

Anarion Technologies – Apache Daffodil

Note: Search product on Azure marketplace and click on "Get it now"

 **Microsoft** | Marketplace

Products ▾ 🔍 Search Marketplace

☰ All Products ▾ Categories ▾ Industries ▾ Partners ▾

Products > Apache Daffodil on Ubuntu26



Apache Daffodil on Ubuntu26

by Anarion Technologies

Virtual Machines

Starting at \$0.03 [Get it now](#) ☆ Save to my list

[Overview](#) [Plans + Pricing](#) [Ratings + reviews](#) [Details + support](#)

Production Ready VM on Ubuntu26.04 LTS + Free Support

Apache Daffodil on Ubuntu 26.04 is a powerful open-source data parsing and transformation platform based on the Data Format Description Language (DFDL) standard. It enables organizations to parse, process, and transform structured and unstructured data into XML and JSON formats without requiring custom parsers. Running on Ubuntu 26.04 LTS, this virtual machine provides a secure, stable, and ready-to-use environment for deploying Apache Daffodil in development, testing, and production workloads.

Apache Daffodil simplifies the integration of complex data formats commonly used in financial services, telecommunications, healthcare, government, manufacturing, and other data-intensive industries. By leveraging DFDL schemas, users can describe the structure of legacy, binary, text, fixed-width, variable-length, and industry-specific data formats, enabling automated parsing and transformation with minimal development effort.

Click on Continue

Confirm your details to continue



Apache Daffodil on Ubuntu26

By Anarion Technologies

Plan

Apache Daffodil on Ubuntu26



Pricing

Starting at \$0.03/hour

Description

Apache Daffodil on Ubuntu26

You're signed in as **Market Place Products** (mp@anariontech.com).

[Edit your details](#)

 By clicking **Get it now**, I give Microsoft permission to use or share my account information so that the provider can contact me regarding this product. I agree to the provider's [terms of use](#) and [privacy policy](#) and understand that the rights to use this product do not come from Microsoft, unless Microsoft is the provider. Use of Marketplace is governed by separate [terms](#) and [privacy](#).

Get it now

Click on Create

Home

Apache Daffodil on Ubuntu26

Anarion Technologies



Apache Daffodil on Ubuntu26

[Add to Favorites](#)

Anarion Technologies | Virtual Machine

Subscription

Azure subscription 1

Plan

Apache Daffodil on Ubuntu26

Create

Start with a pre-set configuration

Want to deploy programmatically? [Get started](#)

[Overview](#) [Plans + Pricing](#) [Usage Information + Support](#) [Ratings + Reviews](#)

Apache Daffodil on Ubuntu 26.04 is a powerful open-source data parsing and transformation platform based on the Data Format Description Language (DFDL) standard. It enables organizations to parse, process, and transform structured and unstructured data into XML and JSON formats without requiring custom parsers. Running on Ubuntu 26.04 LTS, this virtual machine provides a secure, stable, and ready-to-use environment for deploying Apache Daffodil in development, testing, and production workloads.

Apache Daffodil simplifies the integration of complex data formats commonly used in financial services, telecommunications, healthcare, government, manufacturing, and other data-intensive industries. By leveraging DFDL schemas, users can describe the structure of legacy, binary, text, fixed-width, variable-length, and industry-specific data formats, enabling automated parsing and transformation with minimal development effort.

One of Apache Daffodil's key strengths is its ability to separate data format definitions from application logic. This allows organizations to standardize data processing workflows, improve interoperability between systems, and reduce the cost and complexity of maintaining custom parsing solutions. Support for XML, JSON, schema validation, and command-line processing makes it suitable for modern data integration and digital transformation initiatives.

Designed for scalability and enterprise deployments, Apache Daffodil provides a robust command-line interface, Java APIs, and integration capabilities that allow developers and architects to build reliable data processing pipelines. Its standards-based architecture and support for complex data structures make it an ideal solution for handling

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 * ⓘ

Resource group * ⓘ [Create new](#)

Instance details

Virtual machine name * ⓘ ✓

Region * ⓘ

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

Create a virtual machine ...

Basics Disks Networking Management Advanced Tags Review + create

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

< Previous

Next : Networking >

Create a virtual machine ...

Basics Disks Networking Management Advanced Tags Review + create

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

Review + create

< Previous

Next : Management >

Create a virtual machine ...

Basics Disks Networking Management Advanced Tags Review + create

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

[Review + create](#)

[< Previous](#)

[Next : Advanced >](#)

Create a virtual machine ...

Basics Disks Networking Management Advanced Tags Review + create

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 v

[Review + create](#)

[< Previous](#)

[Next : Review + create >](#)

[Home](#) >

Create a virtual machine ...

✓ Validation passed

Basics Disks Networking Management Monitoring Advanced Tags Review + create

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

Price

1 X Standard B1s
by Microsoft
[Terms of use](#) | [Privacy policy](#)

Subscription credits apply ⓘ

0.8652 INR/hr
[Pricing for other VM sizes](#)

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.

< Previous

Next >

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

```

Check Java Installation

```

$ java -version
$ javac -version

```

```

root@testing:/# java -version
openjdk version "21.0.11" 2026-04-21
OpenJDK Runtime Environment (build 21.0.11+10-1-26.04.2-Ubuntu)
OpenJDK 64-Bit Server VM (build 21.0.11+10-1-26.04.2-Ubuntu, mixed mode, sha
ring)
root@testing:/# javac -version
javac 21.0.11

```

Check Daffodil Command Availability

```

$ which daffodil

```

```

root@testing:/# which daffodil
/usr/local/bin/daffodil
root@testing:/#

```

Check Daffodil Version

```

$ daffodil --version

```

```
root@testing:/#  
root@testing:/# daffodil --version  
Apache Daffodil 4.1.0  
root@testing:/#
```

Validate Binary Directly

\$ /opt/daffodil/apache-daffodil-4.1.0-bin/bin/daffodil --version

```
root@testing:/# /opt/daffodil/apache-daffodil-4.1.0-bin/bin/daffodil --version  
on  
Apache Daffodil 4.1.0
```

Check Environment Variable

\$ echo \$DAFFODIL_HOME
\$ echo \$PATH

```
root@testing:/# echo $DAFFODIL_HOME  
echo $PATH  
  
/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr  
/local/games:/snap/bin  
root@testing:/#
```

Check CLI Help

\$ daffodil --help

```
root@testing:/# daffodil --help  
Apache Daffodil 4.1.0  
Usage: daffodil [GLOBAL_OPTS] <subcommand> [SUBCOMMAND_OPTS]  
  
Global Options:  
  -v, --verbose      Increment verbosity level, one level for each -v  
  -h, --help         Show help message  
  --version          Show Daffodil's version  
  
Subcommands:  
  parse              Parse data to a DFDL infoaset  
  unparse            Unparse a DFDL infoaset  
  save-parser        Save a Daffodil parser for reuse  
  test               List or execute TDML tests  
  performance        Run performance test  
  generate            Generate <language> code from a DFDL schema  
  exi                Encode an XML file with EXI  
  
Run 'daffodil <subcommand> --help' for subcommand specific options  
root@testing:/#
```


Final Full Validation

```
$ echo "===== Daffodil Verification ====="
java -version
which daffodil
daffodil --version
daffodil --help | head
echo "===== SUCCESS ====="
```

```
root@testing:/#
root@testing:/# echo "===== Daffodil Verification ====="
java -version
which daffodil
daffodil --version
daffodil --help | head
echo "===== SUCCESS ====="
===== Daffodil Verification =====
openjdk version "21.0.11" 2026-04-21
OpenJDK Runtime Environment (build 21.0.11+10-1-26.04.2-Ubuntu)
OpenJDK 64-Bit Server VM (build 21.0.11+10-1-26.04.2-Ubuntu, mixed mode, sha
ring)
/usr/local/bin/daffodil
Apache Daffodil 4.1.0
Apache Daffodil 4.1.0
Usage: daffodil [GLOBAL_OPTS] <subcommand> [SUBCOMMAND_OPTS]

Global Options:
  -v, --verbose      Increment verbosity level, one level for each -v
  -h, --help         Show help message
  --version          Show Daffodil's version

Subcommands:
  parse              Parse data to a DFDL infoaset
===== SUCCESS =====
```

Thanks!!!