

Anarion Technologies – Apache OpenNLP

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Apache OpenNLP on Ubuntu26

by Anarion Technologies

Virtual Machines

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Production Ready VM on Ubuntu26.04 LTS + Free Support

Apache OpenNLP is an open-source machine learning toolkit for natural language processing (NLP). It provides robust capabilities for sentence detection, tokenization, part-of-speech tagging, named entity recognition, parsing, language detection, and document categorization, enabling developers to build intelligent text processing applications.

This virtual machine comes pre-installed with Apache OpenNLP 2.5.9 on Ubuntu 26.04 LTS, providing a ready-to-use environment for developers, researchers, data scientists, and enterprises. The image includes OpenJDK 17 and all required dependencies, allowing users to begin building and deploying NLP applications immediately without manual installation or configuration.

Apache OpenNLP offers machine learning-based natural language processing components through both Java APIs and command-line tools. It can be integrated into enterprise applications, chatbots, search platforms, document processing systems, and text analytics workflows to extract meaningful information from unstructured text.

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Apache OpenNLP on Ubuntu26

By Anarion Technologies

Plan

Apache OpenNLP on Ubuntu26



Pricing

Starting at \$0.03/hour

Description

Apache OpenNLP on Ubuntu26

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Azure subscription 1

Plan

Apache OpenNLP on Ubuntu26

Create

Start with a pre-set configuration

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Overview

Plans + Pricing

Usage Information + Support

Ratings + Reviews

Apache OpenNLP is an open-source machine learning toolkit for natural language processing (NLP). It provides robust capabilities for sentence detection, tokenization, part-of-speech tagging, named entity recognition, parsing, language detection, and document categorization, enabling developers to build intelligent text processing applications.

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Apache OpenNLP offers machine learning-based natural language processing components through both Java APIs and command-line tools. It can be integrated into enterprise applications, chatbots, search platforms, document processing systems, and text analytics workflows to extract meaningful information from unstructured text.

This image is configured with Ubuntu 26.04 LTS and the latest available security updates, providing a secure, reliable, and production-ready platform for NLP development, research, and deployment. Developers can quickly integrate OpenNLP into Java-based applications while benefiting from its scalable architecture and comprehensive language processing capabilities.

Creating a virtual machine, enter or select appropriate values for zone, machine type, resource group and so on as per your choice.

» Create a virtual machine

Basics Disks Networking Management Advanced Tags Review + create

Create a virtual machine that runs Linux or Windows. Select an image from Azure marketplace or use your own customized image. Complete the Basics tab then Review + create to provision a virtual machine with default parameters or review each tab for full customization. [Learn more](#)

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * ⓘ Azure subscription 1

Resource group * ⓘ Demo [Create new](#)

Instance details

Virtual machine name * ⓘ Demo ✓

Region * ⓘ (US) East US

[Review + create](#) < Previous Next : Disks >

Create a virtual machine ...

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Azure VMs have one operating system disk and a temporary disk for short-term storage. You can attach additional data disks. The size of the VM determines the type of storage you can use and the number of data disks allowed. [Learn more](#)

Disk options

OS disk type * ⓘ Premium SSD (locally-redundant storage) ▼

Encryption type * (Default) Encryption at-rest with a platform-managed key ▼

Enable Ultra Disk compatibility ⓘ ☐
Ultra disk is available only for Availability Zones in eastus.

Data disks

You can add and configure additional data disks for your virtual machine or attach existing disks. This VM also comes with a temporary disk.

i Adding unmanaged data disks is currently not supported at the time of VM creation. You can add them after the VM is

Review + create

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Next : Networking >

Create a virtual machine ...

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Define network connectivity for your virtual machine by configuring network interface card (NIC) settings. You can control ports, inbound and outbound connectivity with security group rules, or place behind an existing load balancing solution. [Learn more](#)

Network interface

When creating a virtual machine, a network interface will be created for you.

Virtual network * ⓘ (new) Demo-vnet ▼
[Create new](#)

Subnet * ⓘ (new) default (10.1.0.0/24) ▼

Public IP ⓘ (new) Demo-ip ▼
[Create new](#)

NIC network security group ⓘ
☐ None
☒ Basic
☐ Advanced

Review + create

< Previous

Next : Management >

Create a virtual machine ...

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Configure monitoring and management options for your VM.

Azure Security Center

Azure Security Center provides unified security management and advanced threat protection across hybrid cloud workloads. [Learn more](#)

✓ Your subscription is protected by Azure Security Center basic plan.

Monitoring

Boot diagnostics ⓘ ☐ On
☒ Off

Enable OS guest diagnostics ⓘ ☐

Identity

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Tags are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. [Learn more about tags](#)

Note that if you create tags and then change resource settings on other tabs, your tags will be automatically updated.

Name ⓘ

Value ⓘ

Resource

:

12 selected



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Create a virtual machine ...

✓ Validation passed

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i Cost given below is an estimate and not the final price. For all your pricing needs, please use the pricing calculator. [↗](#)

Price

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0.8652 INR/hr
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TERMS

By clicking "Create", I (a) agree to the legal terms and privacy statement(s) associated with the Marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. See the [Azure Marketplace Terms](#) for additional details.

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Create

After Process of Create Virtual Machine. You have got an Option Go to Resource Group

Click Go to Resource Group

Copy the Public IP Address

SSH into Terminal and Run these Commands:

```
$ sudo su
```

```
$ cd ../../
```

```
$ sudo apt update && sudo apt upgrade -y
```

```

testing@testing:~$ sudo su
root@testing:/home/testing# cd ../../
root@testing:/# sudo apt update && sudo apt upgrade -y
Hit:1 http://azure.archive.ubuntu.com/ubuntu resolute InRelease
Get:2 http://azure.archive.ubuntu.com/ubuntu resolute-updates InRelease [137
kB]
Hit:3 http://azure.archive.ubuntu.com/ubuntu resolute-backports InRelease
Get:4 http://azure.archive.ubuntu.com/ubuntu resolute-security InRelease [13
7 kB]
Get:5 https://aquasecurity.github.io/trivy-repo/deb resolute InRelease [3238
B]
Get:6 http://azure.archive.ubuntu.com/ubuntu resolute-updates/main amd64v3 P
ackages [282 kB]
Get:7 http://azure.archive.ubuntu.com/ubuntu resolute-updates/main Translati
on-en [74.0 kB]
Get:8 http://azure.archive.ubuntu.com/ubuntu resolute-updates/main amd64 Com
ponents [49.4 kB]
Get:9 http://azure.archive.ubuntu.com/ubuntu resolute-updates/main amd64 c-n
-f Metadata [5244 B]
Get:10 http://azure.archive.ubuntu.com/ubuntu resolute-updates/universe amd6
4v3 Packages [159 kB]
Get:11 http://azure.archive.ubuntu.com/ubuntu resolute-updates/universe Tran
slation-en [50.1 kB]
Get:12 http://azure.archive.ubuntu.com/ubuntu resolute-updates/universe amd6
4v3 Packages [159 kB]

```

Verify Java

\$ java -version

```

root@testing:/# java -version
openjdk version "17.0.19" 2026-04-21
OpenJDK Runtime Environment (build 17.0.19+10-1-26.04.2-Ubuntu)
OpenJDK 64-Bit Server VM (build 17.0.19+10-1-26.04.2-Ubuntu, mixed mode, sha
ring)

```

Verify OpenNLP Environment Variable

\$ echo \$OPENNLP_HOME

```

root@testing:/#
root@testing:/#
root@testing:/# echo $OPENNLP_HOME
/opt/opennlp/opennlp
root@testing:/#

```

Verify OpenNLP Executable

\$ which opennlp

\$ /opt/opennlp/opennlp/bin/opennlp

```
root@testing:/# which opennlp
/opt/opennlp/opennlp/bin/opennlp
root@testing:/#
```

Verify Apache OpenNLP Version

\$ opennlp 2>&1 | head -n 1

```
root@testing:/#
root@testing:/# opennlp 2>&1 | head -n 1
OpenNLP 2.5.9.
root@testing:/#
```

Verify OpenNLP Functionality

\$ echo "Apache OpenNLP is working." | opennlp SimpleTokenizer

```
root@testing:/#
root@testing:/# echo "Apache OpenNLP is working." | opennlp SimpleTokenizer
Apache OpenNLP is working .
Average: 125.0 sent/s

Total: 1 sent
Runtime: 0.008s
Execution time: 0.476 seconds
```

Thanks!!!