

1o | Mobile REST *Summit*

Bem Vindos

Agenda - Manhã



Adriano Santos, Preparar, Compilar e Distribuir API Horse no EC2



Gabriel Oliveira, O que eu aprendi migrando VCL para FMX?



Gabriel Baltazar, Migration, sua estrutura de banco sempre atualizada



Almoço

o

Agenda - Tarde



Fernandes Lima, Pare de estourar prazos!



Adriano Santos, Como me tornar um Dev Android em 02 dias?



Coffe-Break



Newton Oliveira, Desmistificando o desenvolvimento para maquininhas POS



Mario Guedes, O que é e como devo usar o REDIS?



Encerramento

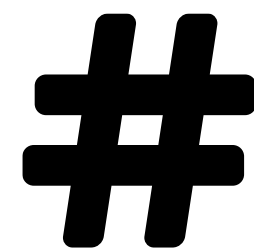
Recados

Fotos, vídeos, fotos e mais vídeos...



@adrianosantostrein

a



#mobilerestsummit2023

1º | Mobile REST *Summit*

Preparando, Compilando e Distribuindo API Horse

Aprenda a distribuir sua api no Linux Amazon EC2











Requisitos, por onde começar?

Delphi

**Versões Community.Edition e
Enterprise
Professional não compilam
para Linux**



Requisitos, por onde começar?

RAD Studio Version	Windows	macOS	iOS	Android	Linux
12 Athens	<ul style="list-style-type: none">Windows 11Windows 10Windows 7 (SP1 +)Windows Server 2022^[1]Windows Server 2019^[2]	<ul style="list-style-type: none">masOS SonomamacOS Ventura^[1]macOS Monterey	<ul style="list-style-type: none">iOS 17^[3]iOS 16^{[1][4]}	<ul style="list-style-type: none">Android 13^[1]Android 12Android 11Android 10	<ul style="list-style-type: none">Ubuntu 22^[1]Ubuntu 20.04 LTSRedHat Enterprise Linux (version 8)Windows 11 computer with WSL2 (Windows Subsystem for Linux)
					
11 Alexandria	<ul style="list-style-type: none">Windows 11Windows 10Windows 7 (SP1 +)Windows Server 2022^[1]Windows Server 2019^[2]Windows Server 2016	<ul style="list-style-type: none">macOS Ventura^[1]macOS MontereymacOS Big Sur^[5]macOS Catalina	<ul style="list-style-type: none">iOS 16^{[1][4]}iOS 15iOS 14	<ul style="list-style-type: none">Android 13^[1]Android 12Android 11Android 10Android 9Android 8.1	<ul style="list-style-type: none">Ubuntu 22^[1]Ubuntu 20.04 LTSUbuntu 18.04 LTSRedHat Enterprise Linux (version 8)Windows 10 computer with WSL2 (Windows Subsystem for Linux)
					

https://docwiki.embarcadero.com/PlatformStatus/en/Main_Page

Requisitos, por onde começar?

Instalando o PAServer no Linux

```
tar -xvf LinuxPAServer22.0.tar.gz
```



C:\Program Files (x86)\Embarcadero\Studio\22.0\PAServer

Requisitos, por onde começar?

Instalando os pacote para compilação

```
sudo apt update
```

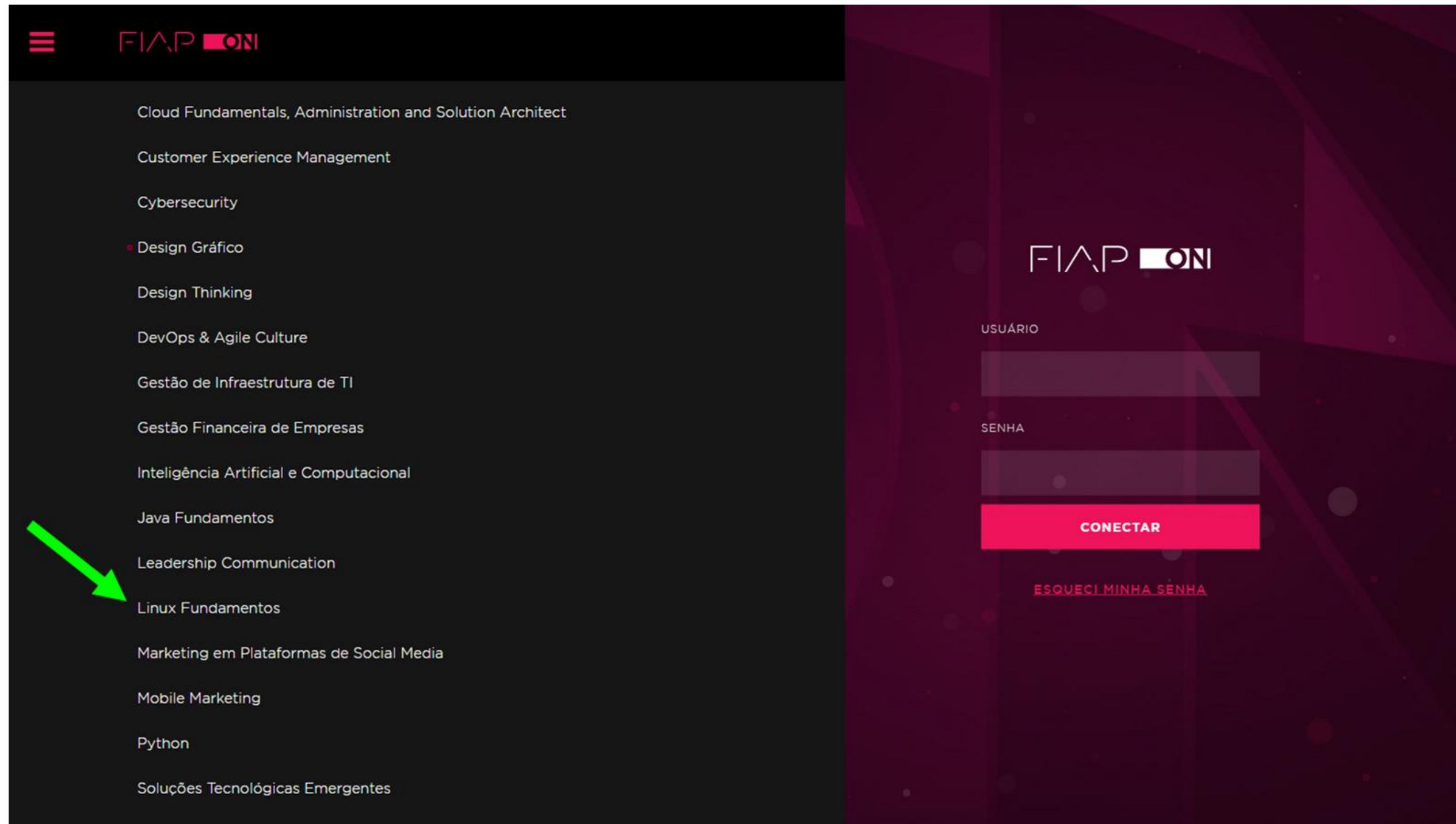
```
sudo apt install build-essential
```

```
sudo apt update
```

```
sudo apt install zlib1g-dev
```

```
sudo apt install gcc
```

Requisitos, por onde começar?



<https://eucapacito.com.br/curso-ec/linux-fundamentos>

Requisitos, por onde começar?

Instalando os pacote para compilação

```
cd PAServer-22.0  
./paserver
```

Requisitos, por onde começar?

Instalando os pacote para compilação

```
ubuntu@ip-172-31-22-124:~/PAServer-22.0$ ./paserver
```

```
Platform Assistant Server  Version 13.3.12.7
```

```
Copyright (c) 2009-2023 Embarcadero Technologies, Inc.
```

```
Connection Profile password <press Enter for no password>:
```

```
Starting Platform Assistant Server on port 64211
```

```
Type ? for available commands
```

```
>
```


Requisitos, por onde começar?

Instalando os pacote para compilação

```
>i  
172.31.22.124  
>
```

Antes de instalar o pacote SDK

▼ Instances

Instances

Instance Types

Launch Templates

Spot Requests

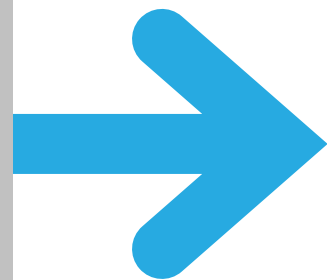
Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations





New



Instance state = running

×

Clear filters

<input type="checkbox"/>	Name  ▼	Instance ID	Instance state ▼
<input type="checkbox"/>	asa-services-poc	i-03bcdfb2c47193087	 Running  



Details | **Security** | Networking | Storage

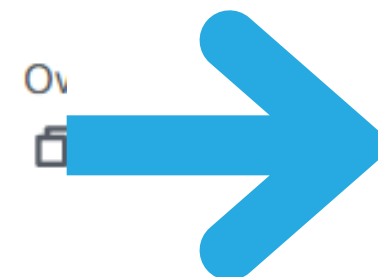
▼ Security details

IAM Role

—

Security groups

sg-02fa71dd8b2e9cc3d (asa-services-poc-sg)



Edit inbound rules

Antes de instalar o pacote SDK

Liberar porta 64211 na Amazon

sgr-0411533ca46e5fc8a

Custom TCP ▼

TCP

64211

Cust... ▼



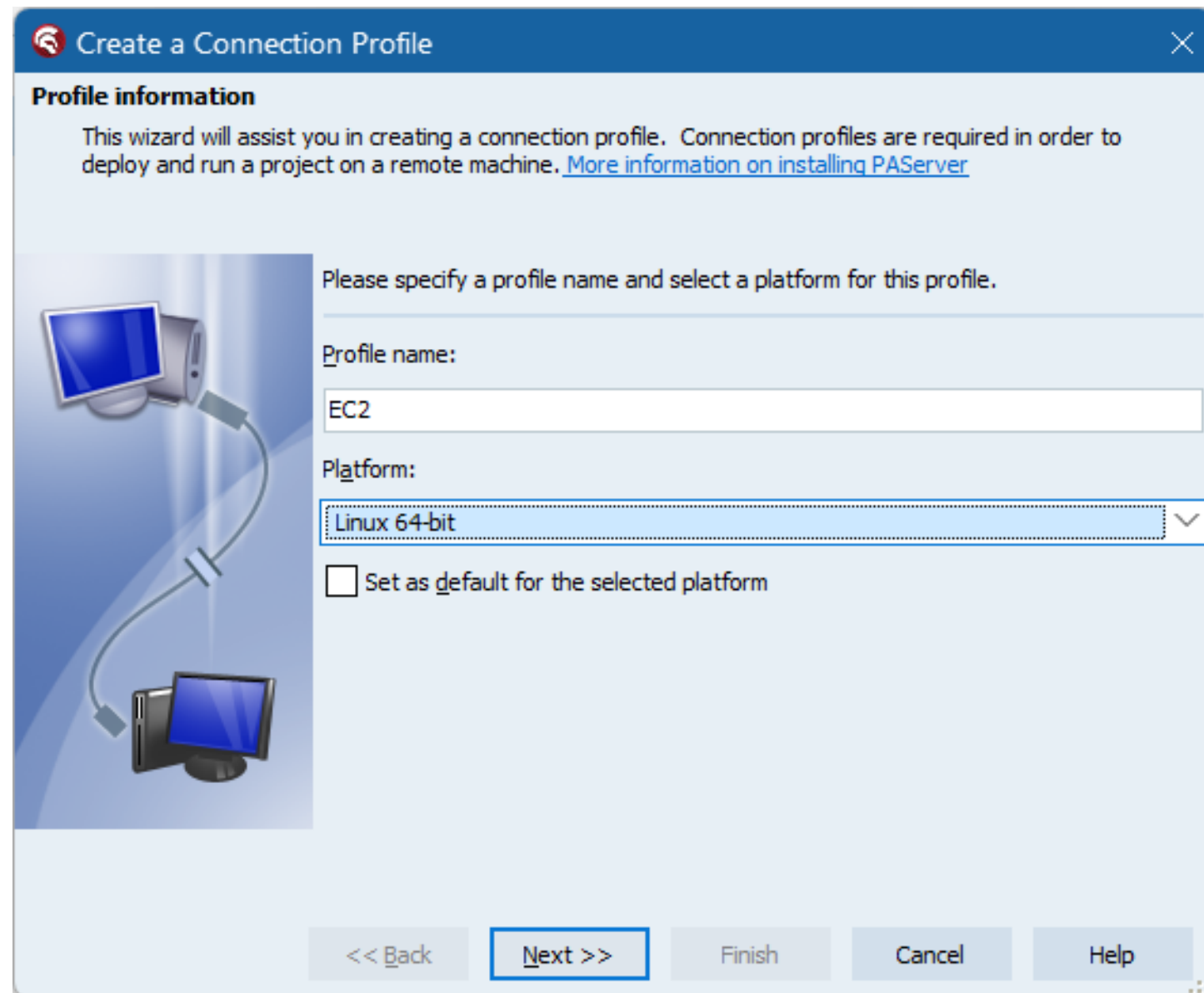
PA Server

Delet
e

189.38.215.156/32 ✕

Requisitos, por onde começar?

Tools > Options > Deployment > Connection Profile Manager



Create a Connection Profile

Profile information

This wizard will assist you in creating a connection profile. Connection profiles are required in order to deploy and run a project on a remote machine. [More information on installing PAServer](#)

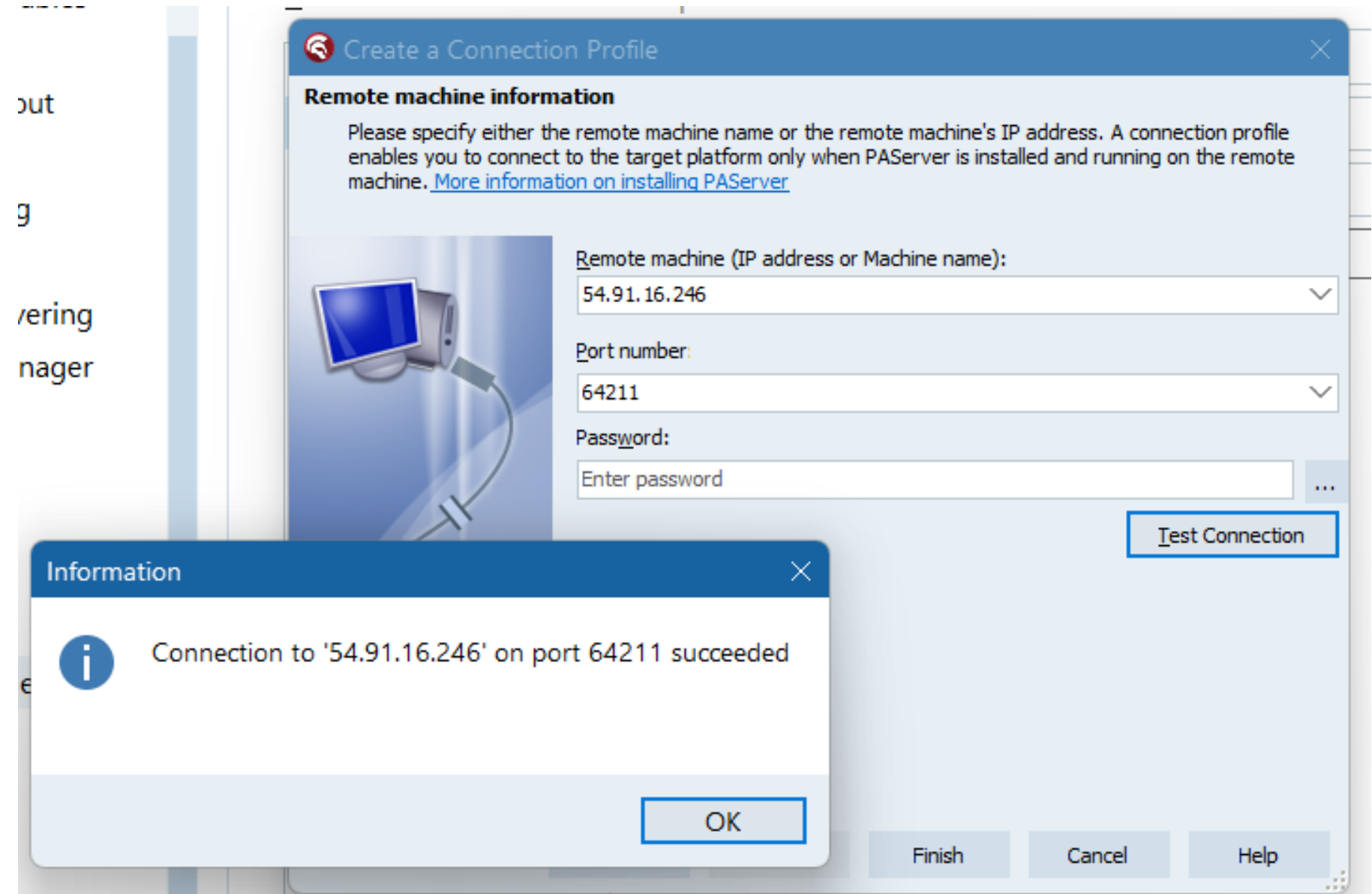
Please specify a profile name and select a platform for this profile.

Profile name:
EC2

Platform:
Linux 64-bit

☐ Set as default for the selected platform

<< Back **Next >>** Finish Cancel Help



Create a Connection Profile

Remote machine information

Please specify either the remote machine name or the remote machine's IP address. A connection profile enables you to connect to the target platform only when PAServer is installed and running on the remote machine. [More information on installing PAServer](#)

Remote machine (IP address or Machine name):
54.91.16.246

Port number:
64211

Password:
Enter password

Test Connection

Information

Connection to '54.91.16.246' on port 64211 succeeded

OK

Finish Cancel Help

Requisitos, por onde começar?

Tools > Options > Deployment > SDK Manager

Add a New SDK

Select a platform:
Linux 64-bit

Select a profile to connect:
EC2, (Host: '54.91.16.246', Port Number: '64211')

Select an SDK version:
Ubuntu 22.04.3 LTS

☒ Make the selected SDK active

OK Cancel Help

Updating Local File Cache

Processing 1 of 9 items

Received 6.493 of 6.493 bytes

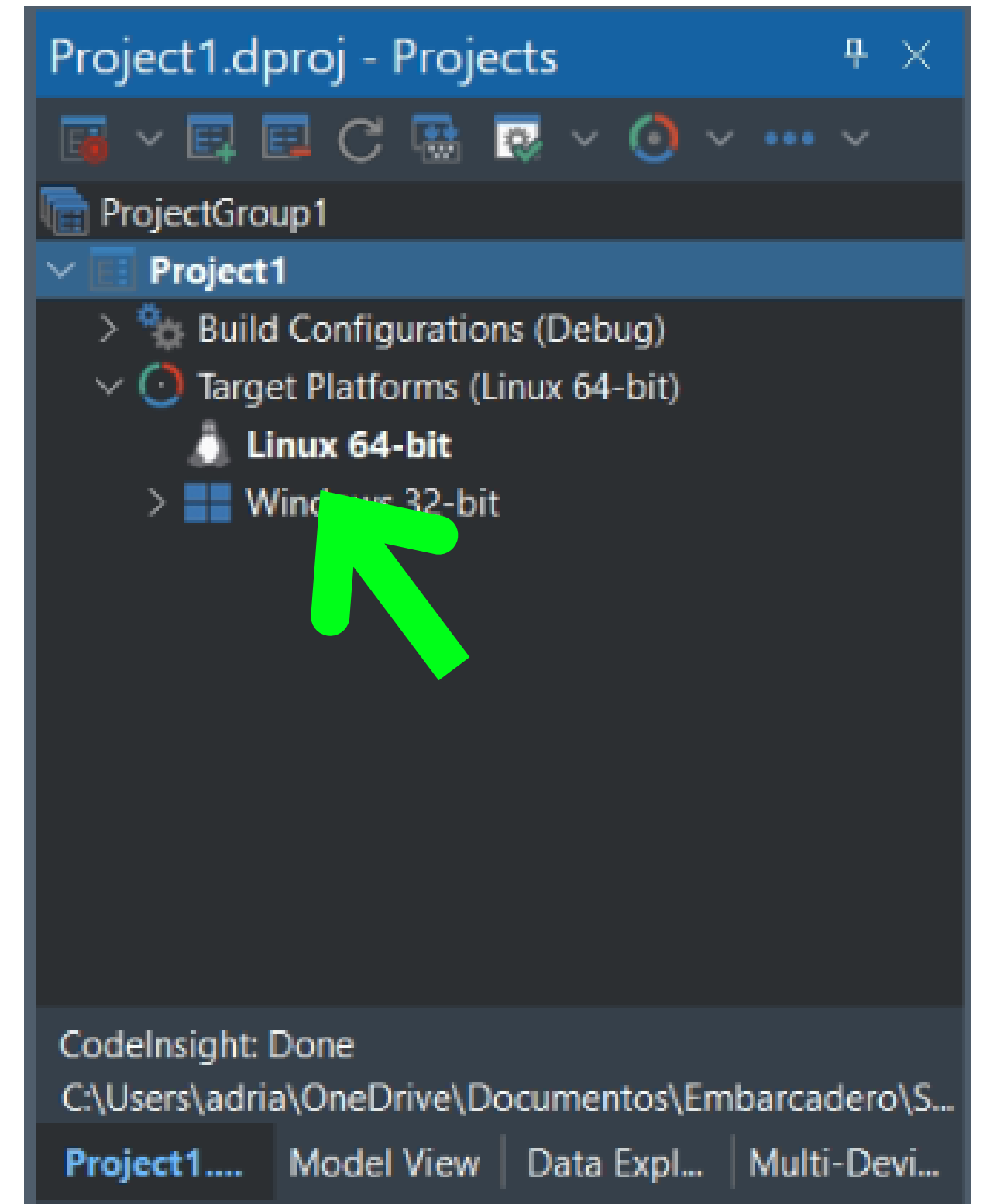
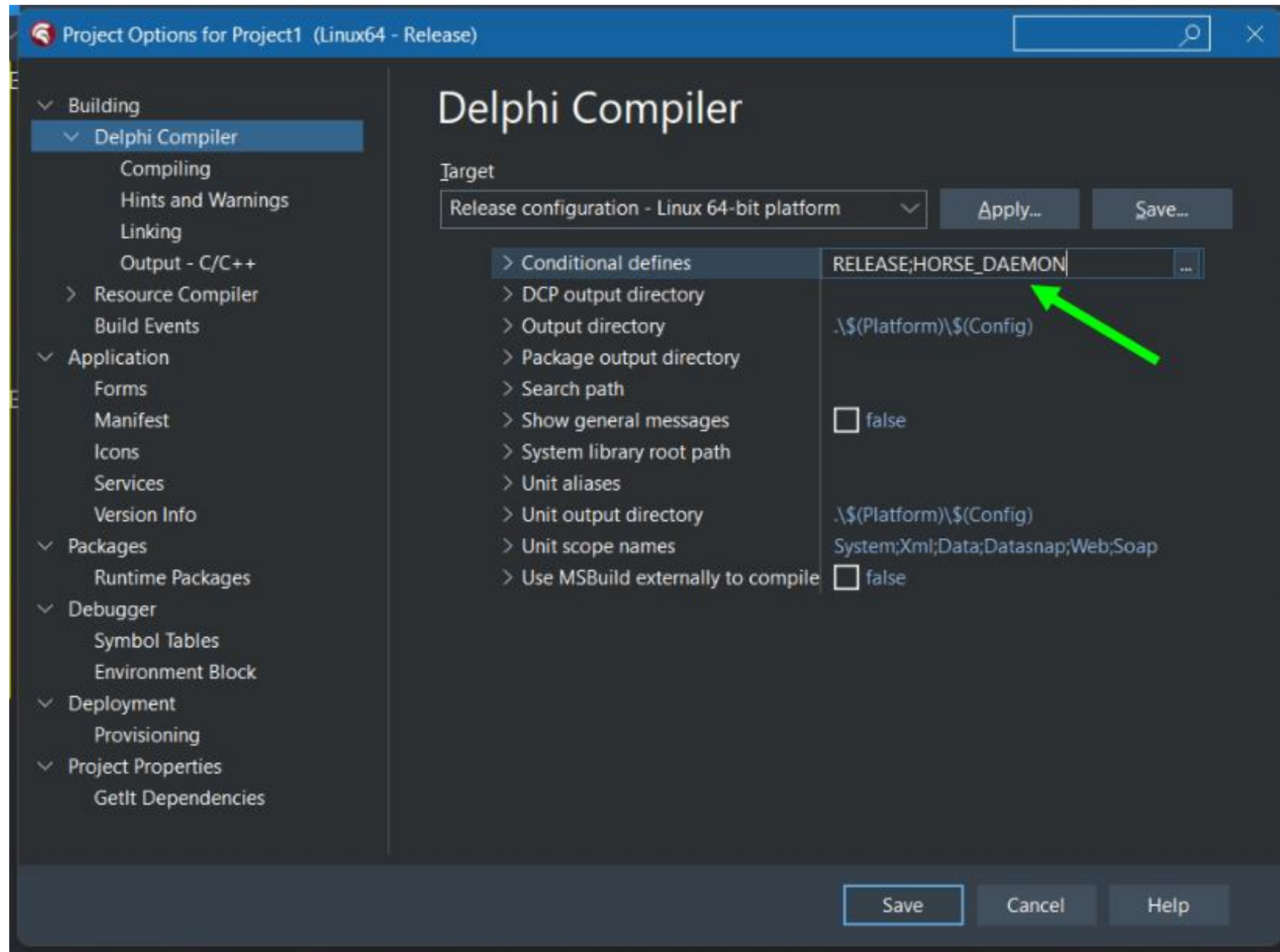
Details

File: blkzoned.h
Path: C:\Users\User\Documents\Embarcadero\Studio\SDKs\ubuntu22.04.sdk\ubuntu22.04\linux\

Log:

Cancel

Compilando para Linux



Preparando pra rodar como serviço

Criando o arquivo de configuração do serviço

```
[Unit]
Description=Descrição do Meu Serviço
After=network.target

[Service]
Type=simple
Restart=always
RestartSec=1
StartLimitInterval=0
ExecStart=/home/ubuntu/services/pasta_meu_servico/nome_meu_binario
WorkingDirectory=/home/ubuntu/services/pasta_meu_servico/
User=root

[Install]
WantedBy=multi-user.target
```

Onde colocar o arquivo meuservico.service

etc/systemd/system
m

Dicas de comandos usando **SYSTEMCTL**

Ativar o serviço

```
sudo systemctl enable nome_servico.service
```

Start o serviço

```
sudo systemctl start nome_servico.service
```

Dicas de comandos usando **SYSTEMCTL**

Parar o serviço

```
sudo systemctl stop nome_servico.service
```

Status do serviço

```
sudo systemctl status nome_servico.service
```

Dicas de comandos usando **SERVICE**

Ativar o serviço

```
sudo systemctl nome_service enable
```

Start o serviço

```
sudo systemctl nome_servico start
```

Dicas de comandos usando **SERVICE**

Parar o serviço

```
sudo systemctl nome_servico stop
```

Status do serviço

```
sudo systemctl nome_servico status
```


Dicas de comandos usando **SERVICE**

ubuntu@ip-172-31-22-124:~/PAServer-22.0\$ sudo service asa status

- **asa.service - ASA Integrations Services**

Loaded: loaded (/etc/systemd/system/asa.service; disabled; vendor preset: enabled)

Active: active (running) since Tue 2023-09-12 00:20:27 UTC; 2 months 11 days ago

Main PID: 226374 (ASA)

Tasks: 5 (limit: 1130)

Memory: 7.7M

CPU: 6min 48.991s

CGroup: /system.slice/asa.service

└─226374 /home/ubuntu/services/asa-integrations/ASA /c

Notice: journal has been rotated since unit was started, output may be incomplete.

ubuntu@ip-172-31-22-124:~/PAServer-22.0\$

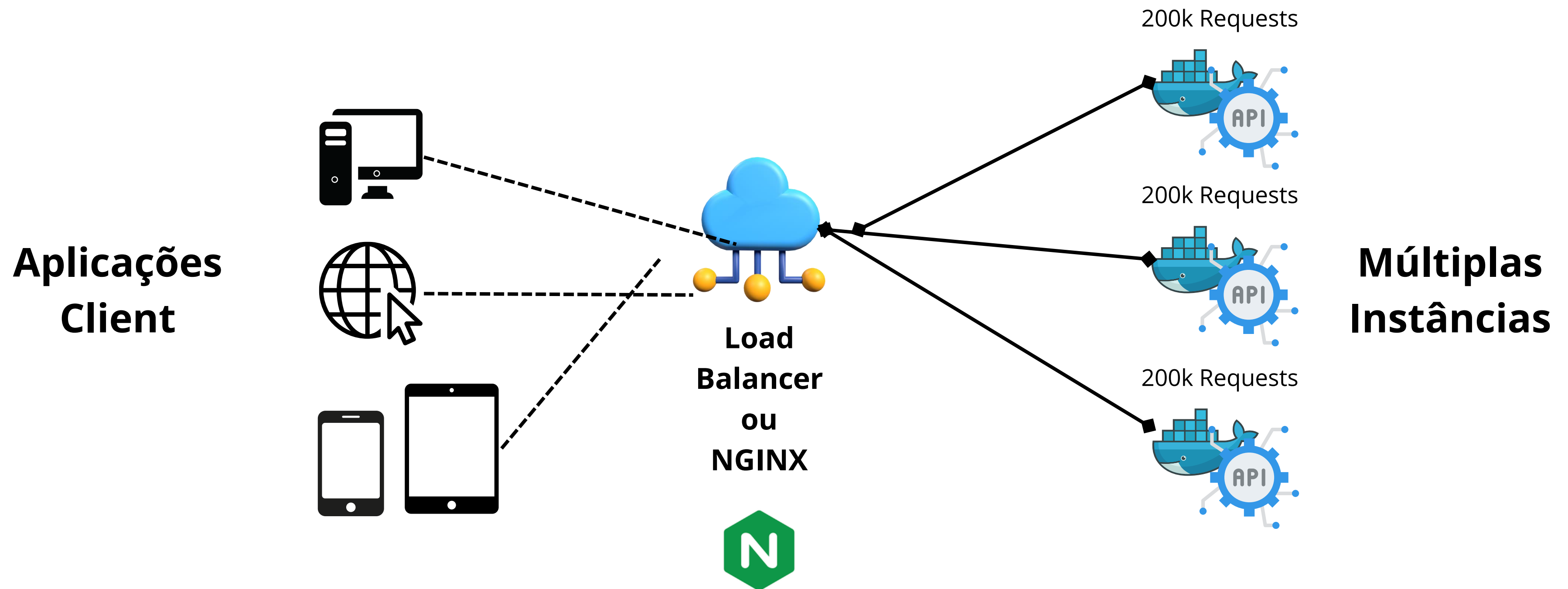
Instalando o Firebird Client

Instalando Firebird Client

```
sudoadd-apt-repositoryppa:mapopa/firebird3.0  
sudoapt-get update  
sudoapt-getinstall firebird3.0-server
```



Dica Final - Docker

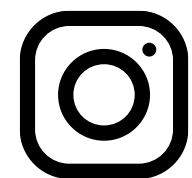


Adriano Santos

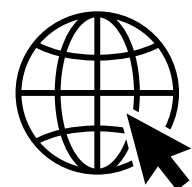
CEO Adriano Santos Treinamentos



@adrianosantostreina



@adrianosantostreina



<https://adrianosantostreina.com.br>



<https://t.me/AdrianoSantosCommunity>





Obrigado