



UbuCon Korea 2024

좌충우돌 DebConf24 인프라 구축기

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DebConf24?



And then I realised. My kind of people ... I am surrounded by my kind of people.



Debconf 24
Busan, South Korea



Next year:
Debconf 25
Brest, France

초기 구상 1

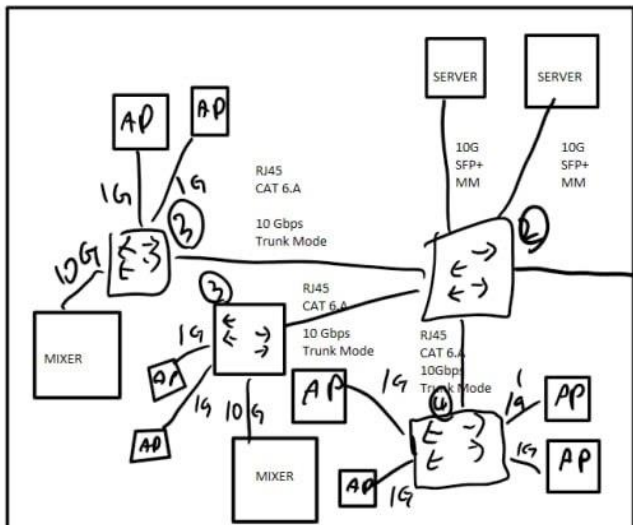


- 1: Supermicro VyOS 100G + 40G
- 2: QuantaMesh T3048-LY2R
- 3: Dell X1052
- 4: CISCO WS-C3560X-48PF-L
- 5: Juniper EX3200-24T

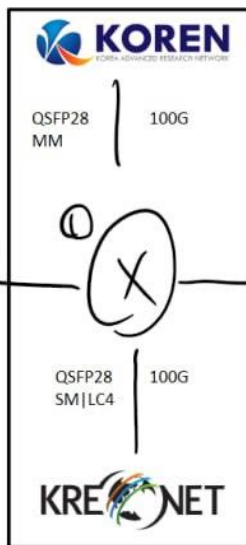
Public ips will be assigned to servers

- Trunk
- 10: KOREN
- 20: KREONET
- 30: NAT (for AP Use)

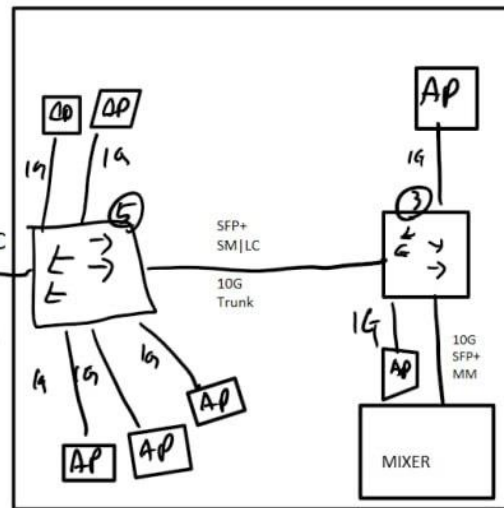
Eng1 Bldg



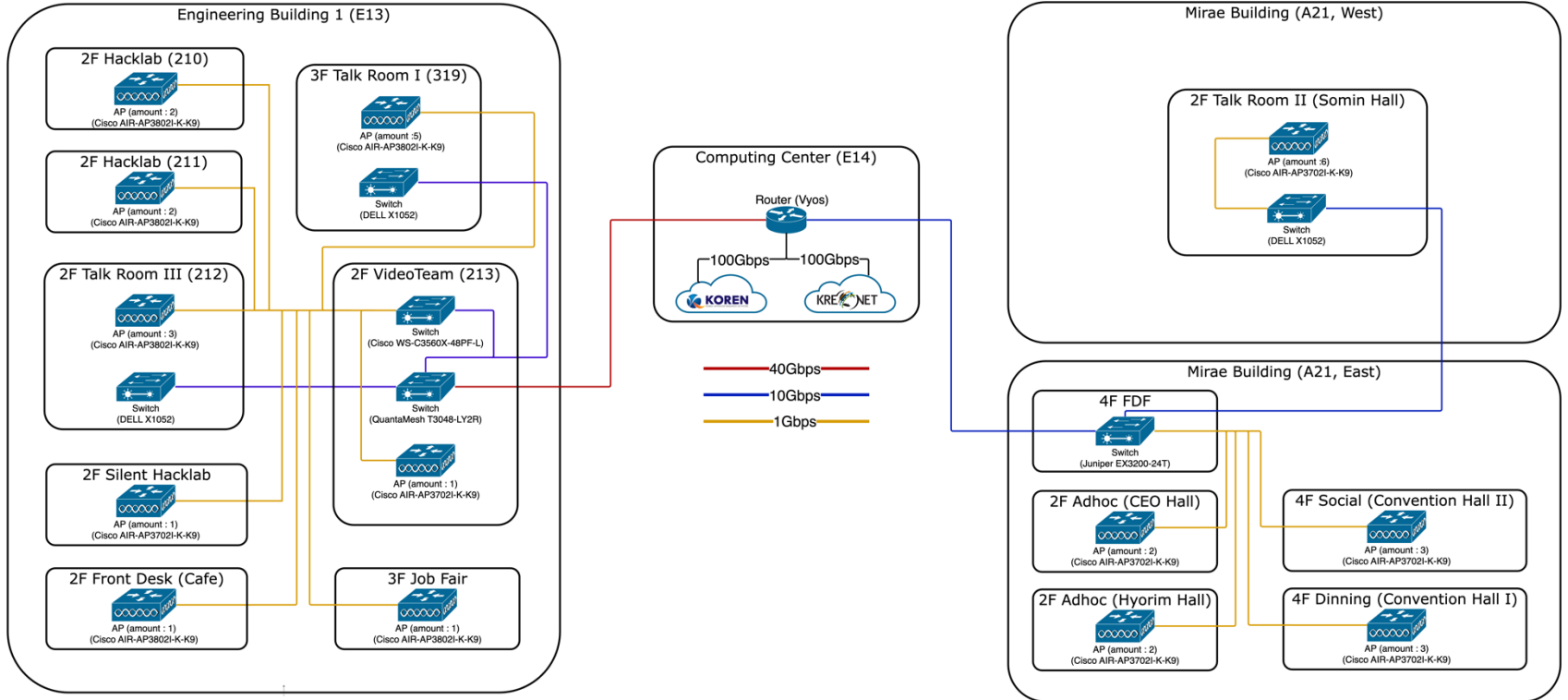
Computing Center



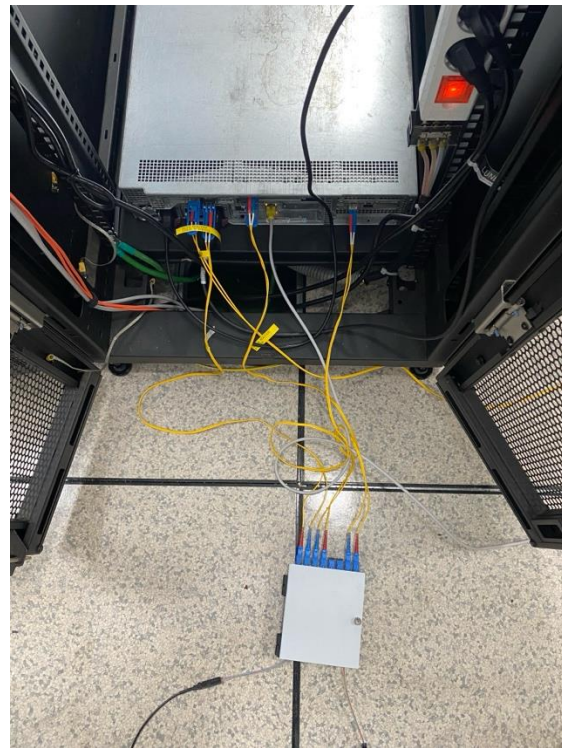
Mirae Bldg



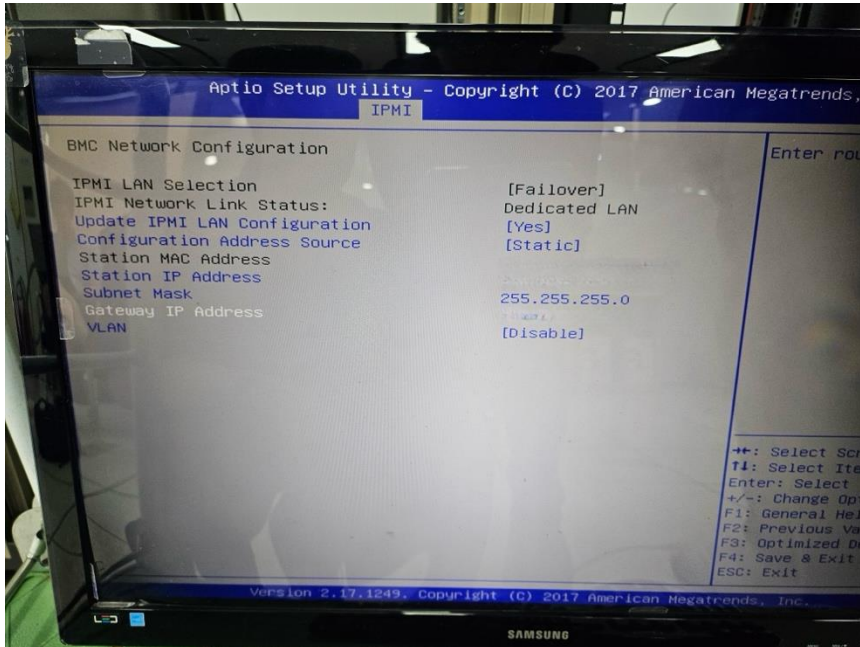
초기 구상 2



커스텀 라우터



커스텀 라우터 (cont.)



사용된 장비 벤더



- Vynos
- QuantaMesh
- Juniper
- Cisco
- Dell

Asset Management Label



● Made with LaTeX and pdflatex

	A	B	C	D	E	F	G	H
1								
2	제고 ID (자동생성)	Team	카테고리	No.	용도	모델명	소유자	도착예정일자
3	INFRA-A001	INFRA	Network	1	Router	Supermicro VyOS	Infra Team	
4	INFRA-A002	INFRA	Network	2	Switch	QuantaMeshT3048-LY2R	Infra Team	
5	INFRA-A003	INFRA	Network	3	Switch	Juniper EX3200-24T	Infra Team	
6	INFRA-A004	INFRA	Network	4	Switch	Dell X1052	Infra Team	
7	INFRA-A005	INFRA	Network	5	Switch	Dell X1052	Infra Team	
8	INFRA-A006	INFRA	Network	6	Switch	Dell X1052	Infra Team	
9	INFRA-A007	INFRA	Network	7	Switch	Cisco WS-C3560X-48PF-L	Infra Team	
10	INFRA-A008	INFRA	Network	8	Switch Module	Cisco C3KX-SM-10G	Infra Team	
11	INFRA-A009	INFRA	Network	9	GBIC	40G QSFP LC SM 2KM	Infra Team	
12	INFRA-A010	INFRA	Network	10	GBIC	40G QSFP LC SM 2KM	Infra Team	
13	INFRA-A011	INFRA	Network	11	GBIC	10G SFP+ LC MM 300M	Infra Team	
14	INFRA-A012	INFRA	Network	12	GBIC	10G SFP+ LC MM 300M	Infra Team	
15	INFRA-A013	INFRA	Network	13	GBIC	10G SFP+ LC MM 300M	Infra Team	
16	INFRA-A014	INFRA	Network	14	GBIC	10G SFP+ LC MM 300M	Infra Team	
17	INFRA-A015	INFRA	Network	15	GBIC	10G SFP+ LC MM 300M	Infra Team	
18	INFRA-A016	INFRA	Network	16	GBIC	10G SFP+ LC MM 300M	Infra Team	
19	INFRA-A017	INFRA	Network	17	GBIC	10G SFP+ LC SM	Infra Team	
20	INFRA-A018	INFRA	Network	18	GBIC	10G SFP+ LC SM	Infra Team	
21	INFRA-A019	INFRA	Network	19	GBIC	10G SFP+ LC SM	Infra Team	
22	INFRA-A020	INFRA	Network	20	GBIC	10G SFP+ LC SM	Infra Team	
23	INFRA-A021	INFRA	Network	21	GBIC	XFP SM LR 10KM	RouI	
24	INFRA-A022	INFRA	Network	22	PoE 인젝터	PoE 인젝터	Infra Team	
25	INFRA-A023	INFRA	Network	23	PoE 인젝터	PoE 인젝터	Infra Team	
26	INFRA-A024	INFRA	Network	24	PoE 인젝터	PoE 인젝터	Infra Team	
27	INFRA-A025	INFRA	Network	25	PoE 인젝터	PoE 인젝터	Infra Team	
28	INFRA-A026	INFRA	Network	26	PoE 인젝터	PoE 인젝터	Infra Team	
29	INFRA-A027	INFRA	Network	27	PoE 인젝터	PoE 인젝터	Infra Team	
30	INFRA-A028	INFRA	Network	28	PoE 인젝터	PoE 인젝터	Infra Team	
31	INFRA-A029	INFRA	Network	29	PoE 인젝터	PoE 인젝터	Infra Team	
32	INFRA-A030	INFRA	Network	30	PoE 인젝터	PoE 인젝터	Infra Team	

```
1 \documentclass[s4paper,9pt]{article}
2 \usepackage{qrcode}
3 \usepackage{table}{xcolor}
4 \usepackage{geometry}
5 \usepackage{multicol}
6 \usepackage{fancyhdr}
7 \usepackage{array}
8 \usepackage{tikz}
9 \usepackage{svg}
10 \geometry{paperwidth=57mm,
11 \paperheight=33mm, margin=0.7mm}
12 \pagestyle{empty}
13 \usepackage{sansmath}
14 \renewcommand{\familydefault}{\sfdefault}
15 \begin{document}
16
17 % 전체 태두리 설정
18 \noindent
19 \fbox{
20 \begin{minipage}{\dimexpr\linewidth-
21 3\fbboxsep-3\fbboxrule\relax}
22 % 상단 검은색 배경
23 \noindent
24 \colorbox{black}{
25 \parbox{\dimexpr\linewidth-
26 4\fbboxsep\relax}{
27 \centering
28 \begin{minipage}
29 {0.1\linewidth}
30
31 \includesvg{height=12
```


그래서 어떤 결과를 얻었는가?



Traffic:

Total upstream bandwidth: 200 Gbps

KREONET (In) 1.12 TB (Out) 6.75 TB

KOREN (In) 437 GB (Out) 75 GB

Deployments:

Access Point deployed: 20

Fibres deployed: 1.6 km

UTP deployed: 2.2 km

Cables out of windows: 5 = (3 x UTP) + (2 x Fibres)

고장난 것들..



Broken:

Broken Fibre: 1

Broken Wireless Microphone: 1

Univ. PCs that now run Debian: 1 (was Windows)

Uplinks eagerly torn down: 1

회선 연결 (물리)



UTP: 2.2 km



Fiber: 1.6 km

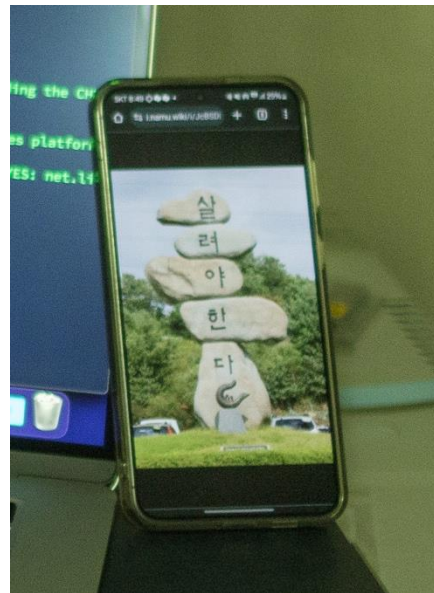
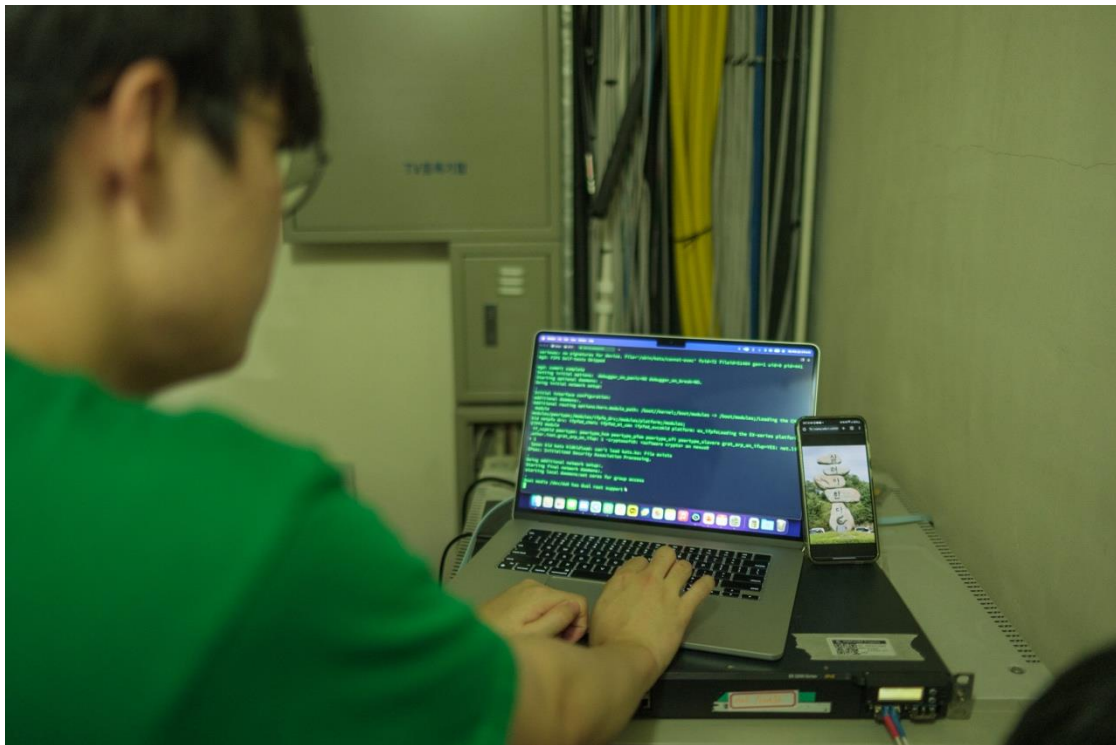
Cables out of windows



사고 1



사고 2



사고 3

Broken:

Broken Fibre: 1

Broken Wireless Microphone: 1

Univ. PCs that now run Debian: 1 (was Windows)

Uplinks eagerly torn down: 1



사고 4



changwoo

[redacted] label.pdf?

id=%EA%B0%801&model=%EA%B3%A0%EB%A0%A4%EC%B2%AD%EC%9E%90&remark=%EC%98%A4%EC%9E%8

9 와 한글넣으니 500이닷

%EA ... %89 = 고려청자

ldmsys

저게 latex에서 한글 지원 패키지를 집어넣어줘야 지원이 되는데 지원을 넣을생각조차 안했군요

changwoo

장난이예요. 불필요하면 넣지 마시고..

Giyeon bang

ㅋㅋㅋㅋㅋㅋㅋㅋ

ldmsys

고려청자만 안들고오시면 어지간한 장비는 영어로 집어넣을 수 있을 것 같습니다

L

ldmsys

PoE ... %B0 = PoE 인젝터

[redacted] label.pdf?id=INFRA-

A023&model=PoE%20%EC%9D%B8%EC%A0%9D%ED%84%B0&remark=

@changwoo : 고려청자 말고 재물관리대장에 모델명 한글이 있어서 고쳤습니다



사실 ID가 QR코드 만들때 쓰여서 ID에 한글 집어넣으시면 렌더링 안됩니다

Access Point



- Cisco CAPs isn't Configurable Standalone

Dashboard



Overview

