

# Welcome

## Network Monitoring and Management

### INNOG 6

March 23 - 25, 2023



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# Workshop Schedule

Schedule	Time
Session 1	10:00 - 11:15
Break	11:15 - 11:45
Session 2	11:45 - 13:00
Lunch	13:00 - 14:00
Session 3	14:00 - 15:15
Break	15:15 - 15:45
Session 4	15:45 - 17:00

# Workshop Instructors

Name	Organization	Country
Chatur Ratna Shakya	PCH	Nepal
Dibya Khatiwada	PCH	Nepal
Niraj Acharya	NREN	Nepal

# Workshop Participants Introduction

- Name
- Organization
- Position / Field of work
- Brief work overview
- Reason for joining workshop
- Expected outcome from the event

# Workshop Agenda

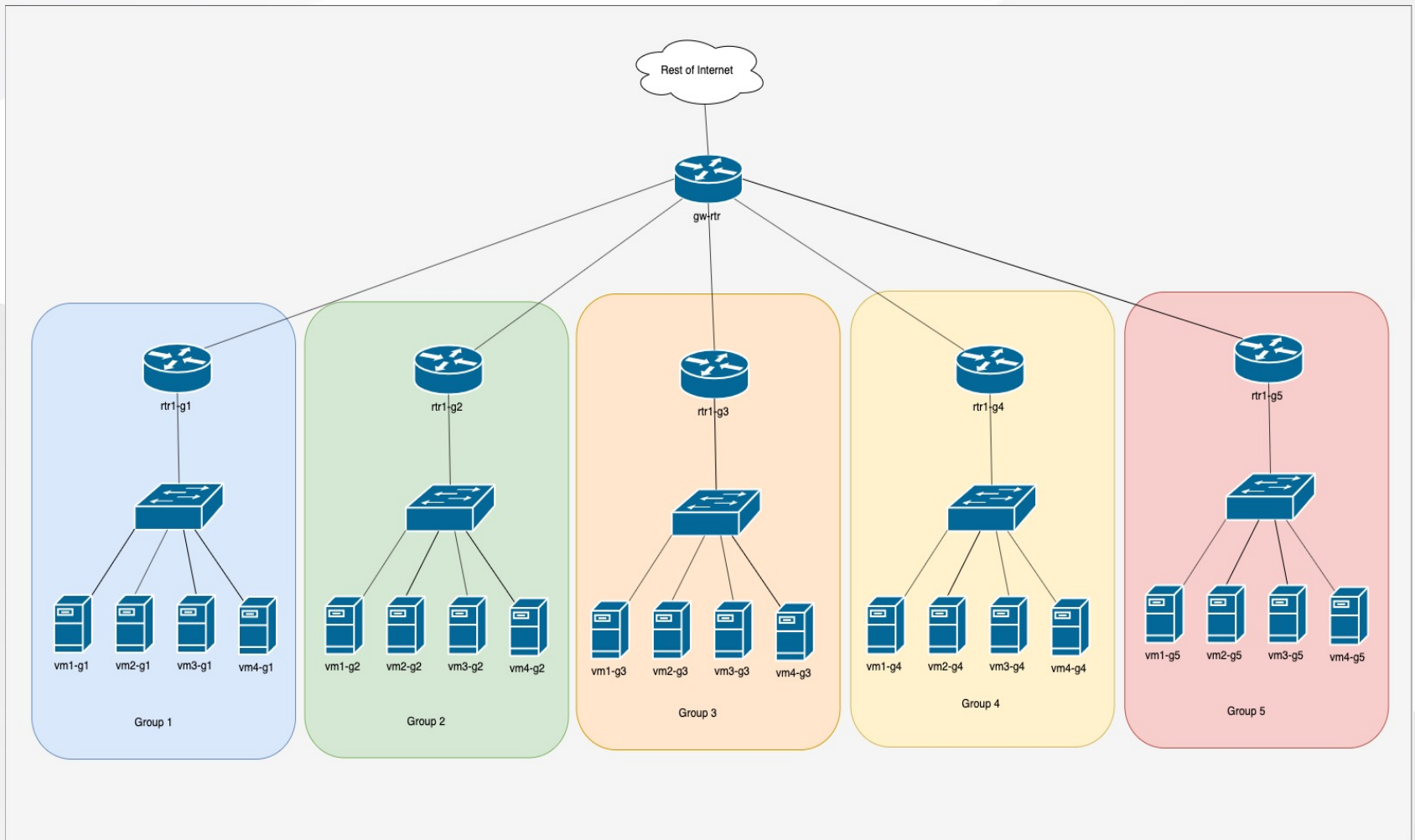
## Agenda / Course Materials

- <http://innog6.shakya.io/>

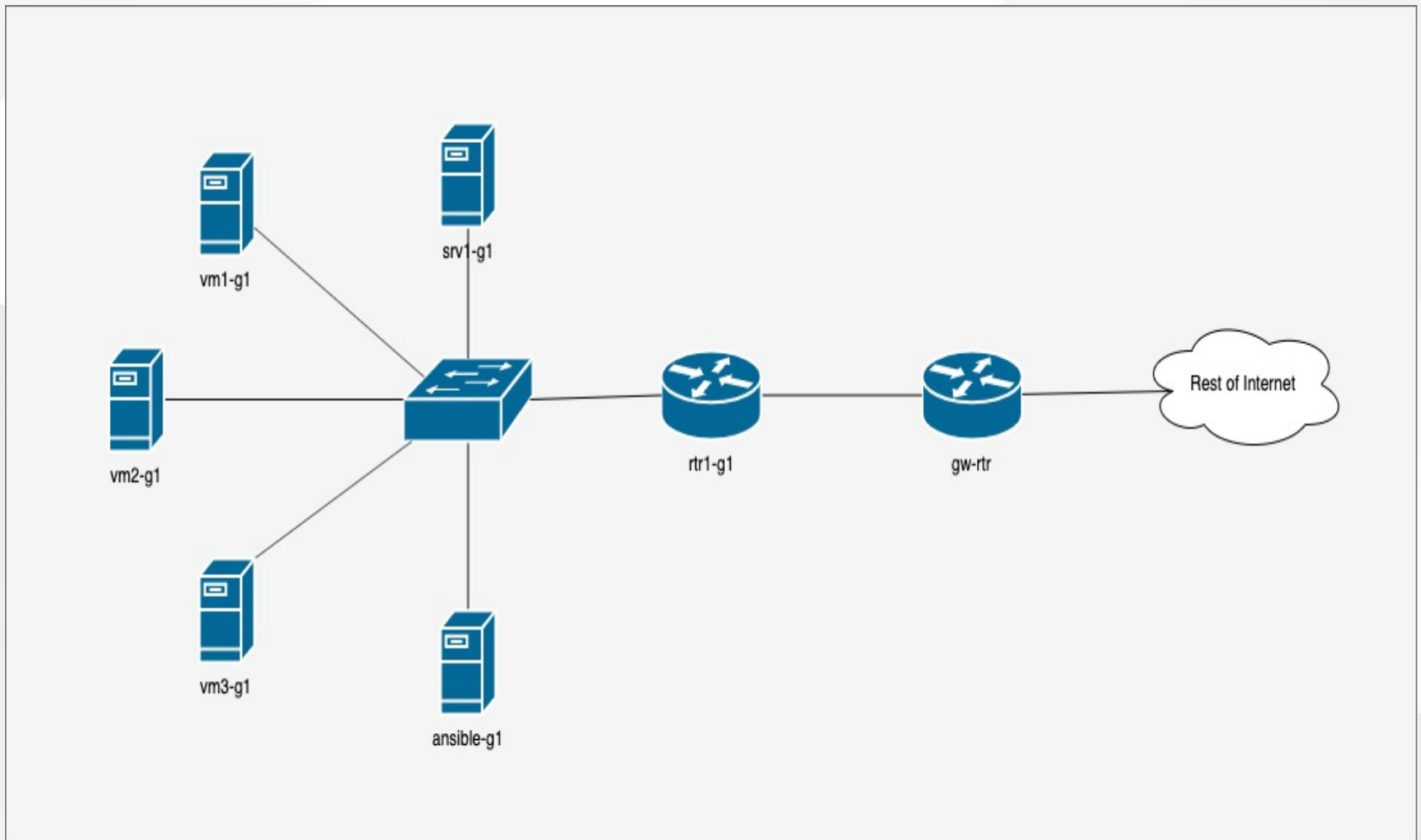
## During the workshop

- Show Briefing Slides
- Please ask questions as you have them.
- Your experiences are valuable. Please share them.
- The schedule is somewhat flexible.

# Network Diagram Overview



# Group 1 Network Diagram



# Single Group Detail

## Network Devices

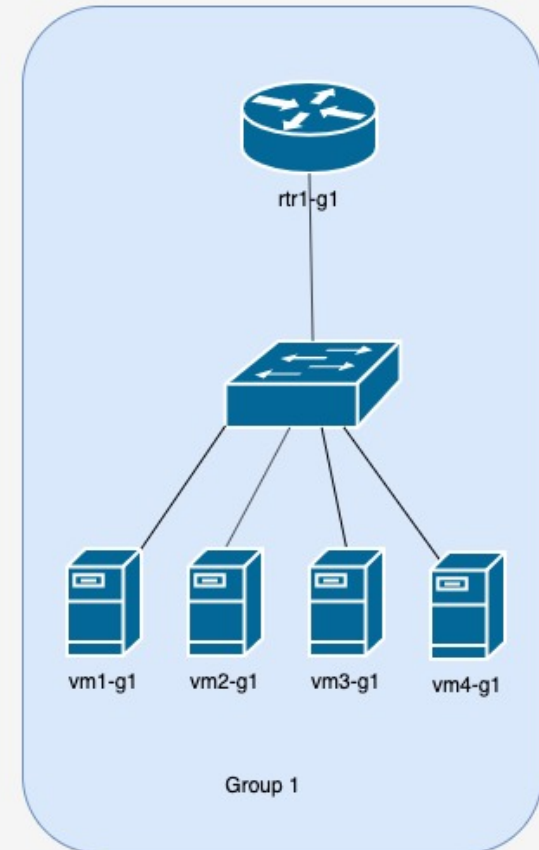
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gw-rtr.lab.shakya.io: 36.0.4.254  
rtr1.lab.shakya.io: 36.0.5.254  
rtr1-g1.lab.shakya.io: 36.0.4.1

## Servers

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srv1.lab.shakya.io: 36.0.5.1  
srv2.lab.shakya.io: 36.0.5.2  
srv3.lab.shakya.io: 36.0.5.3  
srv4.lab.shakya.io: 36.0.5.4





# Group Details

Group 1		Group 2	
rtr1-g1.lab.shakya.io	36.0.4.1	rtr1-g2.lab.shakya.io	36.0.4.2
srv1.lab.shakya.io	36.0.5.1	srv5.lab.shakya.io	36.0.5.5
srv2.lab.shakya.io	36.0.5.2	srv6.lab.shakya.io	36.0.5.6
srv3.lab.shakya.io	36.0.5.3	srv7.lab.shakya.io	36.0.5.7
srv4.lab.shakya.io	36.0.5.4	srv8.lab.shakya.io	36.0.5.8

Group 3		Group 4	
rtr1-g3.lab.shakya.io	36.0.4.3	rtr1-g4.lab.shakya.io	36.0.4.4
srv9.lab.shakya.io	36.0.5.9	srv13.lab.shakya.io	36.0.5.13
srv10.lab.shakya.io	36.0.5.10	srv14.lab.shakya.io	36.0.5.14
srv11.lab.shakya.io	36.0.5.11	srv15.lab.shakya.io	36.0.5.15
srv12.lab.shakya.io	36.0.5.12	srv16.lab.shakya.io	36.0.5.16

# Group Details (Contd.)

Group 5		Group 6	
rtr1-g5.lab.shakya.io	36.0.4.5	rtr1-g6.lab.shakya.io	36.0.4.6
srv17.lab.shakya.io	36.0.5.17	srv2.lab.shakya.io	36.0.5.21
srv18.lab.shakya.io	36.0.5.18	srv22.lab.shakya.io	36.0.5.22
srv19.lab.shakya.io	36.0.5.19	srv23.lab.shakya.io	36.0.5.23
srv20.lab.shakya.io	36.0.5.20	srv24.lab.shakya.io	36.0.5.24

Group 7		Group 8	
rtr1-g7.lab.shakya.io	36.0.4.7	rtr1-g8.lab.shakya.io	36.0.4.8
srv25.lab.shakya.io	36.0.5.25	srv29.lab.shakya.io	36.0.5.29
srv26.lab.shakya.io	36.0.5.26	srv30.lab.shakya.io	36.0.5.30
srv27.lab.shakya.io	36.0.5.27	srv31.lab.shakya.io	36.0.5.31
srv28.lab.shakya.io	36.0.5.28	srv32.lab.shakya.io	36.0.5.32

# Group Details (Contd.)

Group 9		Group 10	
rtr1-g9.lab.shakya.io	36.0.4.9	rtr1-g10.lab.shakya.io	36.0.4.10
srv33.lab.shakya.io	36.0.5.33	srv37.lab.shakya.io	36.0.5.37
srv34.lab.shakya.io	36.0.5.34	srv38.lab.shakya.io	36.0.5.38
srv35.lab.shakya.io	36.0.5.35	srv39.lab.shakya.io	36.0.5.39
srv36.lab.shakya.io	36.0.5.36	srv40.lab.shakya.io	36.0.5.40

Group 11		Group 12	
rtr1-g11.lab.shakya.io	36.0.4.11	rtr1-g12.lab.shakya.io	36.0.4.12
srv41.lab.shakya.io	36.0.5.41	srv45.lab.shakya.io	36.0.5.45
srv42.lab.shakya.io	36.0.5.42	srv46.lab.shakya.io	36.0.5.46
srv43.lab.shakya.io	36.0.5.43	srv47.lab.shakya.io	36.0.5.47
srv44.lab.shakya.io	36.0.5.44	srv48.lab.shakya.io	36.0.5.48

# We will assign srvs & Groups Now

- 1 transit routers (gw-rtr)
- 12 border routers (rtr1-gY)
- 48 virtual servers
  - 1 server per user (srvX)

1. You will work in groups of 4-8 on some exercises
2. Please choose your location for the week now
3. You will use your group's virtual machines all week

# Virtual Machine Access

- There are 48 Virtual Machines:
  - `srvX.lab.shakya.io`
- Each virtual machine has two users:
  - General user: `lab`
  - Administrative user: `root`
- Password for `lab` is written on the board

# Router Access

- There are 12 routers:
  - `rtr1-gY.lab.shakya.io`
- Each router has one users:
  - General user: `lab`
- Password for `lab` and Secret for `enable` comand are written on the board

# Questions

**Please Ask Questions At Any Time**

Feel free to ask questions at any time !

