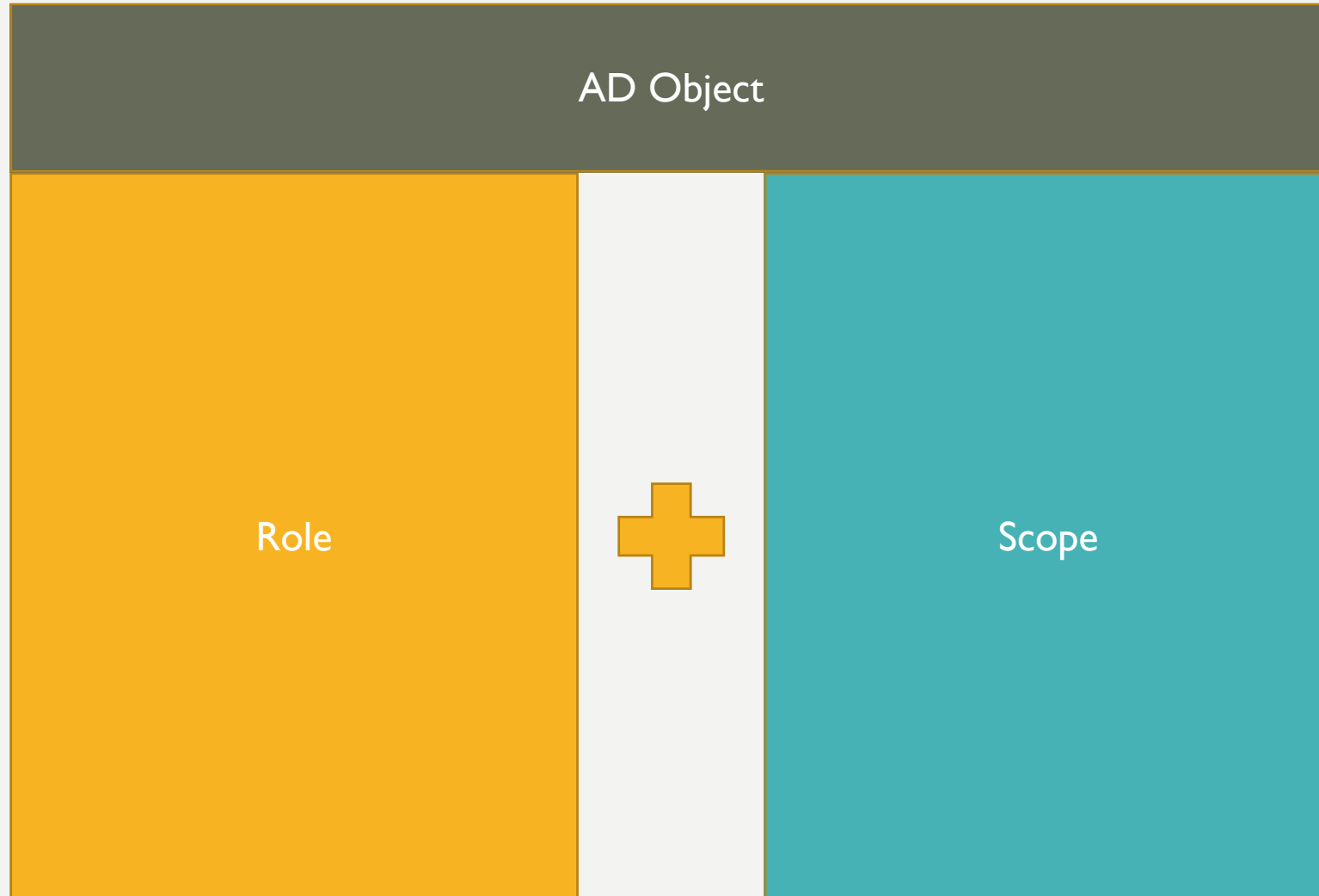
- 3 sesiones de 1 hora cada una (Lunes, Miércoles y Viernes a las 8 pm hora de Lima GMT-5)
- Contenido **NIVEL INTRODUCTORIO**
 - **Lunes:** Terraform, App Service, Canary Deployment
 - **Miércoles:** Breve intro sobre containers y Microservicios, Azure Kubernetes Service
 - **Viernes:** Logic Apps, Function Apps y Cognitive Services
 - **Los 3 días:** Azure DevOps
- En cada sesión compartiré el link de la siguiente sesión.
- Necesitarás:
 - Una cuenta de Azure <https://azure.com/free>
 - Una compu, no importa el Sistema Operativo
 - Conocimientos básicos de Linux Terminal y Azure.



CLASE 1

OBJETIVO: LIBRE DE MAMIFEROS

SERVICE PRINCIPAL



TERRAFORM

- Terraform is an orchestration tool for provisioning cloud resources
- Terraform is multi-cloud (Azure, AWS, on-prem)
- Terraform uses state files
- Terraform is NOT configuration!

You can call Virtual Machine extensions for configuring IaaS

You can still use DSC, Puppet, Chef to perform configuration

Packer can be used to create fully initialized images

- Terraform uses HashiCorp Configuration Language (HCL)



TERRAFORM COMMANDS



- terraform **init** – initialize state
- terraform **validate** – validate your templates
- terraform **plan** – plan your deployment, see what will occur
- terraform **apply** – execute the deployment
- terraform **destroy** – delete your deployment

TERRAFORM STRUCTURE OF FILE

```
provider "azurerm" {  
  subscription_id = "<<REMOVED>>"  
  client_id       = "<<REMOVED>>"  
  client_secret   = "<<REMOVED>>"  
  tenant_id      = "<<REMOVED>>"  
}  
  
resource "azurerm_resource_group" "default" {  
  name      = "${var.resource_group_name}"  
  location  = "${var.location}"  
}  
  
resource "azurerm_app_service_plan" "default" {  
  name                = "${var.app_service_plan_name}"  
  location             = "${azurerm_resource_group.default.location}"  
  resource_group_name = "${azurerm_resource_group.default.name}"  
  
  sku {  
    tier = "${var.app_service_plan_sku_tier}"  
    size = "${var.app_service_plan_sku_size}"  
  }  
}
```

Resources are anything that can be managed. Terraform also provide a "name" for each resource (this is for Terraform only).
Interpolations are ways to reference attribute of other resources.

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LAB 1

TERRAFORM + AZURE DEVOPS

APP SERVICE



Mobile Apps



API Apps



Web Apps



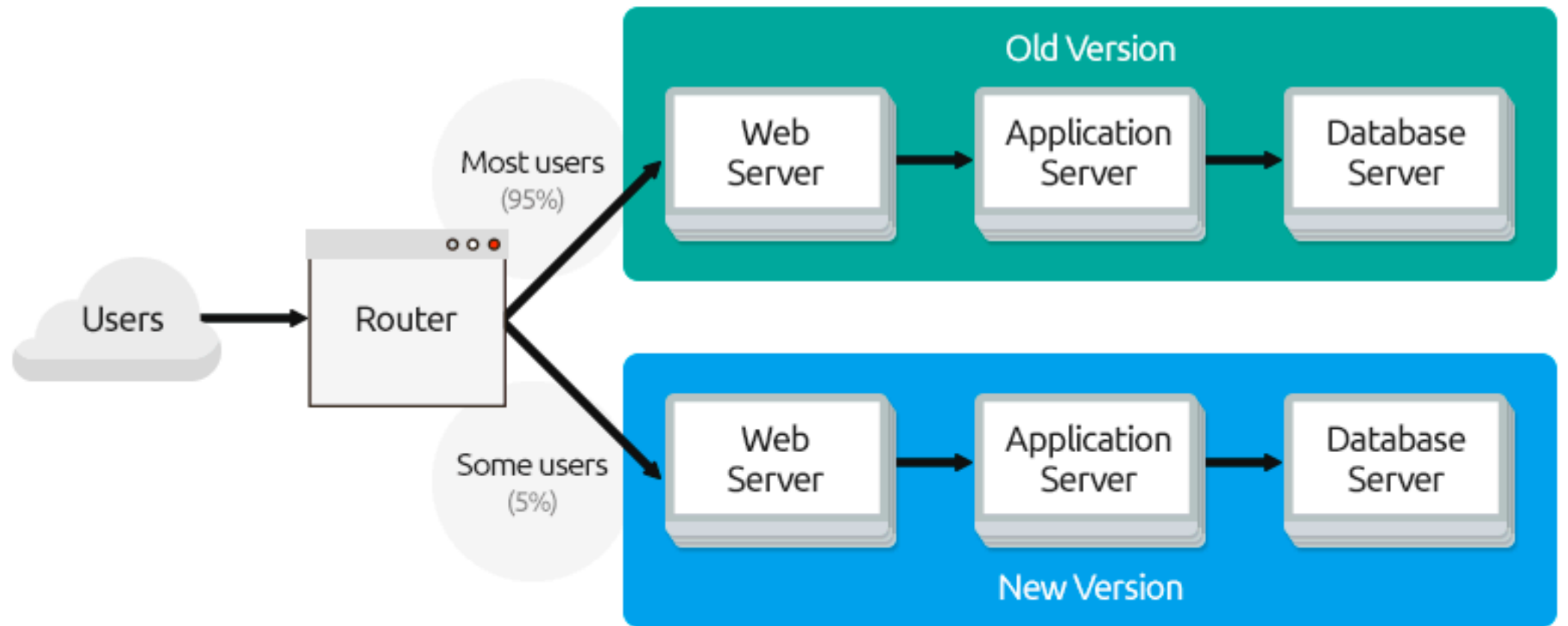
Function Apps

Azure Service Fabric



Windows
Linux
++ Docker

CANARY DEPLOYMENT



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LAB 2

AZURE DEVOPS + DEPLOYMENT SLOTS

CLASE 2

- <http://aka.ms/azure-clase2>