



Getting Closer with Kelompok Linux Arek Suroboyo and Buaya Linux Repository Server

by

Muhamad Andhika Prasetya and Fadhil Yori H

From **Indonesia**

at **25 September 2021**

#ubuconasia2021

#freeopensourcesoftware

admin@klas.or.id | www.klas.or.id





Speaker #1



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andhika.my.id



fb.com/andhika.prat



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instagram.com/mas.andhikasaja



kontak@andhika.my.id



Speaker #2

Fadhil Yori Hibatullah

Research Team Kelompok Linux Arek Suroboyo
Infrastructure & Network Operations Specialist at Trustmedis

Find out more at



fadhilyori.my.id



facebook.com/fadhilyori.h



linkedin.com/in/fadhil-yori-hibatullah/



[fadhilyori](https://www.instagram.com/fadhilyori)



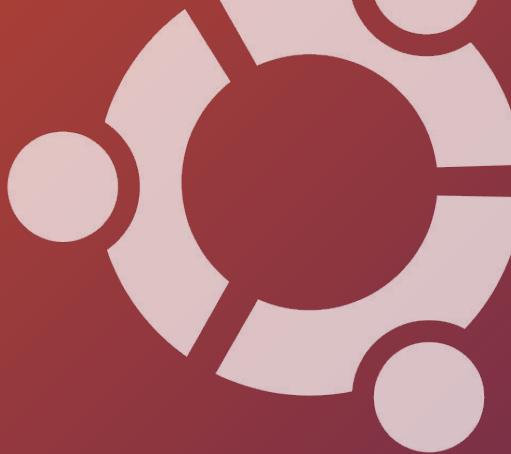
t.me/fadhilyori



me@fadhilyori.my.id

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of Kelompok Linux Arek
Suroboyo

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Getting Closer with Kelompok Linux Arek Suroboyo

The History

● The History of Kelompok Linux Arek Suroboyo

KLAS was actually founded on 1995, but went vacuum and **refounded again on 1998** by the **first KLAS Chairman Mr. Moh Noor Al Azam** in His House on Surabaya

[klas-talk] Pendaftaran Online Peserta Seminar Sehari..

Cahyo Darujati | Tue, 02 Sep 2003 20:24:14 -0700

Salam;

Karena keterbatasan tempat dan kehidmatan acara:
Seminar Sehari di ITS dalam rangka DIES NATALIS
dengan Tema: "Teknologi Informasi: CopyRight versus CopyLeft" Tanggal 9
September 2003 jam 09.00 - selesai

Maka Acara Seminar Gratis untuk umum akan diseleksi melalui formulir Online:
(Total Peserta sekitar 400 orang)
Silahkan mengunjungi website KLAS (Kelompok Linux Arek Suroboyo),
<http://www.klas.or.id/> dan Silahkan mendaftarkan diri..

Sponsor:
Hi-Tech Mall Surabaya
Telkom
Rektorat ITS
LPPM ITS
intip.org
dip.co.id

Thanks

Wassalam;
Cahyo Darujati
Bruce Schneier's claim that "Security is a process, not a product."

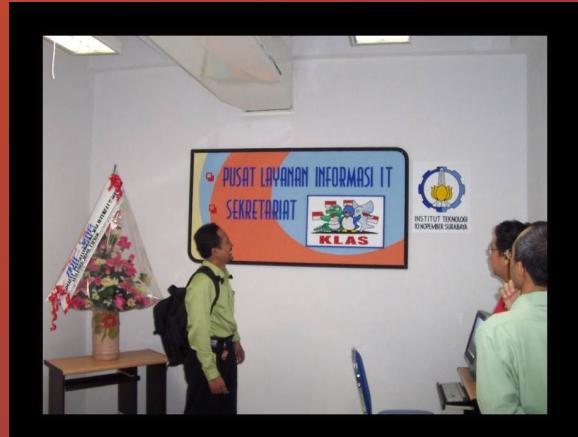
klas-talk mailing list

<http://www.regex.com/cgi-bin/mailman/listinfo/klas-talk>

KLAS Oldest Documented Event on 2003



The History of Kelompok Linux Arek Suroboyo - KLAS first Basecamp in Collaboration with Institut Teknologi Sepuluh Nopember Surabaya





The History of Kelompok Linux Arek Suroboyo - KLAS at Software Freedom Day Surabaya on 2005



The History of Kelompok Linux Arek Suroboyo - KLAS Oldest Documented Training Event

WORKSHOP LINUX

 **Instalasi Dan Pengenalan
OpenSUSE LINUX 10**

09:00 - 13:00
Sabtu, 15 Oktober 2005
Tempat : Ruang Workshop Hi-TechMall

Materi :
Instalasi Linux
Penggunaan Aplikasi
Perkantoran dan Multimedia

Biaya : Rp. 50.000,-

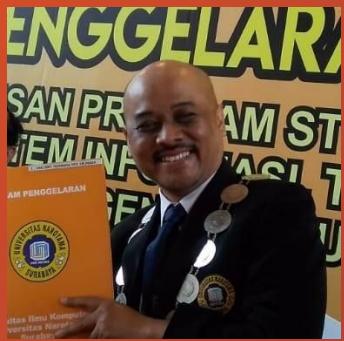
Fasilitas :
Modul Panduan
→ Lima (5) CD OpenSUSE
Satu Komputer Satu Orang

Pendaftaran
Mbak Lia (031) 5316557
Hi-TechMall Education & Information Center Lt.1
Jl. Kusuma Bangsa 116-118 Surabaya

HI-TECHMall
COMPUTER CD-GAMES - MOBILEPHONE - ELECTRONICS - INFORMATION - COLLECTOR



The History of Kelompok Linux Arek Suroboyo - KLAS - The Head of Community from Generations to Generations



Mr. Moh Noor Al Azam. S.T., M.T.

The Founder and First Head of Community



Mr. Darian Rizaludin. S.Kom.

The Second Head of Community



Mr. Joko Susilo. A.Md.Kom.

The Third Head of Community



Mr. Muhamad Andhika Prasetya

The Fourth Head of Community

2



Getting Closer with Kelompok Linux Arek Suroboyo

The Present

The Present Day of Kelompok Linux Arek Suroboyo - KLAS - The Staff and Organizer





The Present Day of Kelompok Linux Arek Suroboyo -

KLAS Public Services (2)



- Already Serving Public since 2007
- Serving more than 9 Linux Distros and Software Repositories
- On-Premise Dedicated Server in Surabaya



The Present Day of Kelompok Linux Arek Suroboyo -

KLAS Public Services (3)

KLAS Link Shortener

- Developed on 2018
- More than 1500 links has been shortened



The Present Day of Kelompok Linux Arek Suroboyo - KLAS Public Services



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The Present Day of Kelompok Linux Arek Suroboyo - KLAS Public Services (2)

WORKSHOP LINUX

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Satu Komputer Satu Orang

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Mbak Lia (031) 5316557
Hi-TechMall Education & Information Center Lt.1
Jl. Kusuma Bangsa 116-118 Surabaya

HI-TECHMall



MEMBUAT MOCK UP MENGGUNAKAN FOSS

09 OCTOBER | 19.00 WIB | FREE
BENEFIT : Sertifikat Eletronik (sesuai permintaan)

s.klas.or.id/cangkrukan-mokup

Naruhubungi : Arifin (081336524010)

MATERI : MUHAMMAD IRFAN FANANI

MODERATOR : CHILYATUN NISA'

www.klas.or.id
gowa_activity @
@klas.activity
Kelompok Linux Arek Suroboyo
Kelompok Linux Arek Suroboyo

Cangkrukan Daring:
openSUSE.Asia Virtual Summit 2021
Indonesia OpenInfra Days 2021

Bersama:

Muhammad Luthfi
(Indonesia OpenInfra Day)

Kukuh Syafaat
(openSUSE Indonesia)

Didukung Oleh

Jumat, 16 Juli 2021
Pukul 19:00 WIB

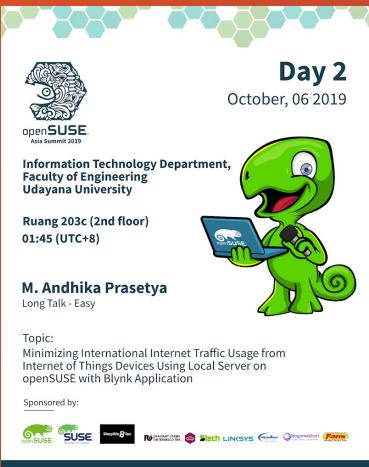
Grup Discord KLAS
<https://discord.com/invite/HmzvrdHcLs>

#QIBurnahAja
#CangkrukanBurnahAja
#CangkrukanKLAS



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The Present Day of Kelompok Linux Arek Suroboyo - KLAS Conferences Events



ubuCon ASIA 2021

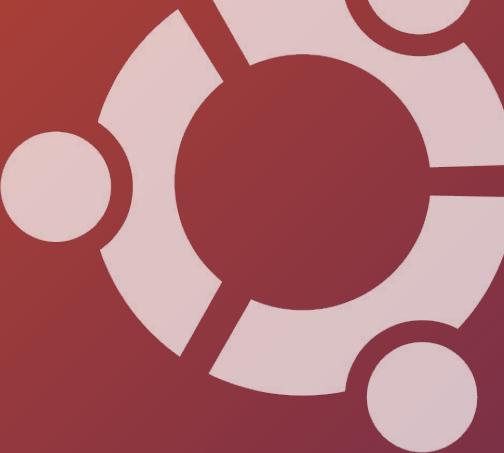


The Present Day of Kelompok Linux Arek Suroboyo - KLAS Public Services (3)

RESULT

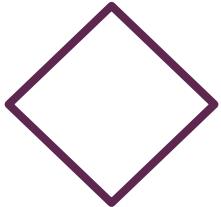
- Cangkrukan KLAS : 2008 – 2012
- There's more than 20 topics on 50 event has been held

2



buaya.klas.or.id

Introduction



The History

Buaya History

● What is Buaya?



Buaya is a Linux mirror server to host package files, updates, and iso files. Buaya was developed and cared for by our friends at KLAS until now.

There are several Linux distributions currently active on Crocodile :

1. AlmaLinux (new)
2. Arch Linux
3. Ubuntu & Ubuntu Ports
4. Debian
5. openSUSE Leap



● The Maintainers



Mohammad Nur Budiwijaya

Network Engineering Manager at Bukalapak



Mahyuddin Susanto

Network Operation Lead at Wownet



Darian Rizaludin

Business Development at Radnet Registrar & Indocenter



Fadhil Yori Hibatullah

Infrastructure & Network Operations Specialist at Trustmedis

● Timeline



**Mohammad Nur
Budiwijaya**

Intel Pentium 2

GlusterFS with 3 Nodes

Start from : Ubuntu 05.04 Hoary Hedgehog



Darian Rizaludin



**Fadhil Yori
Hibatullah**

Intel Core 2 Duo

Linux LVM

8TB HDD

2007

2013

2018

2021

2013 — 2016



Mahyuddin Susanto

Screenshots #1

The screenshot shows the homepage of the BUAYA.klas.or.id website. At the top, there's a navigation bar with links for Traffic, Baru, Berita, Cermin, and Ucapan. Below the navigation is a search bar with a magnifying glass icon and a 'Search' button. A sidebar on the left lists categories like Search, SPONSOR-HW, SPONSOR-BW, and Buaya (def). The main content area has two sections: 'Berita Penting' (Important News) and 'Yang Baru-Yang Baru!'. The 'Berita Penting' section contains a list of news items from 2010, such as 'Mesin BUAYA telah diperbarui, terima kasih untuk rekan-rekan yang telah ikut saweran.' and 'Masalah NAS telah selesai.'. The 'Yang Baru-Yang Baru!' section lists various software releases and updates from 2010, including OpenBSD, OpenSUSE, Ubuntu, Kubuntu, Zimbra, Slackware, and others.

This screenshot shows a forum post titled 'Kritik/Saran/Ucapan' (Criticism/Suggestion/Message) posted by the user 'buaya'. The post content is a message to '@mahesa' regarding a temporary issue with the site. Below the post is a comment form with fields for 'Nama', 'Pesan', and 'Kirim'. A note indicates 'Users online: 0 guest(s)'. The post has received several replies from other users, including '@mahesa', '@si tidy', 'Si Tidy', 'azure', 'diskless', and 'MINYIK', each expressing their own thoughts or questions about the situation.

February 11, 2010

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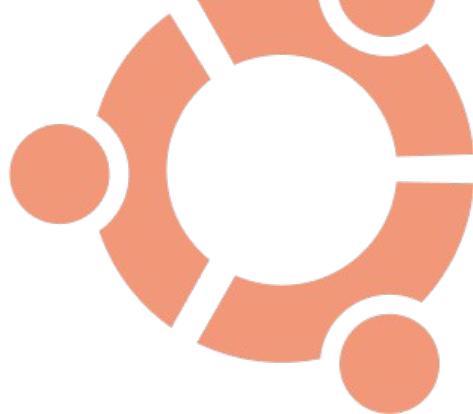
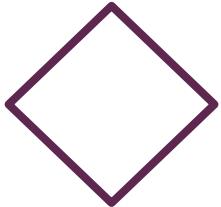
Screenshots #2

January 08, 2014

The screenshot shows the homepage of the buaya.KLAS.or.id website. At the top right is the RADNET logo. Below it is a banner with the text "Selamat datang di buaya.KLAS.or.id!" and "Daftar mirror". The main content area features a section titled "Informasi" with a timeline of events:

- 24 Oktober 2013: Buaya pindah kandang ke Datacenter RADNET di Wisma Dharmala, Surabaya.
- 7 Mei 2013: Repository Debian Wheezy selesai di mirror. Akses repository:
 - deb: http://buaya.klas.or.id/debian wheezy main contrib non-free
 - deb: http://buaya.KLAS.or.id/debian wheezy-updates contrib non-free
 - deb: http://buaya.klas.or.id/debian-security wheezy/updates main contrib non-free
- 25 April 2013: Ubuntu 13.04 Raring Ringtail sudah bisa diunduh di sini.
- 25 April 2013: Buaya Repository saat ini menjadi *official mirror* dari Ubuntu dan OpenSUSE.
- 13 April 2013: Buaya Repository menjadi *dual stack* (lagi), sehingga bisa melayani jaringan dari IPv4 maupun dari IPv6.
- 9 April 2013: Buaya Repository online lagi setelah beberapa lama down karena masalah pada NAS dan root HDD.

Below this is a "Traffic" chart showing network traffic over time, with a current value of 38.45 M. Further down are sections for "Kontak" (Contact) and "PT. Rahajasa Media Internet" (with address and contact info). On the right side of the page is a sidebar with social media links and a "Back to top" button.



buaya.klas.or.id now

Current condition



Buaya Now

- We use Rsync and cron
- We create a simple script from Python to monitor synchronization activity and report to Telegram
- We are planning to :
 - use ftpsync for debian and ubuntu
 - implement 2-stage sync for debian and ubuntu



Launchpad Buaya Ubuntu Archive Sites

 Ubuntu

[Overview](#) [Code](#) [Bugs](#) [Blueprints](#) [Translations](#) [Answers](#)

Registered on 2010-08-09

Surabaya's Linux User Group

Archive information

Owner:  Buayamirror	Status: Official	Speed: 1 Gbps	Country: Indonesia
Whiteboard		Type: Archive	Organisation: Kelompok Linux Arek Suroboyo

Last probe
This mirror was last verified 6 hours ago. You can see the [log file](#) of the probe.

Mirror location information

-  <https://buaya.klas.or.id/ubuntu/>
-  <http://buaya.klas.or.id/ubuntu/>
-  <ftp://buaya.klas.or.id/ubuntu/>
-  <rsync://buaya.klas.or.id/ubuntu/>

Display sources.list entries for: [Choose your Ubuntu version ▾](#)

deb https://buaya.klas.or.id/ubuntu/ YOUR_UBUNTU_VERSION_HERE main
deb-src https://buaya.klas.or.id/ubuntu/ YOUR_UBUNTU_VERSION_HERE main

Versions and architectures mirrored

Version	Architecture	Status
Impish	i386	Up to date
Impish	amd64	Up to date
The Hirsute Hippo	i386	Up to date
The Hirsute Hippo	amd64	Up to date
The Groovy Gorilla	i386	Up to date
The Groovy Gorilla	amd64	Up to date
The Focal Fossa	i386	Up to date
The Focal Fossa	amd64	Up to date
The Bionic Beaver	i386	Up to date
The Bionic Beaver	amd64	Up to date
The Xenial Xerus	i386	Up to date
The Xenial Xerus	amd64	Up to date
The Trusty Tahr	i386	Up to date
The Trusty Tahr	amd64	Up to date

<https://launchpad.net/ubuntu/+mirror/buaya.klas.or.id-archive>



Launchpad Buaya Ubuntu Release Sites

 Ubuntu

[Overview](#) [Code](#) [Bugs](#) [Blueprints](#) [Translations](#) [Answers](#)

Ubuntu mirror "BUAYA.klas.or.id"

Registered on 2013-04-13

Kelompok Linux Arek Suroboyo

Archive information

Owner:  Buayamirror 	Status: Official	Speed: 1 Gbps	Country: Indonesia
Whiteboard Sponsored by http://www.rad.net.id		Type: CD Image	Organisation: BUAYA.klas.or.id

Last probe

This mirror was last verified on 2021-08-29. You can see the [log file](#) of the probe.

Mirror location information

-  <https://buaya.klas.or.id/iso/ubuntu/releases/>
-  <http://buaya.klas.or.id/iso/ubuntu/releases/>

Versions and flavours mirrored

Version	Flavours
The Hirsute Hippo	Ubuntu
The Groovy Gorilla	Ubuntu
The Focal Fossa	Ubuntu
The Bionic Beaver	Ubuntu
The Xenial Xerus	Ubuntu
The Trusty Tahr	Ubuntu

<https://launchpad.net/ubuntu/+mirror/buaya.klas.or.id-release>

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2021



Buaya Now

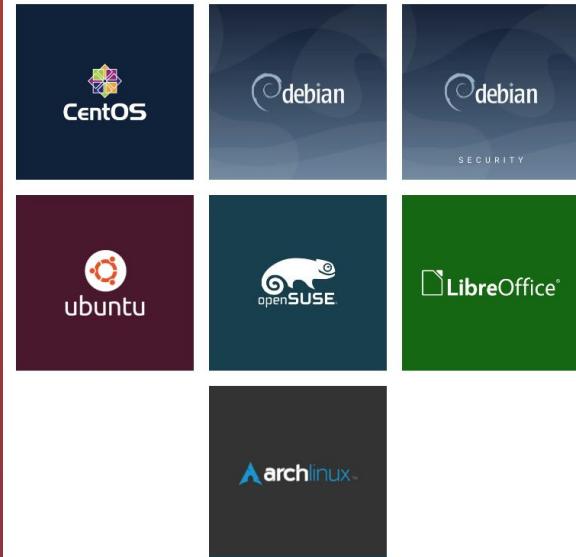
KELOMPOK LINUX AREK SUROBOYO

Selamat datang di Buaya!

Mirror ini merupakan persembahan KLAS kepada komunitas F/OSS (Free/Open Source Software). Pada saat ini kami menyediakan repositori Centos,Debian,Ubuntu,openSUSE, dan LibreOffice. Selain itu kami juga menyediakan citra ISO Debian dan Ubuntu. Dan akan bertambah seiring berjalannya waktu.

DAFTAR REPOSITORI DAN CITRA ISO
BERIKUT ADALAH DAFTAR REPOSITORI DAN CITRA ISO YANG ADA DI BUAYA

SEMUA [REPOSITORY] ISO





Buaya Now

Kelompok Linux Arrek Suroboyo > aplikasi > buaya-bot

buaya-bot

Project ID: 28701797

1 Commit 1 Branch 0 Tags 154 KB Files 154 KB Storage

master buaya-bot / + History Find file Web IDE Clone

Initial commit
Fadhil Yori Hibatullah authored 2 weeks ago e0a09f0e

README No license. All rights reserved Add Kubernetes cluster Configure Integrations

Add Security Testing

Name	Last commit	Last update
README.md	initial commit	2 weeks ago
main.py	initial commit	2 weeks ago

bot

Durasi: 00h 53m 07s 00.53

Arch Linux: berhasil (00j 34m 05d)
TDF LibreOffice: berhasil (00j 17m 35d)
AlmaLinux: gagal (00j 00m 00d)
Ubuntu: berhasil (00j 13m 10d)
Debian: gagal (00j 00m 00d)
Debian Security: gagal (00j 00m 00d)
openSUSE Leap: berhasil (00j 41m 14d)
Ubuntu ARM: berhasil (00j 05m 10d)

Durasi: 01h 51m 16s 13.51

August 29

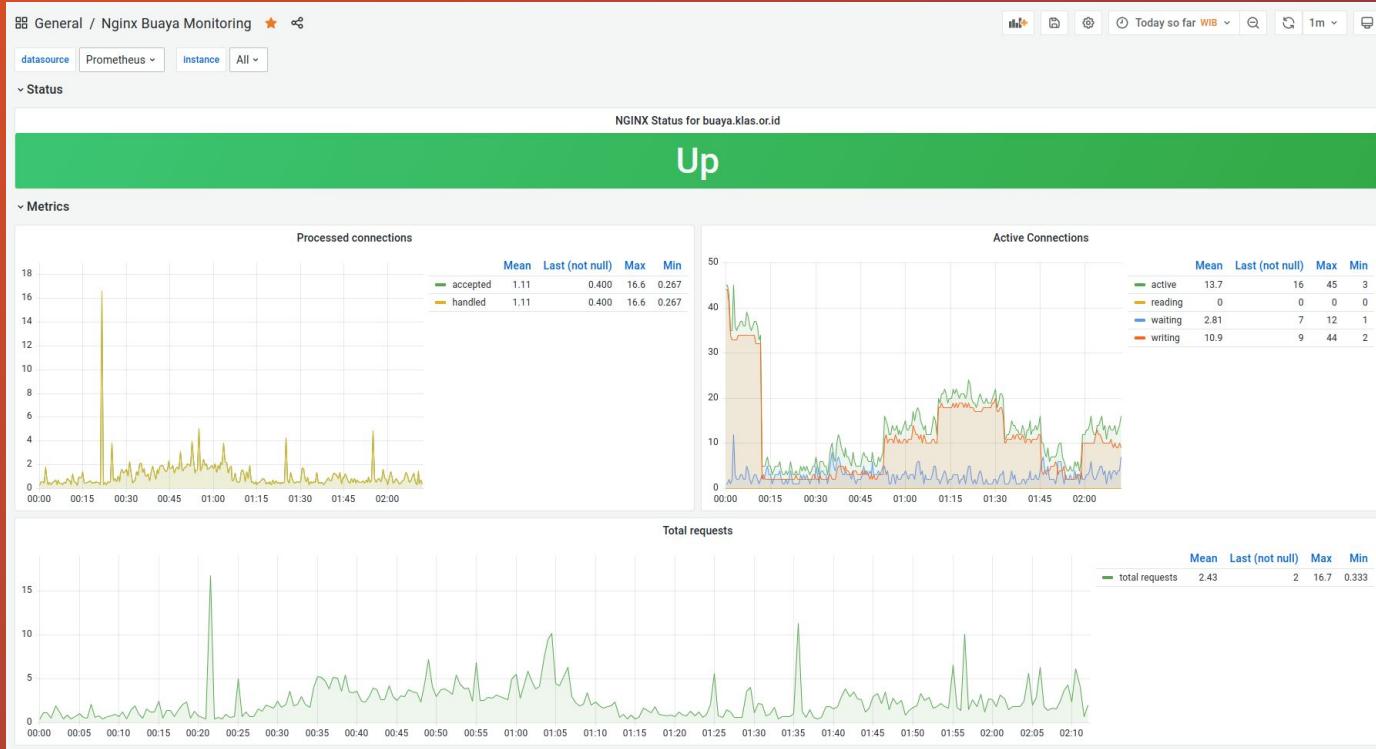
Arch Linux: berhasil (00j 07m 50d)
TDF LibreOffice: berhasil (00j 00m 08d)
AlmaLinux: gagal (00j 00m 00d)
Ubuntu: berhasil (00j 21m 16d)
Debian: gagal (00j 00m 00d)
Debian Security: gagal (00j 00m 00d)
openSUSE Leap: berhasil (00j 03m 28d)
Ubuntu ARM: berhasil (00j 04m 58d)

Durasi: 00h 37m 44s 00.37

berhasil = success, gagal = fail, durasi = duration

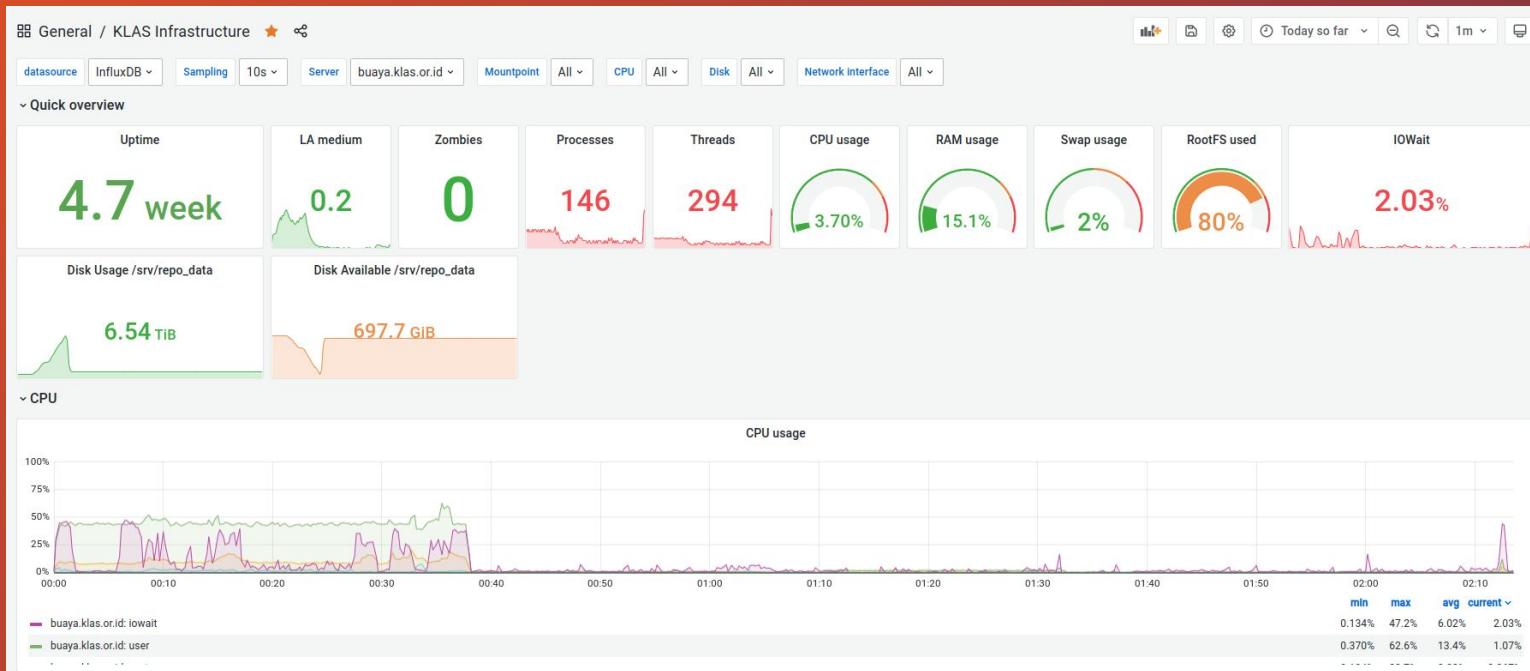


Buaya Now (Monitoring)



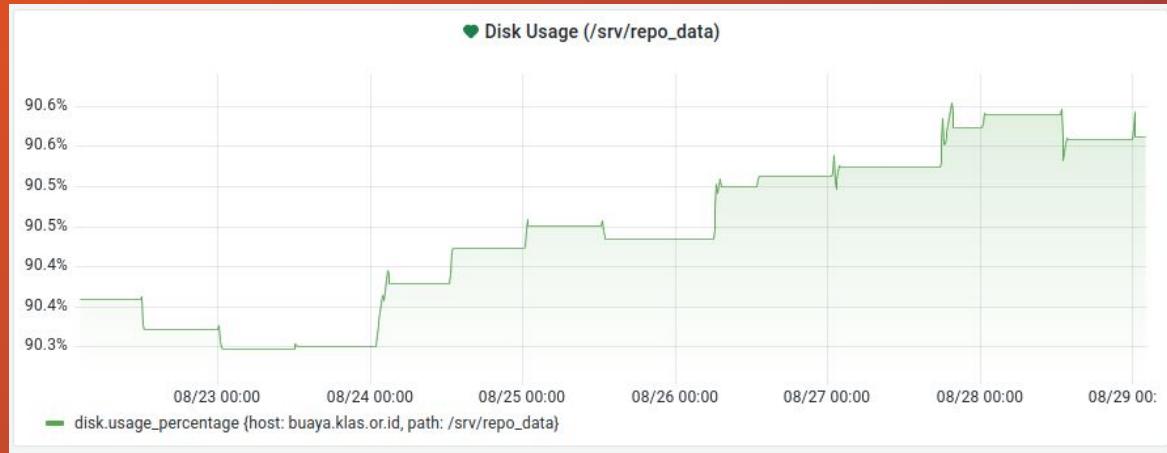


Buaya Now (Monitoring)





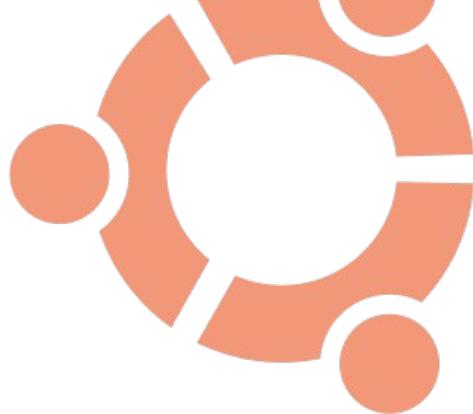
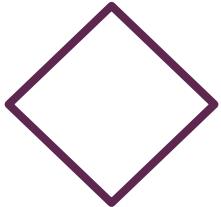
Buaya Now (Monitoring)



[Alerting] /srv/repo_data Disk Usage
State: /srv/repo_data Disk Usage
Message:
URL: <http://localhost:3000/d/uefKRxGk/dashboard?tab=alert&viewPanel=2&orgId=1>

Metrics:
disk.usage_percentage { path: /srv/repo_data host: buaya.klas.or.id }: 0.926 15.38

August 18, 2021

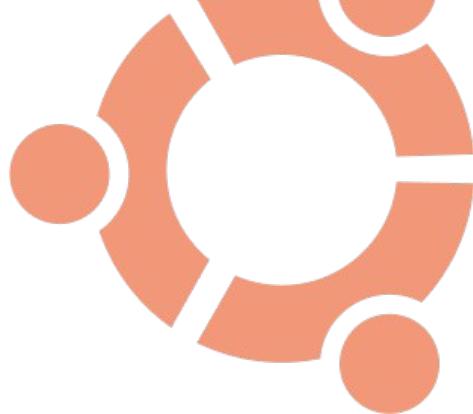
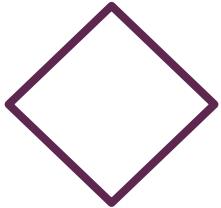


The Sponsors



Buaya Sponsors



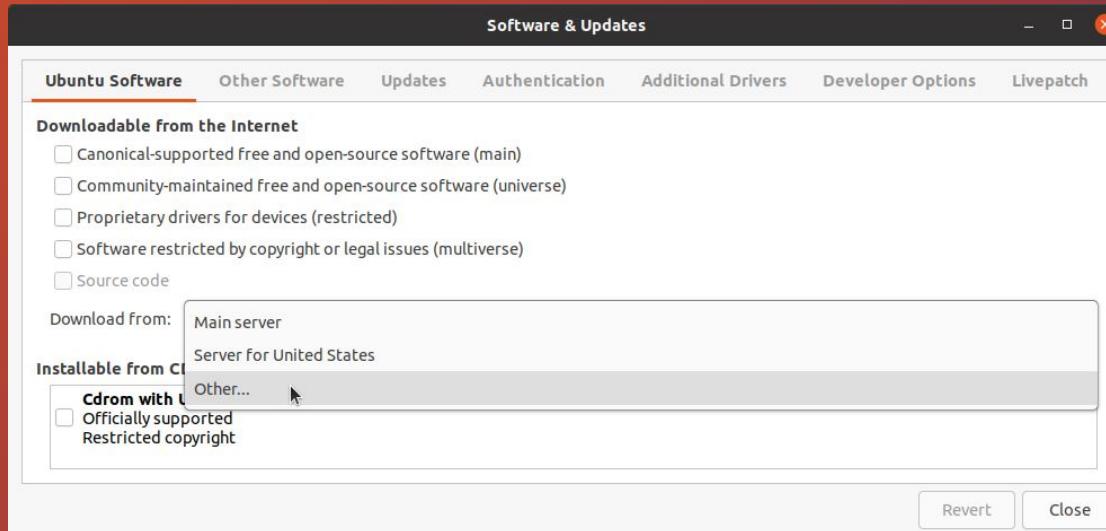


Using buaya.klas.or.id



How to use Buaya Mirror on Ubuntu (GUI)

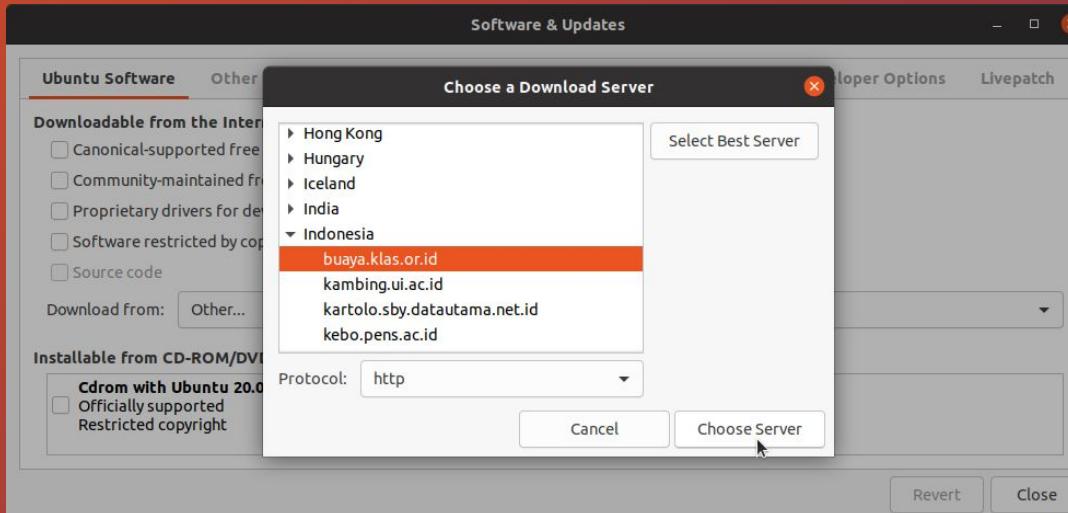
1. Open “Software & Updates”
2. Select “Other” at “Download From” field





How to use Buaya Mirror on Ubuntu (GUI)

1. Open “Software & Updates”
2. Select “Other” at “Download From” field
3. Search “Indonesia” and select “buaya.klas.or.id”
4. Click “Choose Server”





How to use Buaya Mirror on Ubuntu (GUI)

1. Open “Software & Updates”
2. Select “Other” at “Download From” field
3. Search “Indonesia” and select “buaya.klas.or.id”
4. Click “Choose Server”
5. Click “Close” to apply
6. Done :)



How to use Buaya Mirror on Ubuntu (CLI)

1. Edit /etc/apt/sources.list
2. Change the default URL to "<https://buaya.klas.or.id/ubuntu/>"
Example :

```
deb https://buaya.klas.or.id/ubuntu/ focal main
```

```
deb-src https://buaya.klas.or.id/ubuntu/ focal main
```

3. Save the changes
4. Execute `sudo apt update`

We are open to any feedback
to make Buaya better

mirror@klas.or.id



We are Also Open Donations for our Public Services Become our Patrons!



Saweria.co/klasactivity



patreon.com/klas_activity



Find out us more at



klas.or.id



www.linkedin.com/in/kelompoklinuxareksuroboyo/



instagram.com/klas_activity

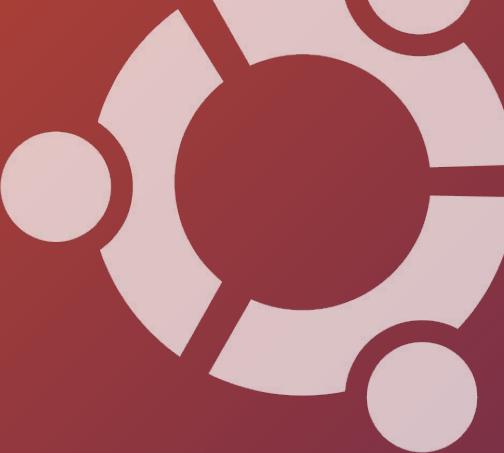


fb.com/kelompoklinuxareksuroboyo



admin@klas.or.id





Thank you!

Terima Kasih!

Visit Our Community:



klas.or.id



[klas_activity](#)



[Patreon.com/klas_activity](https://www.patreon.com/klas_activity)



Kelompok Linux Arek Suroboyo

[Saweria.co/klasactivity](https://saweria.co/klasactivity)

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