

FIAP

AULA 0

Welcome to the next evolution in higher education.

BEM VINDOS

APRESENTAÇÃO DO PROFESSOR

```
[~]$ whoami
```

```
{  
  "nome": "Lucas Ferreira",  
  "idade": 31,  
  "profissao": [  
    "Sr Software Enginner / DevOps",  
    "Professor na FIAP": [  
      "DevOps & Cloud"  
    ]  
  ],  
  "formacao": [  
    "Graduado em redes de Computadores",  
    "Pós Graduado em DevOps & Cloud",  
    "Pós Graduado em Arquitetura de Soluções"  
  ],  
  "certificacoes": [  
    "Oracle",  
    "Azure",  
    "AWS",  
    "DevOps",  
    "Scrum"  
  ],  
  "valvulas_de_escape": [  
    "Academia",  
    "Comer",  
    "Game",  
    "Futebol",  
    "Viajar"  
  ]  
}
```



print(experiences)



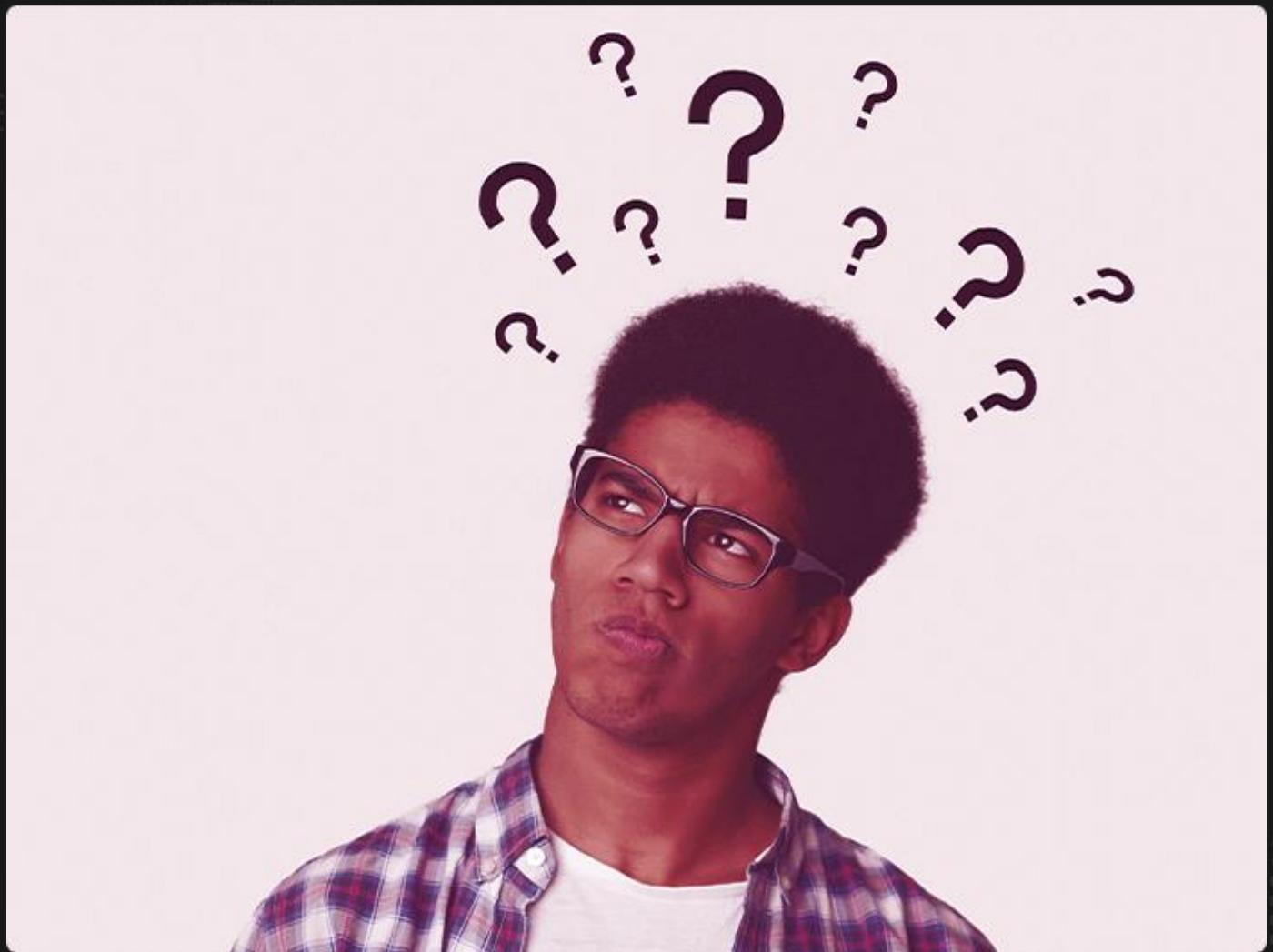
FIAP

```
print(linkedin)
```



O que vocês
esperam desta
disciplina?

Acessem o menti:
[menti.com](https://www.menti.com)
Code: 34805214





FIAP

NOSSAS AULAS

HORÁRIOS DE AULA TECNOLOGOS

Horário Manhã:

Primeira Aula : **7:40** às **9:40**

Intervalo : **9:40** às **10:00**

Segunda Aula: **10:00** às **12:00**

Horário Noite:

Primeira Aula : **19:00** às **21:00**

Intervalo : **21:00** às **21:15**

Segunda Aula: **21:15** às **23:15**

CRITÉRIOS DE AVALIAÇÃO

PROJECT CHECK POINT
CHALLENGE AND
FEEDBACKS

40%

1 SEMANA DE FEEDBACK

GLOBAL SOLUTION

60%

1 SEMANA DE FEEDBACK

PROJECT CHECK POINT
CHALLENGE AND
FEEDBACKS

40%

1 SEMANA DE FEEDBACK

GLOBAL SOLUTION

60%

1 SEMANA DE FEEDBACK

Primeiro Semestre = 40%

Segundo Semestre = 60% 

MODELO AVALIATIVO ANUAL



PROVAS

SUBSTITUTIVAS

Caso o aluno perca alguma etapa da avaliação
Global Solution e Exame, poderá solicitar uma
avaliação **SUBSTITUTIVA**



CRITÉRIOS DE APROVAÇÃO

A Média Anual (MA), será obtida pela média das duas Médias Semestrais.

$$\text{MA} = (40\% \times \text{MS 1º semestre} + 60\% \times \text{MS 2º semestre})$$

Os critérios de aprovação baseiam-se na média semestral (para cursos semestrais) ou na média anual (para cursos anuais) obtida pelo aluno, conforme tabela abaixo:

MÉDIA FINAL (ANUAL OU SEMESTRAL)	SITUAÇÃO
0,0 a 3,9	Reprovado
4,0 a 5,9	Exame
6,0 a 10,0	Aprovado

Caso o aluno fique de Exame, a nota necessária
para a sua aprovação passa a ser:

Nota para aprovação no Exame = (12 – Média Final)

CALENDÁRIO LETIVO

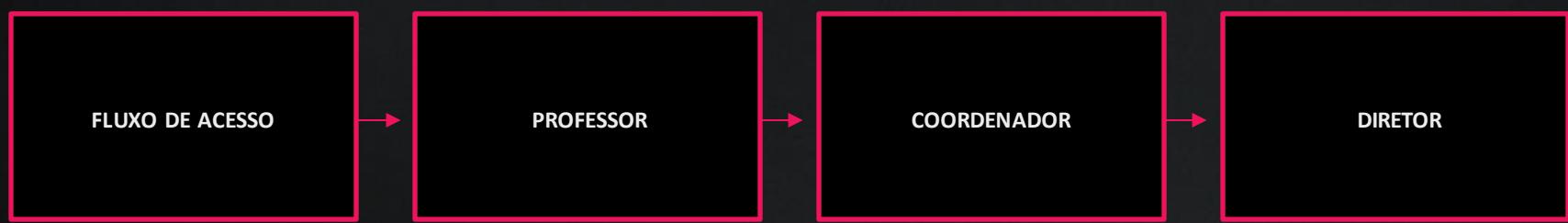
ATENÇÃO!

ATENTAR-SE ao calendário no portal do aluno.
Considerando a época de provas substitutivas,
exames e revisão de provas

NÃO marcar viagens ou qualquer outra
atividade, antes do término efetivo do semestre
letivo.

1º. Semestre:
05/02/2024 a 28/06/2024

2º. Semestre:
01/08/2024 a 20/12/2024



PRÓ REITOR
WAGNER SANCHEZ



FIAP



COORDENADOR
RAFAEL RONQUI

 profrafael.ronqui@fiap.com.br

FIAP

CONTATOS

SECRETARIA

helpcenter@fiap.com.br

FINANCEIRO

financeiro@fiap.com.br

HELP DESK

helpdesk@fiap.com.br

CARREIRAS

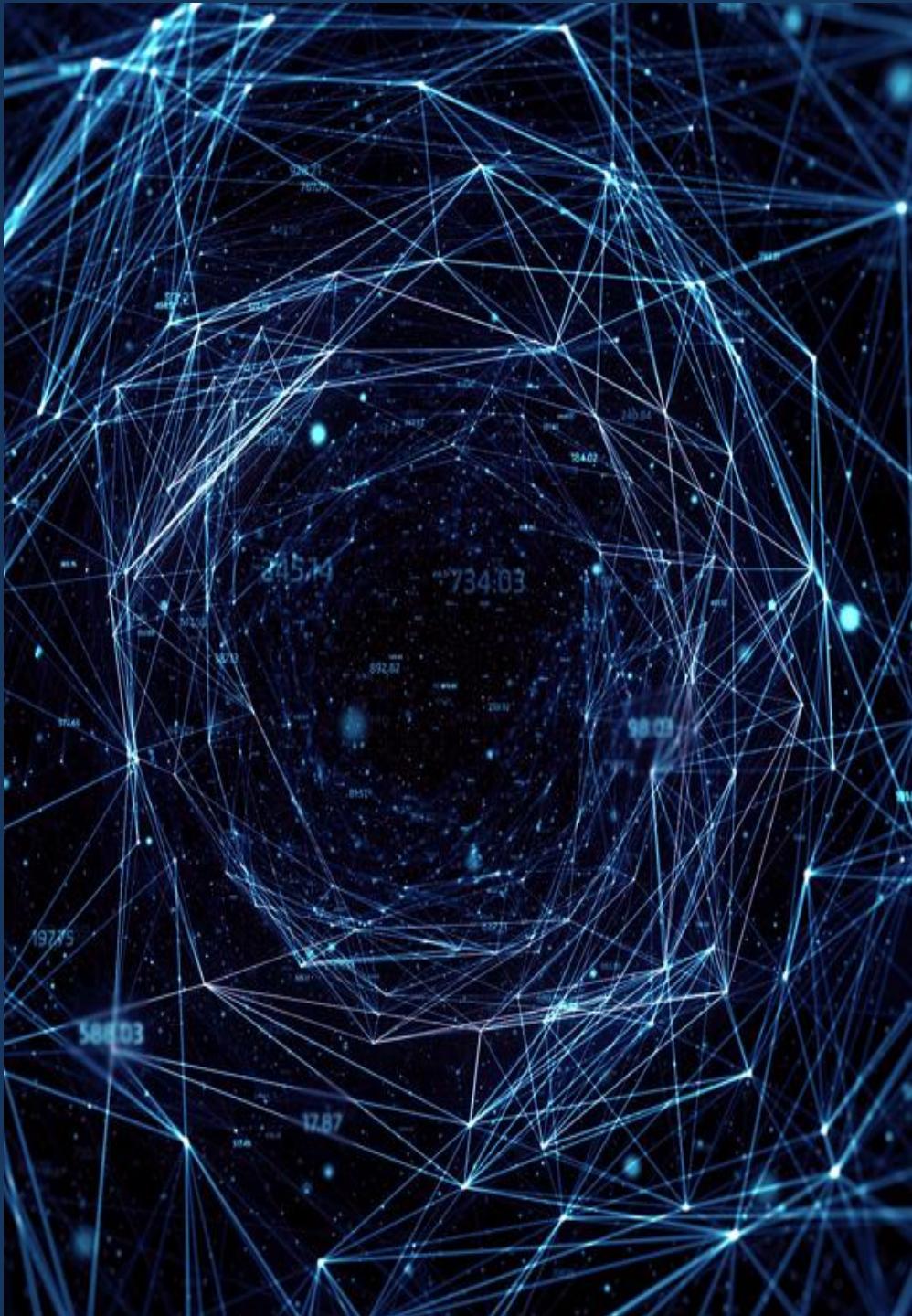
talentlab@fiap.com.br

CONTATOS

HELP DESK

11 98170-0028



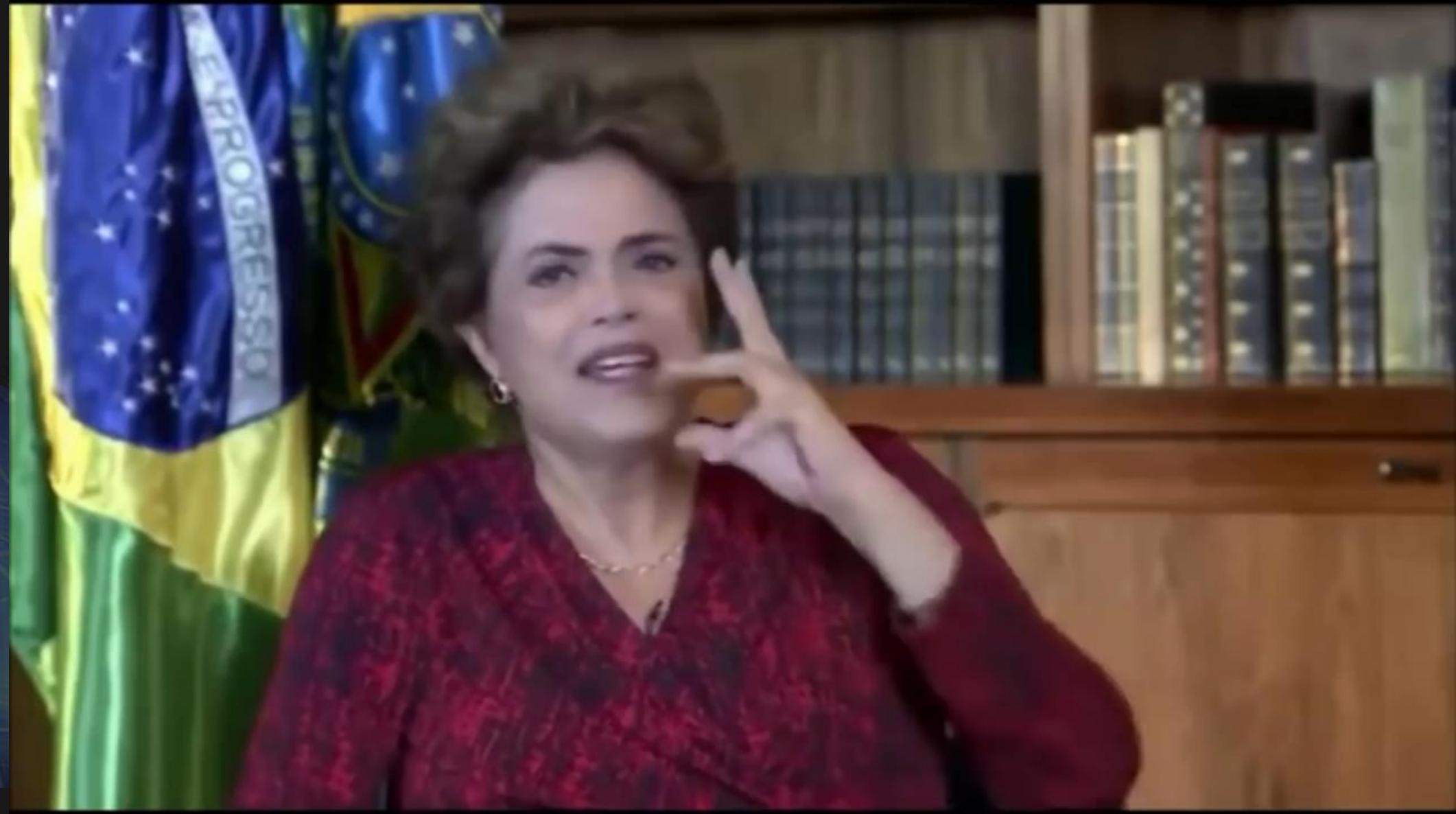


Apresentação da Disciplina

DevOps Tools & Cloud Computing

Lucas Ferreira

proflucas.ferreira@fiap.com.br



Microsoft Azure

The image shows a Microsoft Azure dashboard with a central video player displaying a red cartoon dog running. The dashboard is organized into several sections:

- Security & Management** (Left): Includes icons for Security Center, Azure portal, Azure Active Directory, Azure AD B2C, Multi-Factor Authentication, Automation, Key Vault, Azure Marketplace, VM Image Gallery, and REST API and CLI.
- Platform Services** (Center): A large video player showing a red cartoon dog running. Below the video are tiles for Media Services, Cosmos DB, Azure Search, Azure ML Studio, Stream Analytics, Data Lake Storage, power BI Embedded, Traffic Manager, VPN Gateway, and App Gateway.
- Hybrid Cloud** (Right): Includes icons for Azure AD Connect Health, AD Privileged Identity Management, Domain Services, Backup, Azure Monitor, Import/Export, Azure Site Recovery, and StorSimple.
- Compute** (Bottom Left): Includes icons for Virtual Machines and Containers and Azure Kubernetes.
- Datacenter Infrastructure** (Bottom): Shows a grid of server racks.

Watermarks for "MakeAGIF.com" and "GETIX" are visible at the bottom of the central video area.

Nossa jornada...

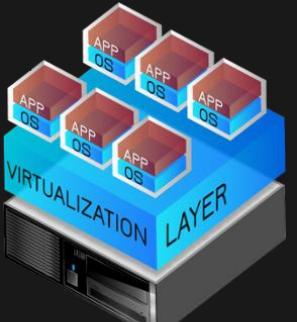
DevOps & Cloud







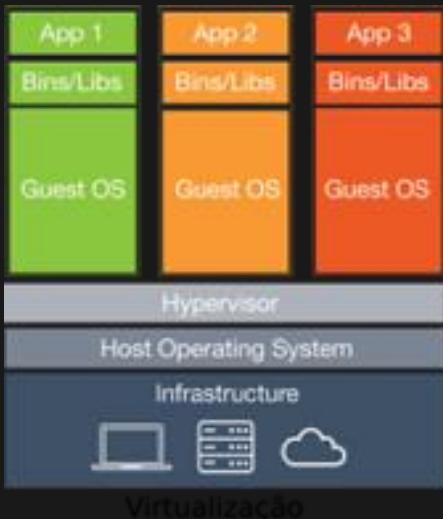
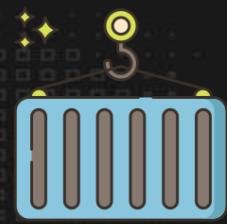
Traditional Server Architecture



Virtualized Server Architecture



O que é? Como funciona?



Ferramentas



>
SSH

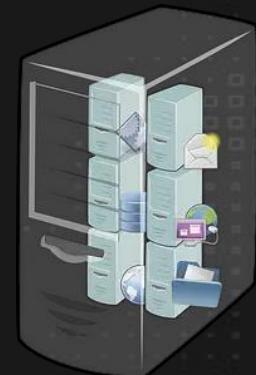


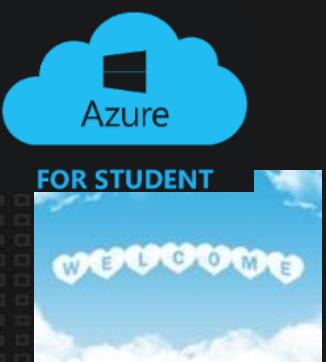
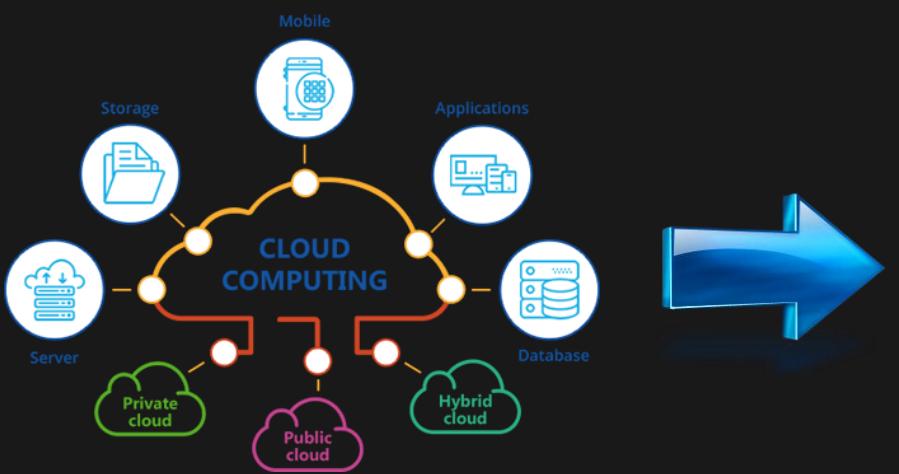
Criação de um Servidor Virtual Oracle Linux (RHEL) On-premisse

Comandos básicos no Linux

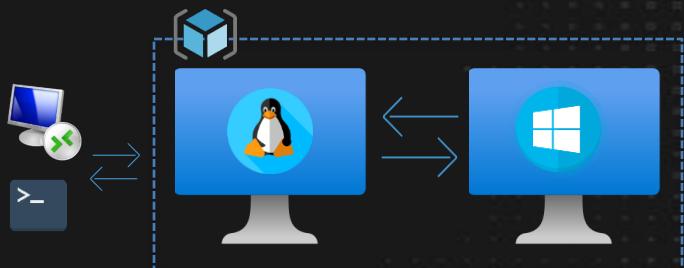
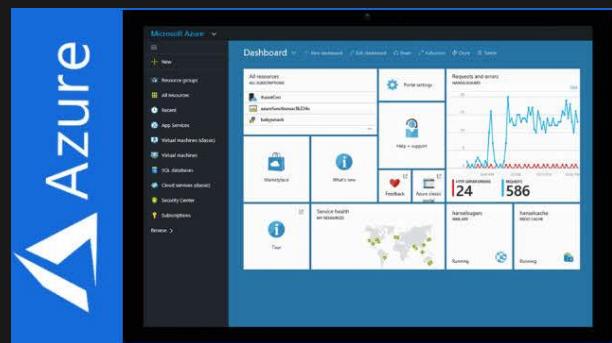
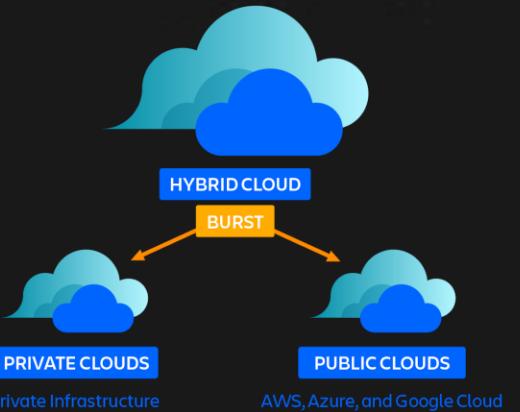
Docker

Docker Compose





O que é? Como funciona?

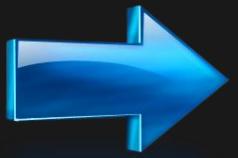


Conhecendo a Microsoft Azure

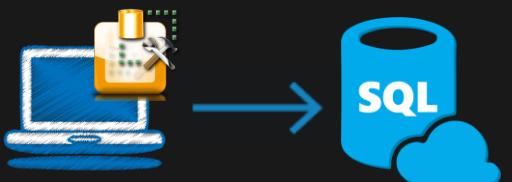
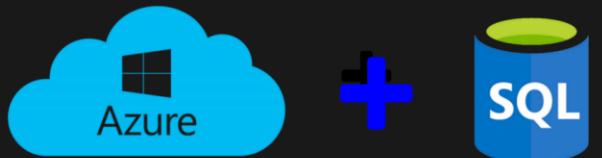
Pricing Calculator

Criando VMs em Nuvem – Linux - IaaS

Criando VMs em Nuvem – Windows - IaaS



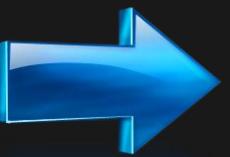
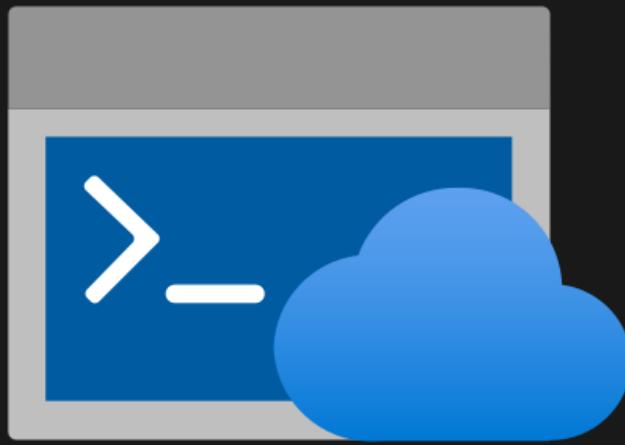
O que é? Como funciona?



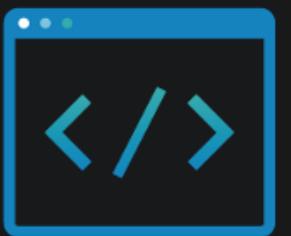
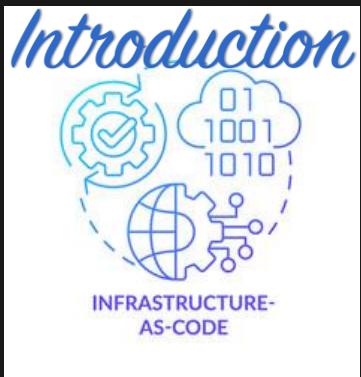
Ferramentas



Banco de Dados Relacional em Nuvem - PaaS



O que é? Como funciona?



Ferramentas



AZURE CLOUD SHELL



Azure CLI

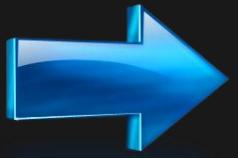


Cloud Infrastructure





Web App



O que é? Como funciona?



Serviços de Aplicativos - PaaS/SaaS:

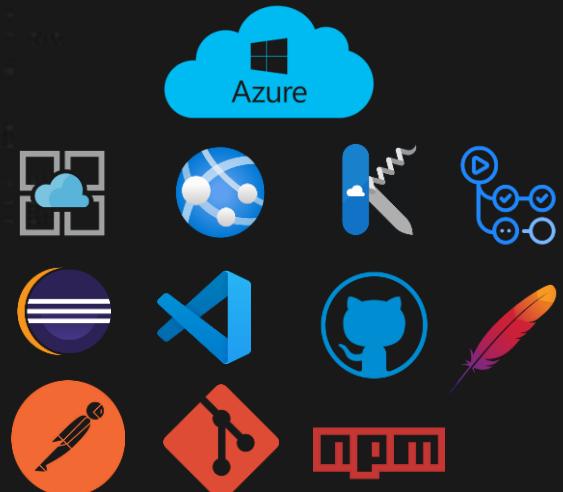
Java Spring Boot com Front

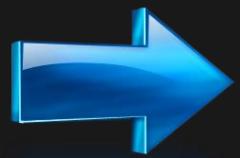
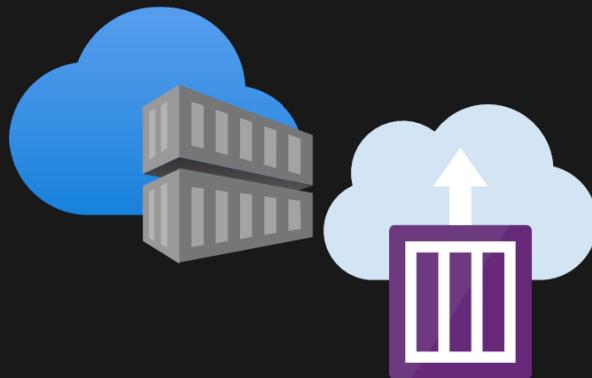
NodeJS / ReactJS com Front

.NET com Front

Java Spring Boot API (BackEnd)

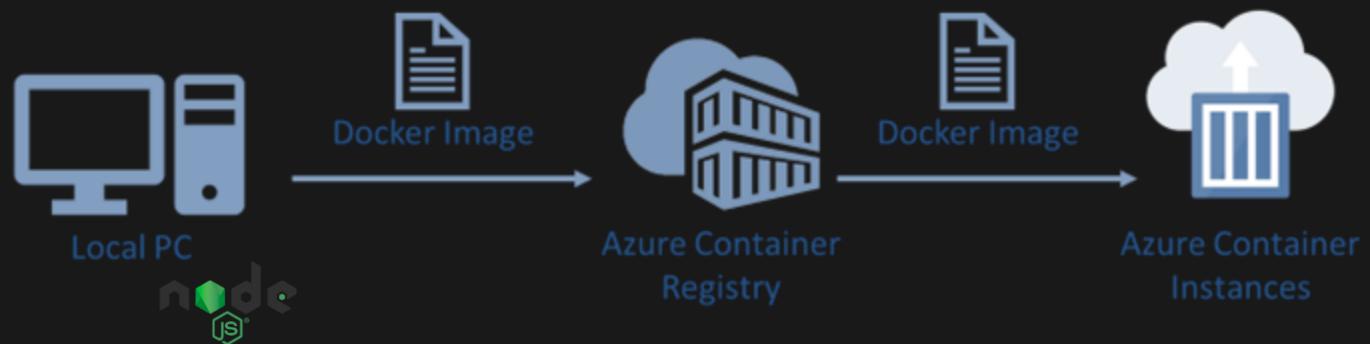
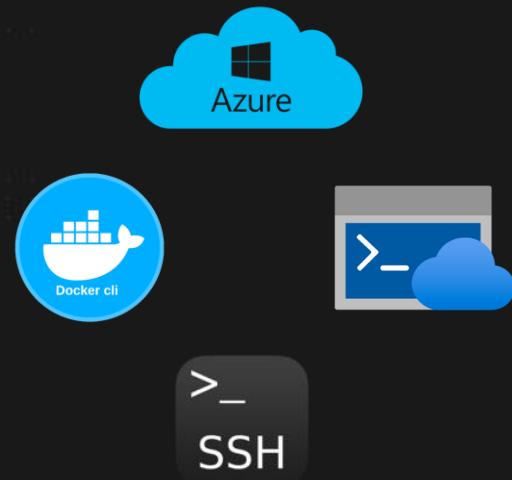
Ferramentas





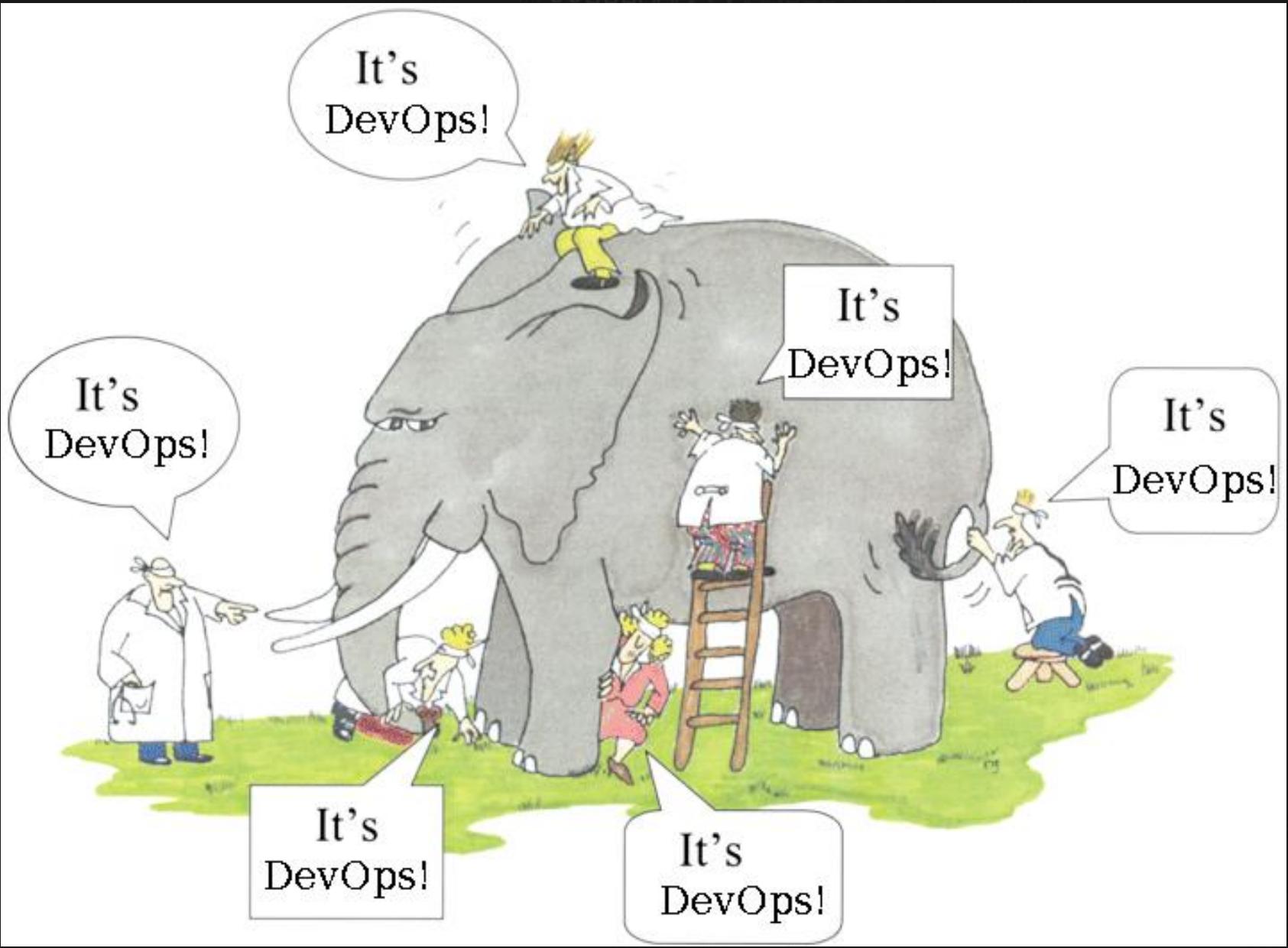
O que é? Como funciona?

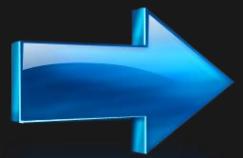
Ferramentas



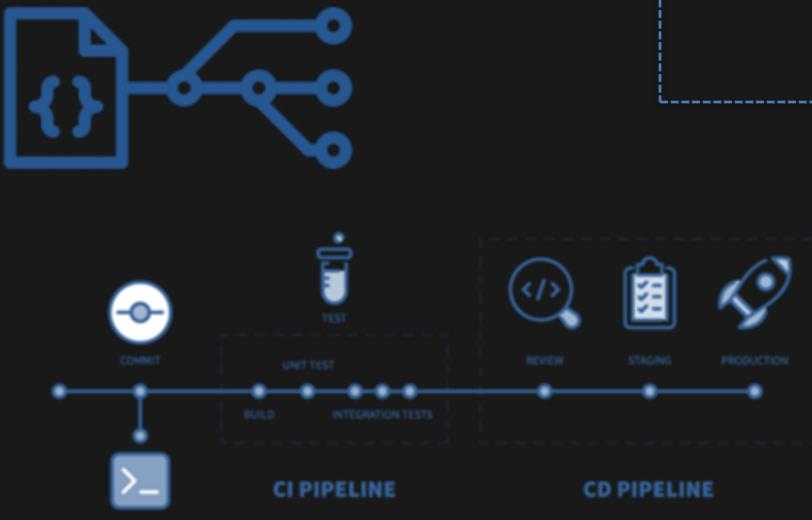
Azure Container Registry (ACR)
Azure Container Instances (ACI)







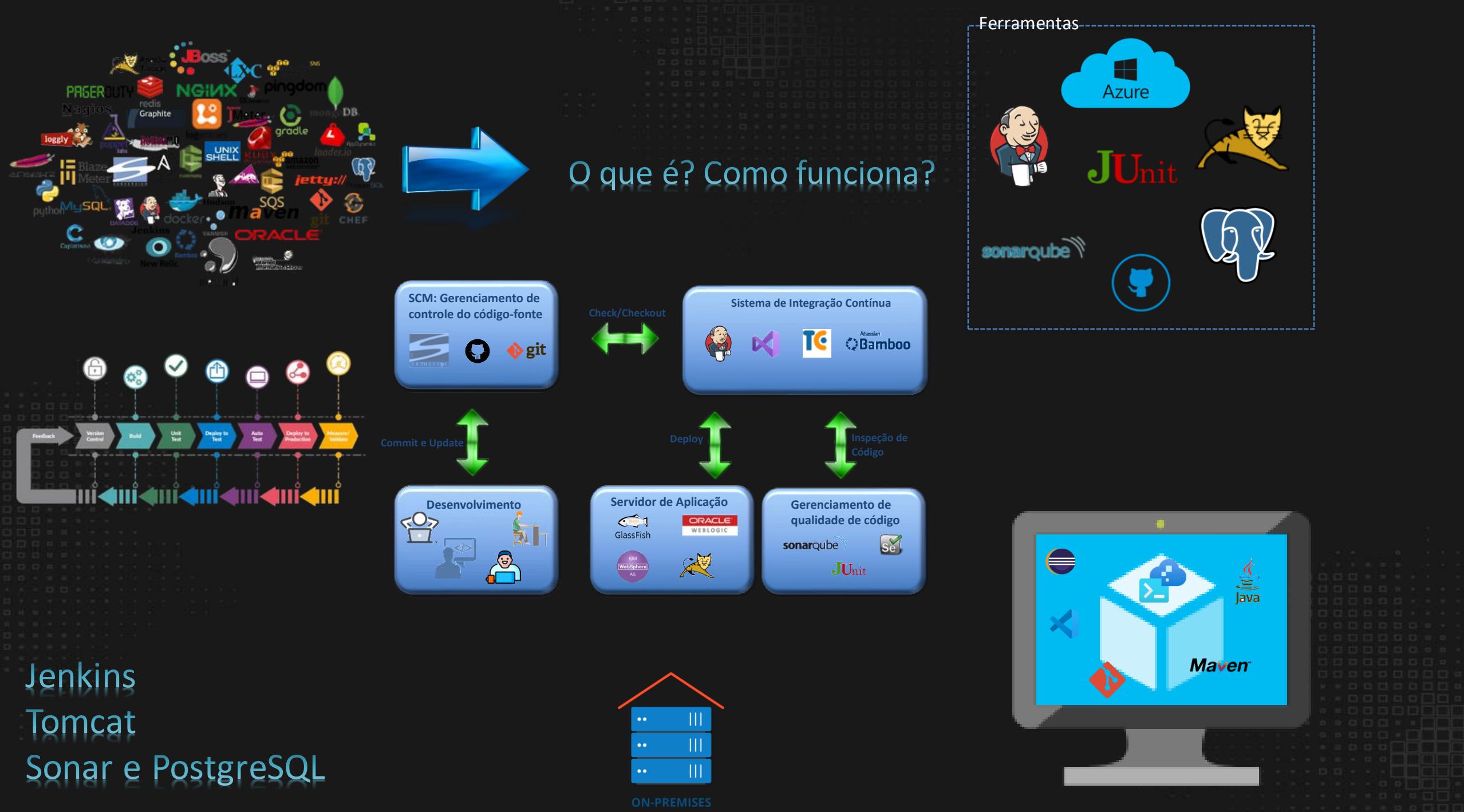
O que é? Como funciona?

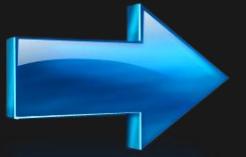


Conceituando DevOps

Ferramentas



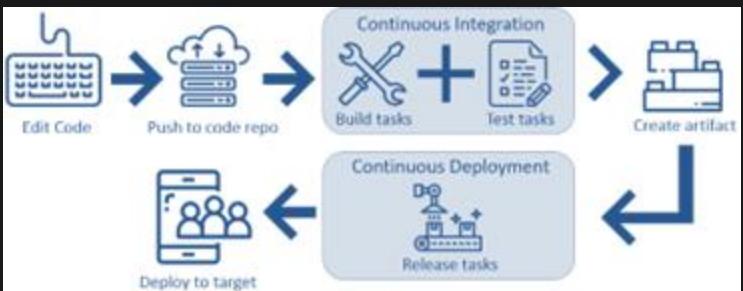
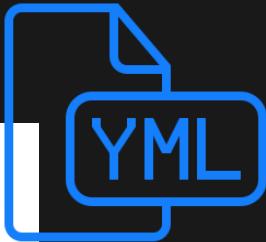




O que é? Como funciona?



Azure Pipelines



Azure DevOps
Azure Pipelines

Ferramentas



Projeto da Disciplina:





Habilidades

- Preparar, monitorar e gerenciar ambientes e recursos em nuvem, tais como: Banco de Dados, Aplicações, Serviços Cognitivos, IoT e vários outros
- Criar e utilizar um ambiente de DevOps, construindo ambientes que integram as áreas de Desenvolvimento de Software, Infraestrutura e Operações
- Obter uma cultura fortemente colaborativa voltada para as equipes que compõem o ciclo de desenvolvimento de software



Referências Websites

<http://www.fiap.com.br>

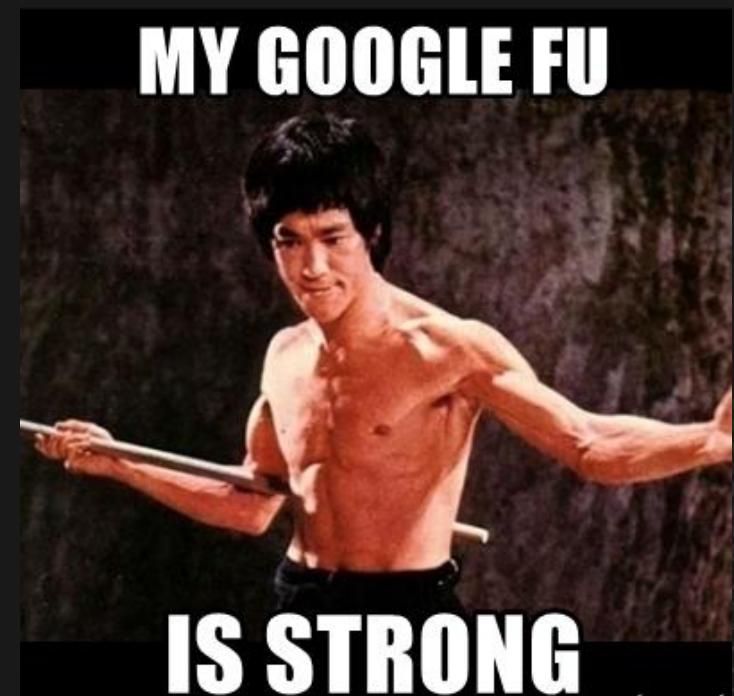
<https://imasters.com.br/>

<https://docs.microsoft.com/pt-br/learn/>

<https://data-flair.training/blogs/>

<https://eduardolegatti.blogspot.com>

<https://www.google.com.br>





Referências

SITES PARA DESAFIOS DE PROGRAMAÇÃO

- codewars.com
- hackerrank.com
- urionlinejudge.com.br
- topcoder.com
- hackerearth.com
- leetcode.com
- codechef.com
- codeforces.com
- spoj.com
- codingame.com



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FÓRUNS PARA PERGUNTAS E RESPOSTAS

- stackoverflow.com
- quora.com
- github.com
- reddit.com
- guj.com.br
- stackexchange.com
- codeproject.com
- programmersheaven.com
- coderanch.com

CANAIS NO YOUTUBE

- Curso em Vídeo
- Código fonte TV
- Rocketseat
- Filipe Deschamps
- Gabriel Pato
- Programador BR
- Universo Programado
- DevMedia
- Rafaella Ballerini
- Girl Coding
- Gabriela Pinheiro

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PODCASTS

- Lambda3
- FalaDev
- 2Devs
- Hipsters
- Sinapse
- O universo da programação
- Papo Web



@SOFTWARENAPRATICA



PÁGINAS DE PROGRAMAÇÃO NO INSTAGRAM

- @kenzo.software
- @algoritmo_delas
- @kamila_code
- @dicasparadevs
- @techly.com.br
- @ga.bielapinheiro
- @gabcodes
- @rafaballerini
- @studytechgram
- @codepw
- @tiger_codes
- @girl.coding
- @thecoderana
- @delealprala
- @programandosolucoes
- @thecoderbr
- @dicasdodev
- @programadoresbrasil
- @go.droid
- @helpdevsoficial
- @maiattodev
- @eu.rafaellamonier
- @garota_developer
- @umdevv
- @iza.dev
- @featurecode_
- @divers_tech
- @programadormaroto

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Oracle Linux 8 - ISO

105 GB

https://drive.google.com/file/d/1QnvuNzGG-_OODJIMHUD3S_gGz1yyzOXf/view?usp=share_link



VirtualBox - Software

https://drive.google.com/file/d/1Sk_oieP5WOEujV7eLGEZ5kKjP21nnonS/view?usp=share_link



https://drive.google.com/file/d/1xHvlGnq2IroOByyb2hFxBFUOyUwXqeG3/view?usp=share_link



VirtualBox - Extension Pack

https://drive.google.com/file/d/1iVa7RguIEpHumZEN5uNTKeyMwERkMai1/view?usp=share_link

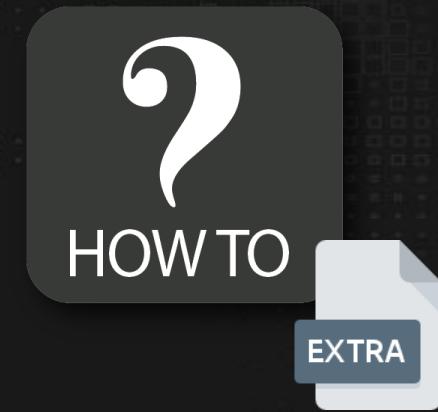


Oracle Linux 8 - VM Pronta



72 GB

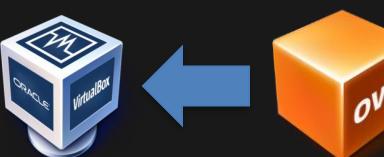
https://drive.google.com/file/d/1saneAe4I7E94kzX7ejtRfPVMT5nv3Kvm/view?usp=share_link



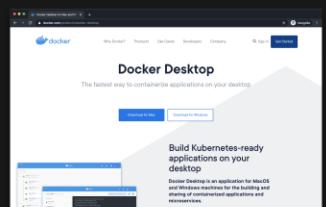
Instalar o VirtualBox e Extension Pack



Importar uma imagem no Virtualbox

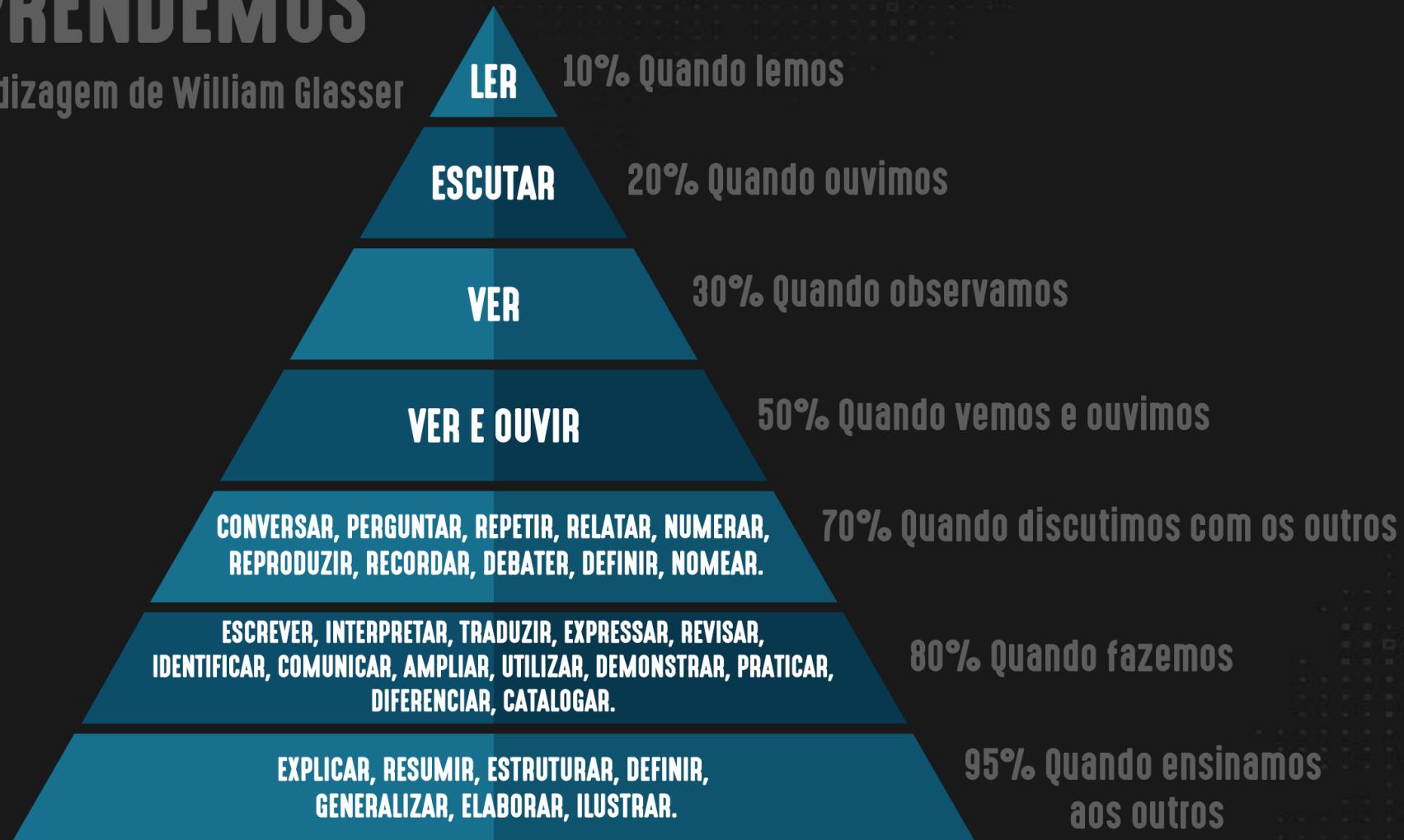


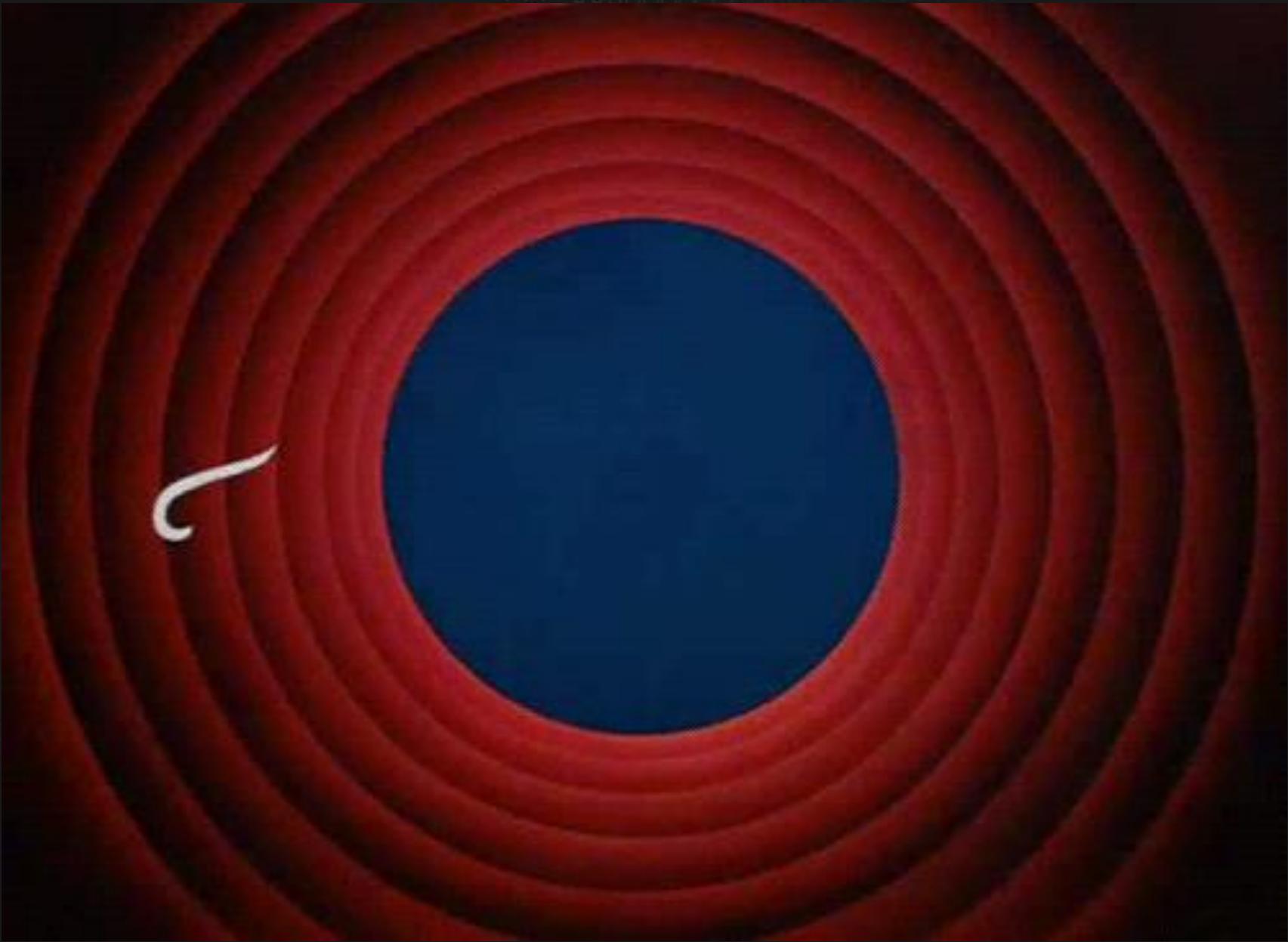
Docker Install – Windows e Mac



COMO APRENDEMOS

A pirâmide de aprendizagem de William Glasser





FIAP

THE WAY WE ARE