



Oracle AI & n8n

de forma prática

Janeiro/2026

Amanda Machado

Engenheira de IA
Architect da Plataforma de Dados e
Agentes

Declaração de Porto Seguro

O texto a seguir tem como objetivo traçar a orientação dos nossos produtos em geral. É destinado somente a fins informativos e não pode ser incorporado a um contrato. Ele não representa um compromisso de entrega de qualquer tipo de material, código ou funcionalidade e não deve ser considerado em decisões de compra. O desenvolvimento, a liberação, a data de disponibilidade e a especificação de quaisquer funcionalidades ou recursos descritos para produtos da Oracle estão sujeitos a mudanças e são de critério exclusivo da Oracle Corporation.

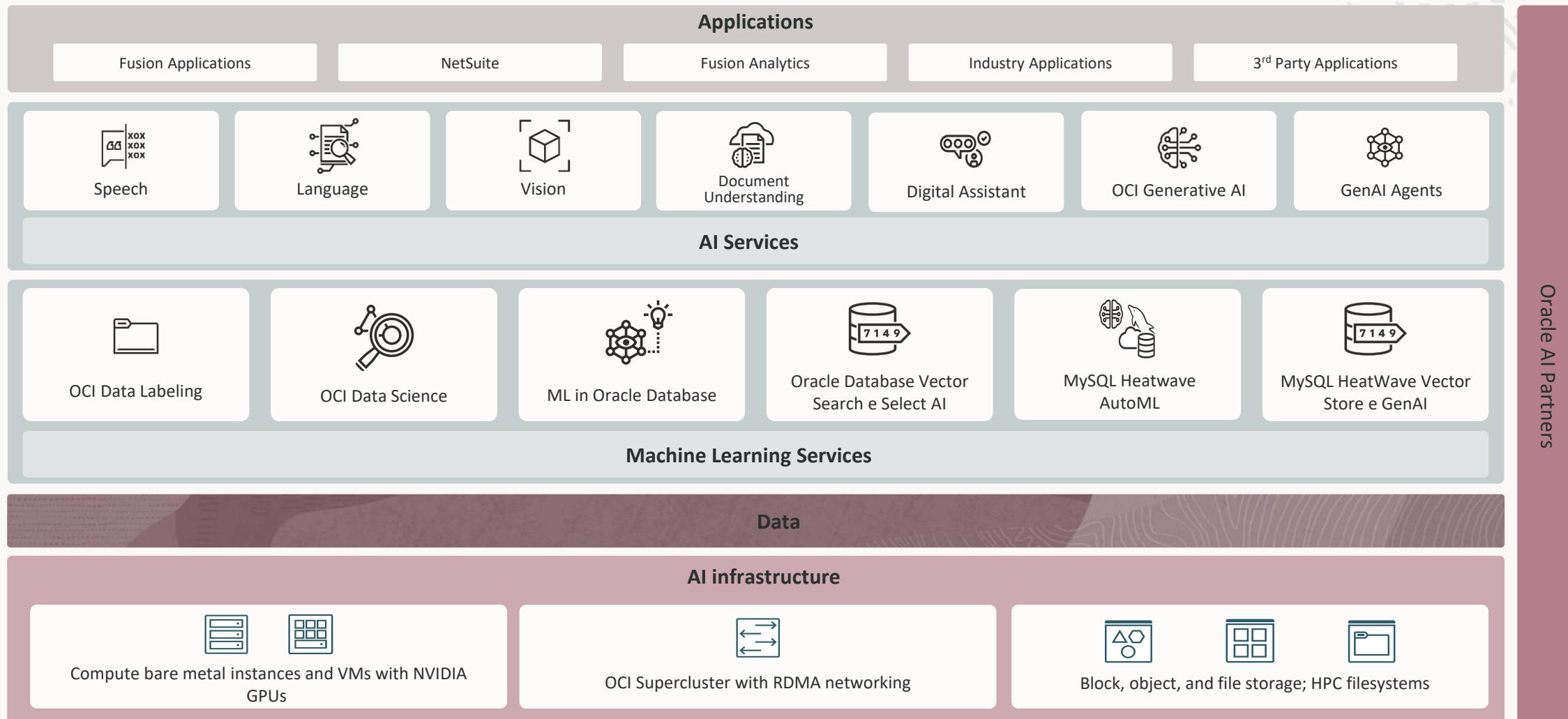
Esta é a tradução de uma apresentação em inglês preparada para a sede da Oracle nos Estados Unidos. A tradução é realizada como cortesia e não está isenta de erros. Os recursos e funcionalidades podem não estar disponíveis em todos os países e idiomas. Caso tenha dúvidas, entre em contato com o representante de vendas da Oracle.





AI Services e Generative AI

Visão geral dos serviços de AI e Generative AI para ambiente corporativo



A ideia é rodar o melhor modelo de Generative AI...
MAS QUAL É O MELHOR?



Llama 3.2 11B

Llama 3.2 vision
90B

Llama 3.3 70B

Llama 3.2 405B

Llama 4 Scout

Llama 4 Maverick



Command R+ 08-
2024

Command R 08-
2024

Command A

Command A
Reasoning

Command A
Vision

Embed
Multilingual 3

Embed
English 3

Embed 4

Rerank 3.5



Grok 3

Grok 3 fast

Grok 3 mini

Grok 3 mini fast

Code-fast-1

Grok 4 fast
reasoning

Grok 4 fast non
reasoning

Grok 4.1 fast
reasoning

Grok 4.1 fast non
reasoning



Gemini 2.5 Pro

Gemini 2.5 Flash

Gemini 2.5 Flash-
lite

Fev

Gemini 3 Pro

Fev

Gemini 3 Flash

Fev

Gemini 3 Flash-
lite



GPT-oss-120B

GPT-oss-20b

E adicionando...



Agent Hub (beta release)

Compatibilidade de modelos LLM e aceleradores para você evoluir mais rápido com agentes.

Compatibilidade e Facilidade de Integração

- APIs compatíveis com OpenAI
- Compatível com frameworks líderes
 - sem necessidade de alterações no código existente.
- Sem lock-in
- Gerenciamento de Memória: Armazenamento de histórico conversacional servidor-side, simplificando o desenvolvimento de aplicações contextuais.

Modelos de última geração



Grok



OpenAI



LLaMA
by Meta

☰ Cloud

Search resources, services, documentation, and Marketplace

Generative AI

Overview

Playground

Chat

Embedding

Dedicated AI clusters

Custom models

Imported models

Endpoints

Private endpoints

Conversation stores

API keys

Scope

Generative AI overview

Power your apps with large language models and generat

OCI Generative AI is a fully managed service that provides a set of state-of-the-art, customizable LLMs that cover a wide range of use cases for text generation. Use the playground to try out the models out-of-the-box or create and host your own fine-tuned custom models based on your own data on dedicated AI clusters.

Metrics in DEMO Compartment

Dedicated AI clusters

0

Custom models

0

Imported mode

0

Get started



Playground



Agent Hub

Na prática

```
from openai import OpenAI

base_url = "https://inference.generativeai.us-chicago-
1.oci.oraclecloud.com/20231130/actions/v1"
api_key = "sk-ujudaisna...12nnfs0123"

client = OpenAI(
    base_url=base_url,
    api_key=api_key
)
```



Oracle
Openai
SDK



https://inference.generativeai.us-chicago-1.oci.oraclecloud.com/20231130/actions/v1/chat/completions

Save Share

POST

https://inference.generativeai.us-chicago-1.oci.oraclecloud.com/20231130/actions/v1/chat/completions

Send

Docs

Params

Authorization

Headers (10)

Body

Scripts

Settings

Cookies

none

form-data

x-www-form-urlencoded

raw

binary

GraphQL

JSON

Schema

Beautify

```
1  {
2    "model": "xai.grok-4",
3    "messages": [
4      {
5        "role": "user",
6        "content": "What's the capital of France?"
7      }
8    ]
9  }
```

Body

Cookies

Headers (4)

Test Results

200 OK

2.96 s 546 B

{ } JSON

Preview

Visualize



```
1  {
2    "id": "46b52fcb-86cd-34c3-4404-38a057d3452b",
3    "object": "chat.completion",
4    "created": 1769631342,
5    "model": "xai.grok-4",
6    "choices": [
7      {
8        "index": 0,
9        "message": {
10          "role": "assistant",
11          "content": "Paris is the capital of France."
12        },
13        "finish_reason": "stop"
14      }
15    ]
16  }
```



REST API
POST

 Identity & Security

< Identity

Overview

Domains

Network Sources

Policies

Compartments

My profile

Policies

Policies

Policies

Search and Filter

Search

Applied filters

Compartment Amanda

Create Policy

Actions ▾



Name

Description

Statements

Created ▾



Search resources, services, documentation, and Marketplace

▼ Brazil East (Sao Paulo)



Create Policy

Name
policyDescription
policy para acesso a todos os recursosCompartiment
Amanda

Policy Builder

[Hide manual editor](#)

Allow any-user to manage all-resources in compartment Amanda

The screenshot shows the OCI navigation bar at the top with the location set to "Brazil East (Sao Paulo)". Below the bar is a user profile dropdown menu. The menu includes the following items:

- Profile
- amanda.machado@oracle.com
- Identity domain: Default
- Tenancy: latinoamericaai
- Language: English
- User settings (highlighted with a red arrow)
- Console settings
- Sign out

At the bottom of the screen, there is a large, semi-transparent watermark or background image of a globe.

A red arrow points to the "User settings" link in the dropdown menu.

Below the dropdown menu, there is a text input field containing a long string of characters: "n37pzlgih4nazp2jvtxdgvd7uiouvtknfckju2hwq". To its right is a "Copy" button.

Identity & Security

Identity

[Overview](#)[Domains](#)[Network Sources](#)[Policies](#)[Compartments](#)[My profile](#)[← Identity](#)

Amanda Machado

[My profile](#)[Actions ▾](#)[Edit my profile](#)[Details](#)[My groups](#)[My requests](#)[My resources](#)[Tokens and keys](#)[Saved passwords](#)[Security](#)[Tags](#)

API keys

 Search and Filter[Search](#)[Add API key](#)[Delete](#) Fingerprint

Created

 37:90:4c:aa:ad:1a:c6:46:bb:71:42:93:bd:cd:0d:04

Fri, Nov 21, 2025, 14:39:06 UTC

...

 99:e2:39:5d:02:39:6b:7c:1a:93:27:b0:73:5e:23:83

Wed, Sep 3, 2025, 17:05:23 UTC

...

 a6:be:6a:cc:35:43:b0:ee:da:e0:71:f1:5d:77:7b:7a

Fri, Jan 9, 2026, 12:46:35 UTC

...



Navigation menu

Identity & Security

< Identity

Overview

Domains

Network Sources

Policies

Compartments

My profile



Add API key

Note: An API key is an RSA key pair in PEM format used for signing API requests. You can generate the key pair here and download the private key. If you already have a key pair, you can choose to upload or paste your public key file instead. [Learn more](#)

Generate API key pair

Choose public key file

Paste a public key

Download private key

Download the private key. It will not be shown again. After you download it, [change the file permissions](#) so only you can view it

Download public key



Close

Add

Salve essa informação em um bloco de nota

The screenshot shows the Oracle Cloud Identity & Security interface. The left sidebar is titled "Identity & Security" and includes options like "Identity", "Overview", "Domains", "Network Sources", "Policies", "Compartments", and "My profile". The "My profile" option is currently selected. The main content area is titled "Configuration file preview". It contains a note about pasting the configuration snippet into an OCI config file, a "Fingerprint" section with the value "37:90:4c:aa:ad:1a:c6:46:bb:71:42:93:bd:cd:0d:04", and a large text box showing the configuration snippet:

```
[DEFAULT]
user=ocid1.user.oc1..aaaaaaaaauwos46nggtfrwkxdusct5rj64ba55psymxw72io62t6tn7ujiya
fingerprint=37:90:4c:aa:ad:1a:c6:46:bb:71:42:93:bd:cd:0d:04
tenancy=ocid1.tenancy.oc1..aaaaaaaaakzuzfystmhyj7je5x7ymwd3ofd7wb6rtsfrx7nvbo272vta3rwna
region=us-ashburn-1
key_file=<path to your private keyfile> # TODO
```

Below the configuration snippet, there is a "Configuration file preview" label, the configuration text, and a "Copy" button. At the bottom right of the main content area is a "Close" button.



Search

Networking

Home

Compute

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Networking

Oracle AI Database

Databases

Analytics & AI

Developer Services

Identity & Security

Observability & Management

Overview

Virtual cloud networks

Web Application Acceleration

Load balancers

Overview

Load balancer

Network load balancer

DNS management

Overview

Public zones

Private zones

Traffic management steering policies

Customer connectivity

Overview

Virtual cloud networks

Site-to-Site VPN

FastConnect

Dynamic routing gateway

Customer-premises equipment

Cluster Placement Groups

Cluster Placement Groups

IP management

Overview

Reserved public IPs

BYOIP

Public IP pools

Network Command Center

Overview

Network visualizer

Network Path Analyzer

Inter-region latency

Capture filters

VTAPs

Flow logs



Networking

[Overview](#)[Virtual cloud networks](#)[Web Application Acceleration](#)[Load balancers](#)[DNS management](#)[Customer connectivity](#)[Cluster Placement Groups](#)[IP management](#)[Network Command Center](#)

Virtual Cloud Networks

Virtual Cloud Networks (VCNs) are private virtual networks you set up in Oracle Cloud Infrastructure. You can attach gateways, route tables, and...

Search and Filter

[Search](#)[Applied filters](#) Compartment [Amanda](#)[Create VCN](#)[Actions ▾](#)[Start VCN Wizard](#)[View or manage logs](#)[Name](#)[simple-vcn](#)[Available](#)

10.0.0.0/16

IPv6
Prefix[Default Route Table](#)[default route table for simple-vcn](#)[DNS Domain Name](#)[simplevcn.oraclevcn.com](#)

Page 1 of 1 (1 - 1 of 1 total items)

Items per page

25

Networking

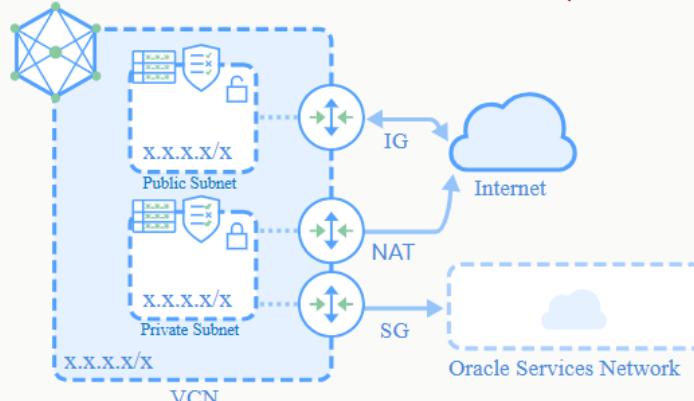
[Overview](#)[Virtual cloud networks](#)[Web Application Acceleration](#)[Load balancers](#)[DNS management](#)[Customer connectivity](#)[Cluster Placement Groups](#)[IP management](#)[Network Command Center](#)

Start VCN Wizard

To make it easier to set up a virtual cloud network (VCN) and connect to it, the Console has the following wizards that walk you through network setup.

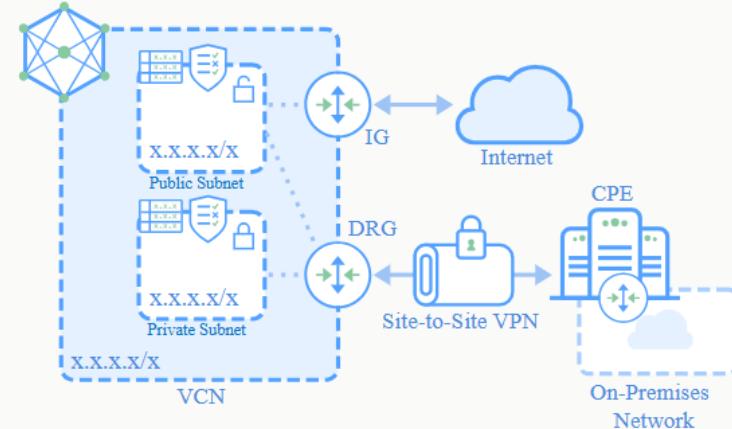
Connection Type

Create VCN with Internet Connectivity



Creates a VCN with a public subnet that can be reached from the internet. Also creates a private subnet that can connect to the internet through a NAT gateway, and also privately connect

Add Internet Connectivity and Site-to-Site VPN to a VCN



Adds a Site-to-Site VPN between your on-premises network and a VCN you select. If the VCN has a public subnet an Internet Gateway is also added.

[Cancel](#)[Start VCN Wizard](#)



Cloud



Search resources, services, documentation, and Marketplace

▼ Brazil East (Sao Paulo)



Configuration

Required

- Public subnet
- Private subnet
- Internet gateway (IG)
- NAT gateway (NAT)
- Service gateway (SG)

Basic information

VCN name
vcn-n8n



The VCN name will be incorporated into the names of all the components that are created.

Compartment
Amanda

Configure VCN

VCN IPv4 CIDR block

Tasks Completed 0 of 1

Cancel

Previous

Next





Review and create



⚠ Warning

Resource availability checked successfully.

[Close](#)

Oracle VCN

Name

vcn-n8n

Compartment

Amanda

Tags

VCN: 2026-01-31T13:17:58.431Z

IPv4 CIDR block

10.0.0.0/16

Tasks Completed 1 of 1

Cancel

Previous

Create



Sua VCN com acesso a internet acaba de ser criada

☰ Cloud

Search resources, services, documentation, and Marketplace

Brazil East (Sao Paulo)



Create VCN with internet connectivity



Configuration

Required



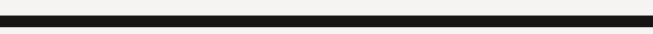
Review and create

Creating resources

Create VCN

vcn-n8n

100%

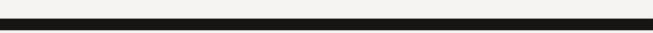


Done

Create subnets

public subnet-vcn-n8n

100%



Done

private subnet-vcn-n8n

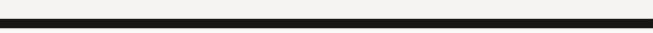
Done

Create internet gateway

Tasks Completed

1 of 1

100%



Cancel

Previous

View VCN

Networking

Overview

Virtual cloud networks

Web Application Acceleration

Load balancers >

DNS management >

Customer connectivity >

Cluster Placement Groups >

IP management >

Network Command Center >



← Virtual Cloud Networks

vcn-n8n

Available

Virtual Cloud Network

Actions ▾

Details

IP administration

Subnets

Gateways

Routing

Private service access

Security

VLANs

Work requ

>

Security Lists

If you're having problems, use [Network Path Analyzer](#) to check your connections.



Search and Filter

Search

Applied filters

Compartment Amanda

Create Security List



Name

State

Created ▾

security list for private subnet-vcn-n8n

Available

Jan 31, 2026, 13:18 UTC

...

Default Security List for vcn-n8n

Available

Jan 31, 2026, 13:18 UTC

...





Navigation menu

Networking

Overview

Virtual cloud networks

Web Application Acceleration

Load balancers

DNS management

Customer connectivity

Cluster Placement Groups

IP management

Network Command Center



← vcn-n8n

Default Security List for vcn-n8n

Available

Actions ▾

Security List

Instance traffic is controlled by [firewall rules](#) on each Instance in addition to this Security List

Details

Security rules

Tags

Ingress Rules

Search and Filter

Search

Add Ingress Rules

Actions ▾

<input type="checkbox"/>	Stateless	Source	IP Protocol	Source Port Range	Destination Port Range	Type and Code	Allows	...
<input type="checkbox"/>	No	0.0.0.0/0	TCP	All	22		TCP traffic	...
<input type="checkbox"/>	No	0.0.0.0/0	ICMP	3. 4		ICMP traffic		...

Add Ingress Rules

Ingress Rule 1

Allows TCP traffic for ports: all

Stateless



To enable bidirectional traffic flow, make sure a complementary rule in the opposite direction exists. Learn about [stateful and stateless rules](#).

Source Type
CIDR

Source CIDR
0.0.0.0/0

IP Protocol
TCP

Source Port Range
All

Destination Port Range
3389,5678

Description



Criando uma instância Windows

Também é possível fazer com Ubuntu [\[clique aqui\]](#)

Search

Compute

Home

Compute

Storage

Networking

Oracle AI Database

Databases

Analytics & AI

Developer Services

Identity & Security

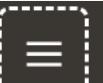
Observability & Management

Compute

[Overview](#) [Instances](#)[Instance Maintenance](#)[Dedicated Virtual Machine Hosts](#)[Instance Configurations](#)[Instance Pools](#)[Cluster Networks](#)[Compute Clusters](#)[Autoscaling Configurations](#)[Capacity Reservations](#)[Custom Images](#)

Secure Desktops

[Desktop Pools](#)[Desktop Volumes](#)



Navigation menu

Compute

< Compute

Overview

Instances

Instance Maintenance

Dedicated Virtual Machine Hosts

Instance Configurations

Instance Pools

Cluster Networks

Compute Clusters

Autoscaling Configurations

Instances

An [instance](#) is a compute host. Choose between virtual machines (VMs) and bare metal instances. The image that you use to launch an instance determines its operating system and other software.

 Search and Filter

Search

Applied filters

Compartment Amanda

Create instance

Actions ▾

Name	State	Public IP	Private IP	Shape	OCPU count	Memory (GB)	Availability domain	Fault domain	Created
------	-------	-----------	------------	-------	------------	-------------	---------------------	--------------	---------

No items to display

Create new items or search again using different filters or search terms.





Create compute instance



Basic information

Create an instance to deploy and run applications, or save as a reusable Terraform stack for creating an instance with Resource Manager.

Name
instance-n8n

Create in compartment
Amanda

Placement

The availability domain helps determine which shapes are available.

Availability domain

Tasks Completed 0 of 4

Cancel

Previous

Next



Navigation menu



Basic information

A shape is a template that defines the structure and behavior of the shape.

Image

[Change image](#)

Operating system

Image build

Security

Tasks Completed 0 of 4

Select an image



Oracle Linux



Ubuntu



Red Hat



CentOS



Windows



AlmaLinux



Rocky Linux



Marketplace

[Cancel](#)[Select image](#)



Basic information

> Advanced options

Image and shape

A shape is a template that defines the shape.

Image

[Change image](#)

Operating system

Tasks Completed 0 of 4

Select an image

- | | | | | |
|----------------------------------|-------------------------------------|--------|--|-------------------|
| <input type="radio"/> | ▶ Windows Server 2019 Standard Core | Oracle | Bring your own license | Shielded instance |
| <input type="radio"/> | ▶ Windows Server 2022 Datacenter | Oracle | Additional license fee | |
| <input type="radio"/> | ▶ Windows Server 2022 Datacenter | Oracle | Bring your own license | |
| <input type="radio"/> | ▶ Windows Server 2022 Standard | Oracle | Additional license fee | Shielded instance |
| <input checked="" type="radio"/> | ▼ Windows Server 2022 Standard | Oracle | Bring your own license | Shielded instance |

Compatible shapes

[View compatible shapes](#)Image build
2025.11.12-0

- | | | | | |
|-----------------------|-------------------------------------|--------|--|-------------------|
| <input type="radio"/> | ▶ Windows Server 2022 Standard Core | Oracle | Additional license fee | Shielded instance |
|-----------------------|-------------------------------------|--------|--|-------------------|

[Cancel](#)[Select image](#)



Basic information

Image build

Security

Shape

Change shape

AMD

Shape

Shape build

Tasks Completed 0 of 4

Browse all shapes

A [shape](#) is a template that determines the number of CPUs, amount of memory, and other resources allocated to a newly created instance.
Instance type

Virtual machine

A virtual machine is an independent computing environment that runs on top of physical bare metal hardware.

Bare metal machine

A bare metal compute instance gives you dedicated physical server access for highest performance and strong isolation.

Shape series

AMD

Flexible OCPU count.
Current generation AMD processors.

Intel

Flexible OCPU count.
Current generation Intel processors.

Ampere

Arm-based processor.

Specialty and previous generation

Always Free, Dense I/O, GPU, HPC, Generic, and earlier generation AMD and Intel standard

Cancel

Select shape



Navigation menu



Basic information

Image build

Security

Shape

Change shape

AMD

Shape

Shape build

Tasks Completed 0 of 4

Browse all shapes



VM.Standard.A1.Flex

This shape is either not compatible with the selected image, or not available in the current availability domain

Always Free-eligible

Network bandwidth (Gbps)

4

Maximum VNICs

4

The [maximum total VNICs for a shape](#) might differ depending on the image that you use.

Processor: 3.0 GHz Ampere® Altra™. The OCPU and memory count are customizable. The other resources scale proportionately to the OCPUs assigned. This instance might qualify for a limited amount of Always Free OCPU hours and memory per month. [How do I know if I'm eligible?](#)

Number of OCPUs

4



Amount of memory (GB)

48



Cancel

Select shape

Navigation menu



Networking

Required

Primary VNIC

VNIC name
vcn-vm



Primary network

- Select existing virtual cloud network
- Create new virtual cloud network
- Specify OCID

Virtual cloud network compartment
Amanda

Virtual cloud network
vcn-n8n



Subnet

- Select existing subnet
- Create new public subnet

Subnet compartment
Amanda

Subnet
public subnet-vcn-n8n (regional)



Tasks Completed 2 of 4





Storage
Required



Review



⚠ Login credentials

An initial password will be generated when you create the instance. It will be available on the details screen for the newly launched instance. You must reset the password when you sign in to the instance for the first time.

Basic information

Edit

Name

instance-n8n

Create in compartment

Amanda

Placement

Availability domain

AD-1

Tasks Completed
 4 of 4

Cancel

Save as stack

Previous

Create



Quando a sua instância estiver rodando, acesse via Remote Desktop usando o IP dela

Cloud Search resources, services, documentation, and Marketplace Brazil East (Sao Paulo) ⚡ 🔔 ⓘ

Compute Details Networking Storage Security Management OS Management Monitoring Work requests Tags

OCID ...xb3cskg5bsq45yi4osir2r2q Copy

Launched Jan 31, 2026, 13:31:45 UTC

Compartment Amanda

Capacity type On-demand

Launch options

Instance access

You [connect to a running Windows instance](#) using Remote Desktop Protocol (RDP). The instance must allow Remote Desktop Protocol (RDP) connections. You will need to provide the instance's initial password to sign in for the first time, and the password you set.

Computer: 144.22.168.52

User name: opc

You will be asked for credentials when you connect.

Show Options Connect Help

In-transit encryption

Public IP address 144.22.168.52 Copy

Username opc

Initial password

Shape configuration

Shape VM.Standard.E5.Flex

PARAVIRTUALIZED

PARAVIRTUALIZED

UEFI_64

PARAVIRTUALIZED

Enabled

Secure Boot Disabled

Measured Boot Disabled

Trusted Platform Module Disabled

Instance details

Virtual cloud network vcn-n8n

Shape VM.Standard.E5.Flex

Cloud

Search resources, services, documentation, and Marketplace

Brazil East (Sao Paulo)

Compute

Instances

Instance access

Public IP address: 144.22.168.52

Username: opc

Initial password:

Launch options

PARAVIRTUALIZED

PARAVIRTUALIZED

UEFI 64

Instance details

Virtual cloud network: vcn-n8n

Other user

opc

Password

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Instalando n8n na instância Windows

144.22.168.52 - Remote Desktop Connection

1

node instala - Search

Node.js — Download Node.js®

https://nodejs.org/en/download

Download Node.js®

Get Node.js® v20.20.0 (LTS) 2 for Windows using Docker with npm

Info Want new features sooner? Get the [latest Node.js version](#) instead and try the latest improvements!

```
1 # Docker has specific installation instructions for each operating system.
2 # Please refer to Node.js Setup
3
4 # Pull the Node.js Docker image
5 docker pull node
6
7 # Create a Node.js application
8 docker run -it node
9
10 # Verify the Node.js version
11 node -v # Should output v20.20.0
12
13 # Verify npm version
14 npm -v # Should output v7.22.0
```

PowerShell

Docker

3

Or get a prebuilt Node.js® for Windows running a x64 architecture.

Windows Installer (.msi)

Standalone Binary (.zip)

Read the [changelog](#) or blog post for this version.

Learn more about Node.js releases, including the release schedule and LTS status.

Downloads

node-v20.20.0-x64.msi 4 Open file

node-v22.22.0-x64.msi Removed

See more

Copy to clipboard

5

Abrir o cmd da sua máquina virtual, verificar a versão do node e instalar n8n

The screenshot shows a Windows Command Prompt window titled "cmd" with the command "npm install n8n" entered. The output shows the Node.js version and the successful installation of n8n. The window has a title bar with "Settings" and a close button. The taskbar at the bottom shows the Oracle Workload Protection Agent icon and the text "102 MB".

```
Settings
cmd: npm install n8n
C:\Users\opc>node --version
v20.20.0
C:\Users\opc>npm install -g n8n
/-
```

144.22.168.52 - Remote Desktop Connection

node instala - Search Node.js — Download Node.js® +

C:\Windows\system32\cmd.exe - "node" "C:\Users\opc\AppData\Roaming\npm\node_modules\n8n\bin\n8n" start

Starting migration AddDynamicCredentialEntryTable1764689388394
Finished migration AddDynamicCredentialEntryTable1764689388394
Starting migration AddResolvableFieldsToCredentials1764689448000
Finished migration AddResolvableFieldsToCredentials1764689448000
Starting migration BackfillMissingWorkflowHistoryRecords1765448186933
Finished migration BackfillMissingWorkflowHistoryRecords1765448186933
Starting migration AddIconToAgentTable1765788427674
Finished migration AddIconToAgentTable1765788427674
Starting migration AddAgentIdForeignKeys1765886667897
Finished migration AddAgentIdForeignKeys1765886667897
Starting migration AddWorkflowVersionIdToExecutionData1765892199653
Finished migration AddWorkflowVersionIdToExecutionData1765892199653
Starting migration AddWorkflowPublishScopeToProjectRoles1766064542000
Added workflow:publish scope to project roles with workflow:update
Finished migration AddWorkflowPublishScopeToProjectRoles1766064542000
Starting migration AddChatMessageIndices1766068346315
Finished migration AddChatMessageIndices1766068346315
n8n Task Broker ready on 127.0.0.1, port 5679
Failed to start Python task runner in internal mode. because Python 3 is missing from this system. Launching a Python runner in internal mode is intended only for debugging and is not recommended for production. Users are encouraged to deploy in external mode. See: <https://docs.n8n.io/hosting/configuration/task-runners/#setting-up-external-mode>
[license SDK] Skipping renewal on init: license cert is not initialized
Registered runner "JS Task Runner" (Kt9K2XP8n6gNzWrNfj41W)
Version: 2.4.8

Editor is now accessible via:
<http://localhost:5678>

Press "o" to open in Browser.

PowerShell

</> Copy to clipboard

Docker is a containerization platform. If you encounter any issues please visit [Docker's website](#)

Or get a prebuilt Node.js® for Windows running a x64 architecture.

[!\[\]\(f08b4bd3488f076651a0db0b042feb5c_img.jpg\) Windows Installer \(.msi\)](#) [!\[\]\(1e927d9dc4f2ed47cc4f1e98c0ba7351_img.jpg\) Standalone Binary \(.zip\)](#)

Read the [changelog](#) or blog post for this version.
Learn more about [Node.js releases](#), including the release schedule and LTS status.

Faça o sign-up e configure a OCI no seu n8n [\[aqui\]](#)

The screenshot shows a browser window titled "144.22.168.52 - Remote Desktop Connection". The address bar displays "localhost:5678/setup". The main content is a form titled "Set up owner account" for creating a new user account. The form fields are:

- Email *
- First Name *
- Last Name *
- Password *

Below the password field, there is a note: "8+ characters, at least 1 number and 1 capital letter". There is also a checkbox labeled "I want to receive security and product updates". At the bottom of the form is a red "Next" button.



Criando uma instância Ubuntu



Basic information

A shape is a template that determines

Image

Change image

Operating system

Image build

Security

Shape

Change shape

Tasks Completed 0 of 4

Select an image

Image name	Publisher	Price	Security
<input type="radio"/> Canonical Ubuntu 20.04	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 20.04 Minimal	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 22.04	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 22.04 Minimal	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 22.04 Minimal aarch64	Oracle	Free	
<input checked="" type="radio"/> Canonical Ubuntu 24.04	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 24.04 Minimal	Oracle	Free	
<input type="radio"/> Canonical Ubuntu 24.04 Minimal aarch64	Oracle	Free	

Page 1 of 1 (1 - 8 of 8 total items)

Items per page

25

Cancel

Select image



Basic information

Image build

Security

Shape

Change shape

AMD

Shape

Shape build

Tasks Completed 0 of 4

Browse all shapes

A [shape](#) is a template that determines the number of CPUs, amount of memory, and other resources allocated to a newly created instance.
Instance type

Virtual machine

A virtual machine is an independent computing environment that runs on top of physical bare metal hardware.

Bare metal machine

A bare metal compute instance gives you dedicated physical server access for highest performance and strong isolation.

Shape series

AMD

Flexible OCPU count.
Current generation AMD processors.

Intel

Flexible OCPU count.
Current generation Intel processors.

Ampere

Arm-based processor.

Specialty and previous generation

Always Free, Dense I/O, GPU, HPC, Generic, and earlier generation AMD and Intel standard

Cancel

Select shape

Navigation menu



Basic information

Image build

Security

Shape

Change shape

AMD

Shape

Shape build

Tasks Completed 0 of 4

Browse all shapes



VM.Standard.A1.Flex

This shape is either not compatible with the selected image, or not available in the current availability domain

Always Free-eligible

Network bandwidth (Gbps)

4

Maximum VNICs

4

The [maximum total VNICs for a shape](#) might differ depending on the image that you use.

Processor: 3.0 GHz Ampere® Altra™. The OCPU and memory count are customizable. The other resources scale proportionately to the OCPUs assigned. This instance might qualify for a limited amount of Always Free OCPU hours and memory per month. [How do I know if I'm eligible?](#)

Number of OCPUs

4



Amount of memory (GB)

48



Cancel

Select shape

Navigation menu

**Networking**

Required



Primary VNIC

VNIC name
vcn-vm



Primary network

- Select existing virtual cloud network
- Create new virtual cloud network
- Specify OCID

Virtual cloud network compartment
Amanda

Virtual cloud network
vcn-n8n



Subnet

- Select existing subnet
- Create new public subnet

Subnet compartment
Amanda

Subnet
public subnet-vcn-n8n (regional)



Tasks Completed 2 of 4





Storage
Required



Review



⚠ Login credentials

An initial password will be generated when you create the instance. It will be available on the details screen for the newly launched instance. You must reset the password when you sign in to the instance for the first time.

Basic information

Edit

Name

instance-n8n

Create in compartment

Amanda

Placement

Availability domain

AD-1

Tasks Completed
 4 of 4

Cancel

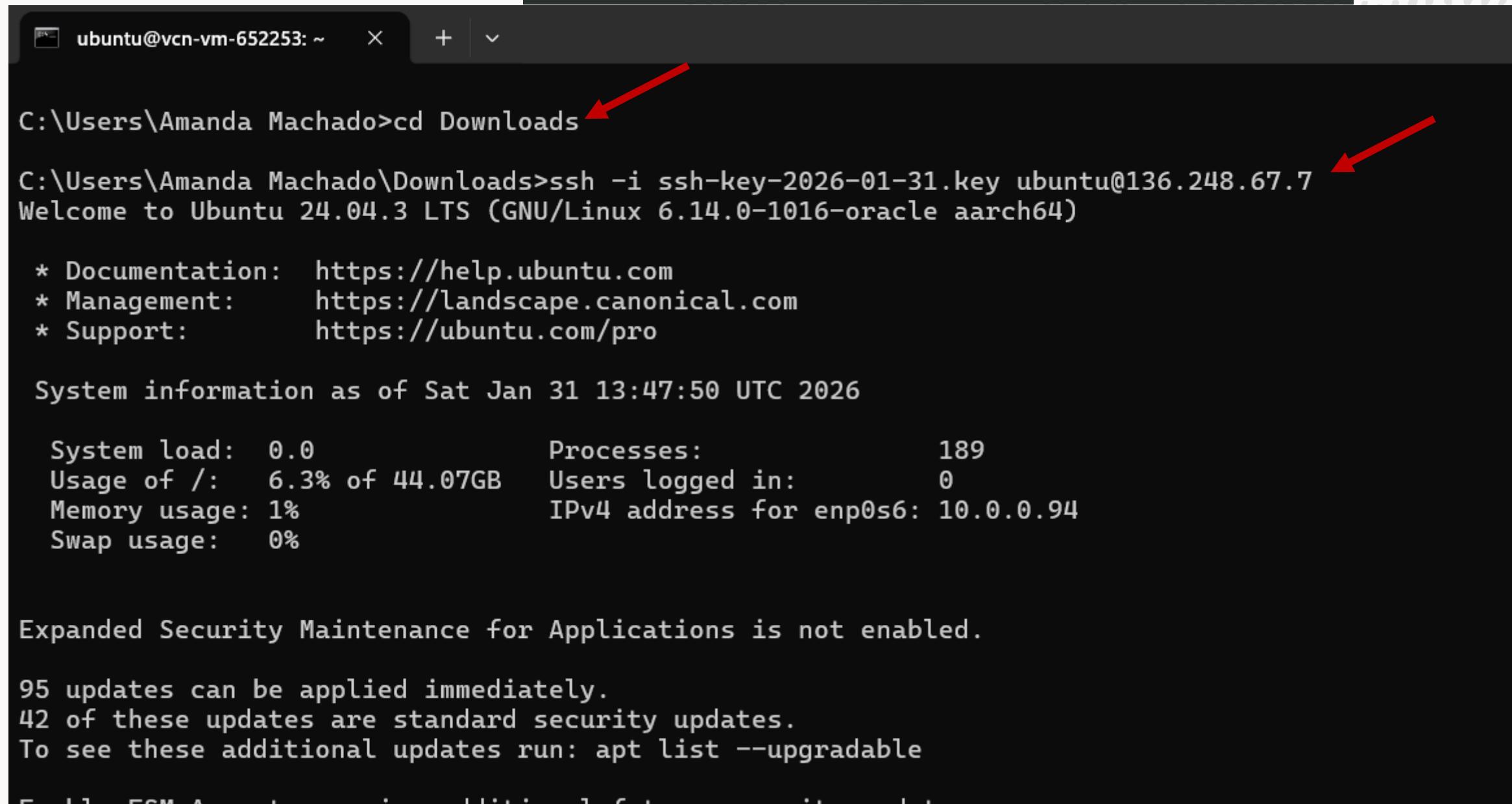
Save as stack

Previous

Create



No seu terminal, acesse a VM usando: `ssh -i <nome-da-chave-ssh> ubuntu@<seu-ip-da-maquina>`



```
ubuntu@vcn-vm-652253: ~      + | ^  
C:\Users\Amanda Machado>cd Downloads  
C:\Users\Amanda Machado\Downloads>ssh -i ssh-key-2026-01-31.key ubuntu@136.248.67.7  
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1016-oracle aarch64)  
  
* Documentation: https://help.ubuntu.com  
* Management: https://landscape.canonical.com  
* Support: https://ubuntu.com/pro  
  
System information as of Sat Jan 31 13:47:50 UTC 2026  
  
System load: 0.0          Processes: 189  
Usage of /: 6.3% of 44.07GB  Users logged in: 0  
Memory usage: 1%          IPv4 address for enp0s6: 10.0.0.94  
Swap usage: 0%  
  
Expanded Security Maintenance for Applications is not enabled.  
95 updates can be applied immediately.  
42 of these updates are standard security updates.  
To see these additional updates run: apt list --upgradable  
Enable ESM Apps to receive additional future security updates
```

Ainda no terminal execute:

```
curl -fsSL https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh | bash
```

```
source ~/.bashrc
```

```
nvm install 20
```

```
nvm use 20
```

```
npm install -g n8n
```

```
n8n start
```

```
ties, which have been fixed in the current version. Please update. Support for old versions may be purchased (at exorbitant rates) by contacting i@izs.me
npm warn deprecated mailsplit@5.4.0: This package has been renamed to @zone-eu/mailsplit. Please update your dependencies.
npm warn deprecated gm@1.25.1: The gm module has been sunset. Please migrate to an alternative. https://github.com/ahheckmann/gm?tab=readme-ov-file#2025-02-24-this-project-is-not-maintained
npm warn deprecated google-p12-pem@4.0.1: Package is no longer maintained
npm warn deprecated lodash.get@4.4.2: This package is deprecated. Use the optional chaining (?) operator instead.
npm warn deprecated whatwg-encoding@3.1.1: Use @exodus/bytes instead for a more spec-conformant and faster implementation
npm warn deprecated @aws-sdk/protocol-http@3.374.0: This package has moved to @smithy/protocol-http
npm warn deprecated @aws-sdk/signature-v4@3.374.0: This package has moved to @smithy/signature-v4
npm warn deprecated rimraf@2.6.3: Rimraf versions prior to v4 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated @langchain/google-gauth@2.0.0: Use version 1.x instead
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated glob@7.2.3: Glob versions prior to v9 are no longer supported
npm warn deprecated @langchain/google-vertexai@2.0.0: Use version 1.x instead
npm warn deprecated infisical-node@1.3.0: Package no longer supported. Contact Support at https://www.npmjs.com/support for more info.
npm warn deprecated @langchain/google-common@2.0.0: Use version 1.x instead

added 1824 packages in 2m

242 packages are looking for funding
  run `npm fund` for details
ubuntu@vcn-vm-652253:~$ n8n start
No encryption key found - Auto-generating and saving to: /home/ubuntu/.n8n/config
Initializing n8n process
```

Ainda no terminal rode:

```
sudo vi /etc/iptables/rules.v4
```

No arquivo adicione a linha

```
-A INPUT -p tcp -m state --state NEW -m tcp --dport 5678 -j ACCEPT
```

Para salvar o que foi editado: click no botão ESC, digite :wq e aperte ENTER. E rode no terminal:

```
sudo iptables-restore < /etc/iptables/rules.v4
```

```
ion in the Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j ACCEPT
-A InstanceServices -d 169.254.169.254/32 -p tcp -m tcp --dport 80 -m comment --comment "See the Oracle-Provided Images
section in the Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j ACCE
PT
-A InstanceServices -d 169.254.169.254/32 -p udp -m udp --dport 67 -m comment --comment "See the Oracle-Provided Images
section in the Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j ACCE
PT
-A InstanceServices -d 169.254.169.254/32 -p udp -m udp --dport 69 -m comment --comment "See the Oracle-Provided Images
section in the Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j ACCE
PT
-A InstanceServices -d 169.254.169.254/32 -p udp --dport 123 -m comment --comment "See the Oracle-Provided Images sectio
n in the Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j ACCEPT
-A InstanceServices -d 169.254.0.0/16 -p tcp -m tcp -m comment --comment "See the Oracle-Provided Images section in the
Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j REJECT --reject-wit
h tcp-reset
-A InstanceServices -d 169.254.0.0/16 -p udp -m udp -m comment --comment "See the Oracle-Provided Images section in the
Oracle Cloud Infrastructure documentation for security impact of modifying or removing this rule" -j REJECT --reject-wit
h icmp-port-unreachable
-A INPUT -p tcp -m state --state NEW -m tcp --dport 5678| -j ACCEPT
COMMIT
~
~
-- INSERT --
```

para liberação de firewal para liberar acesso externo à VM, rode os seguintes commandos no terminal:

```
sudo iptables -F  
sudo iptables -X
```

```
sudo iptables -P INPUT ACCEPT  
sudo iptables -P FORWARD ACCEPT  
sudo iptables -P OUTPUT ACCEPT  
sudo netfilter-persistent save
```

```
export N8N_SECURE_COOKIE=false  
export N8N_PROTOCOL=http  
export N8N_HOST=0.0.0.0  
export N8N_PORT=5678  
export N8N_EDITOR_BASE_URL=http://IP:5678  
export N8N_PUBLIC_URL=http://IP:5678  
n8n start
```

Agora você tem o acesso livre via IP da sua máquina ao n8n

```
ubuntu@vcn-vm-652253: ~ + - X
Editor is now accessible via:
http://136.248.67.7:5678

Press "o" to open in Browser.
Received SIGINT. Shutting down...
[runner:js] Received SIGTERM signal, shutting down...
[runner:js] Task runner stopped

Stopping n8n...
ubuntu@vcn-vm-652253:~$ sudo iptables -F
sudo iptables -X
ubuntu@vcn-vm-652253:~$ sudo iptables -X
ubuntu@vcn-vm-652253:~$ n8n start
Initializing n8n process
n8n ready on ::, port 5678
n8n Task Broker ready on 127.0.0.1, port 5679
Failed to start Python task runner in internal mode. because its virtual environment is missing from this system. Launching a Python runner in internal mode is intended only for debugging and is not recommended for production. Users are encouraged to deploy in external mode. See: https://docs.n8n.io/hosting/configuration/task-runners/#setting-up-external-mode
[license SDK] Skipping renewal on init: license cert is not initialized
Registered runner "JS Task Runner" (IZUuXzGLibIwWIEqhVqdn)
Version: 2.4.8

Editor is now accessible via.
http://136.248.67.7:5678 
```



Set up owner account

Email *

First Name *

Last Name *

Password *

8+ characters, at least 1 number and 1 capital letter

I want to receive security and product updates

Next

Configurando OCI no seu workflow n8n



Welcome Am!

Create your first workflow



Start from
scratch

Usage and plan

Personal

Users

Project roles

n8n API

External Secrets

Environments

SSO

LDAP

Log Streaming

Community nodes

Start with a template

See more templates



Create a Documentation
Expert Bot with RAG, Gemini, and
Supabase



Automate legal lien documents
with Gemini AI, Apify, and Google
Workspace



Scrape Google Maps by area &
generate outreach messages for
lead generation

Use template

Use template

136.248.67.7:5678/settings/community-nodes



Instale: n8n-nodes-oracle-cloud

← Settings Usage and plan Personal Users Project roles n8n API External Secrets Environments SSO LDAP Log Streaming Community nodes Migration Report Instance-level MCP Chat

Not secure 136.248.67.7:5678/settings/community-nodes

Community nodes

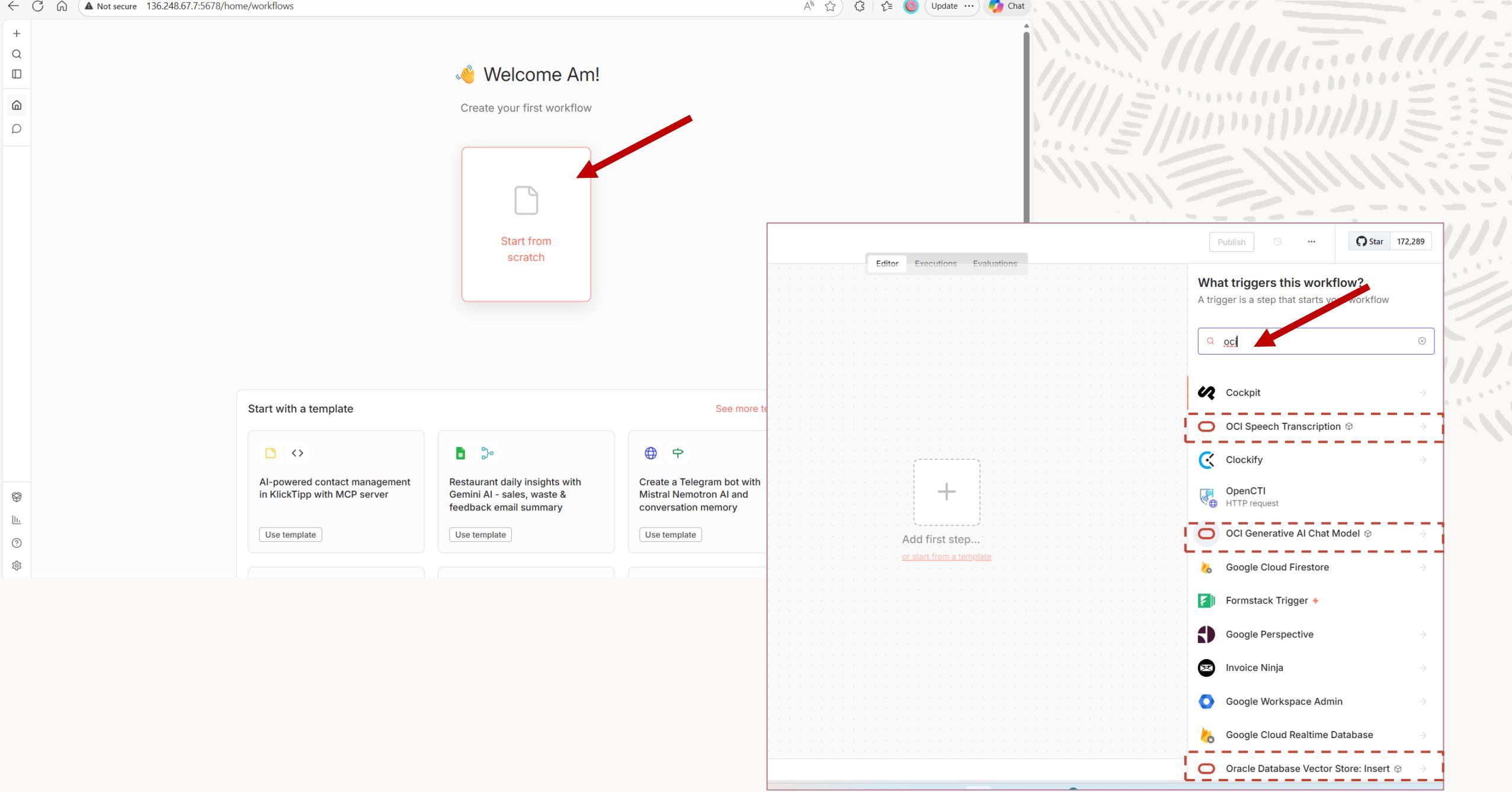
Install community nodes

Find community nodes to add on the npm public registry. [More info](#) [Browse](#)

npm Package Name: 

I understand the risks of installing unverified code from a public source. [More info](#)

[Install](#) 



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