



SANOG-39: A JOURNEY OF LEARNING AND IMPLEMENTATION

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INTRODUCTION

Presentation By :
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From LK Domain Registry



ABOUT SANOG-39



South Asian Network Operators Group
A non-profit forum for Data Network Operators in South Asia

- Regional forum to discuss operational issues and technologies of interest to data operators in the South Asian Region
- 09th May till 13th May, 2023
- Pan Pacific and Hotel Intercontinental, Dhaka
- Hosted by ISPAB in collaboration with the bdNOG
- Network Automation Instructors:
 - Anurag Bhatia (Hurricane Electric)
 - Rupesh Basnet (OM Networks)
 - Shaila Sharmin (Prime Bank)

WHY FELLOWSHIP

Professional Development

Fellowships help you grow personally and professionally by offering special training, mentors, and chances to meet new people.

Financial Support

Financial Support is a very valuable aspect.

Recognition

Being awarded a fellowship can be a significant achievement and can provide validation and recognition for work and accomplishments.

Community

Fellowships can offer chances to network with other experts in our area and create a welcoming community.

LEARNING FROM SANOG



CONTAINERIZATION



AUTOMATION



CI/CD PIPELINE

NEW LEARNING FOR ME

Introduction of Containerization

Containerization is a method of packaging and running applications with all their dependencies in isolated environments called containers. These containers share the host operating system's kernel, making them efficient and portable.

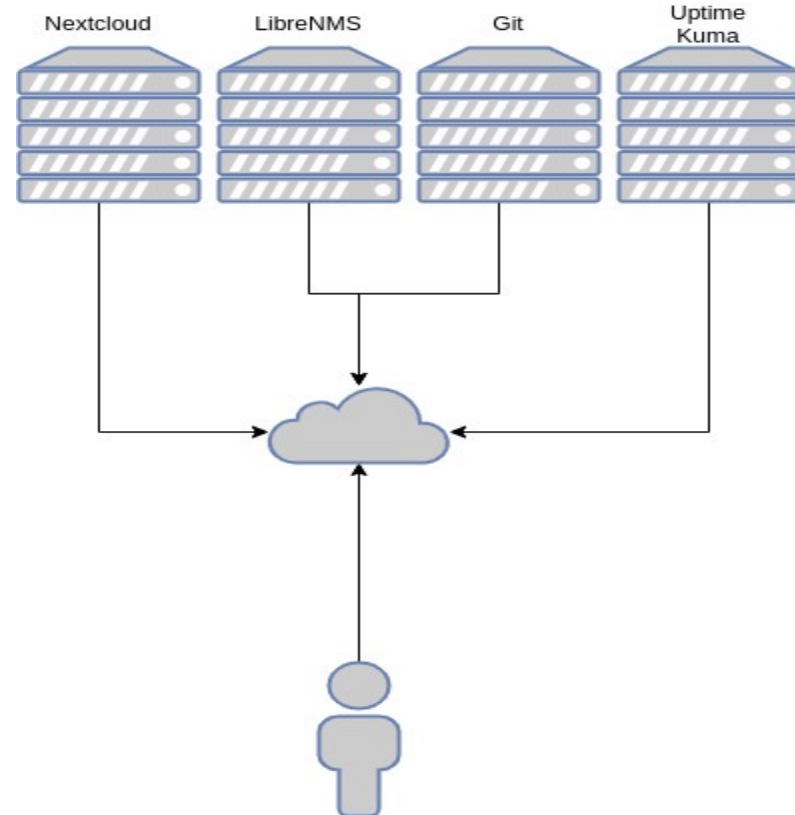
Containerization simplifies application deployment, enhances resource efficiency, and is a key component of modern DevOps practices.



HOW I APPLIED DOCKER

Previous Architecture

- Only One Product per VPS
- High Operational cost
- Maintenance is inconvenient



NEW ARCHITECTURE

Container list

Containers Start Stop Kill Restart Pause Resume Remove + Add container

Name ↓↑	State ↓↑	Filter ▾	Quick Actions	Stack ↓↑	Image ↓↑	Created ↓↑	IP Address ↓↑	Published Ports	Ownership ↓↑
caddy_app_1	running			caddy	caddy:latest	2023-05-16 17:16:19	172.19.0.2	80:80 443:443	administrators
uptime-kuma	healthy			uptimekuma	loulslam/uptime-kuma	2023-05-16 17:33:37	172.18.0.2	3001:3001	administrators
librenms_msmtpd	healthy			compose	crazyman/msmtpd:latest	2023-05-17 09:31:36	172.20.0.7	-	administrators
librenms_redis	running			compose	redis:5.0-alpine	2023-05-17 09:46:49	172.20.0.4	-	administrators
librenms	running			compose	librenms/librenms:latest	2023-05-17 09:47:01	172.20.0.3	8000:8000	administrators
librenms_snmptrapd	running			compose	librenms/librenms:latest	2023-05-17 09:47:11	172.20.0.8	162:162	administrators
librenms_dispatcher	running			compose	librenms/librenms:latest	2023-05-17 09:47:14	172.20.0.5	-	administrators
librenms_syslogng	running			compose	librenms/librenms:latest	2023-05-17 09:47:15	172.20.0.2	514:514	administrators
dns	exited			bind9	ubuntu/bind9:latest	2023-05-18 15:32:56	-	-	administrators
librenms_db	running			compose	marladb:10.5	2023-05-23 09:40:59	172.20.0.6	-	administrators

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WHAT I ACHIEVED FROM SANOG

- Meeting new people from different cultures
 - Expanding my knowledge
 - Trying out new things
 - New life experience
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GET IN TOUCH

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THANK YOU