

GMO INTERNET

Work Report

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## 1.Overview

### <1-1 Overview>

This section describes the work contents for building the main site of ccTLD ".mm" registry system in Myanmar.

## 2.Location

### <2-1 Location>

- Country : Myanmar
- Data Center : e-Government Data Center
- Rack : 010109

## 3. The work contents for building

### <3-1 Rack mount position change>

The rack mounting position has been changed as shown in the following figure.

## ■ Rack Layout

before		after	
	Rack Number:010109		Rack Number:010109
42		42	
41	Patch panel	41	Patch panel
40	Cable Space	40	Cable Space
39		39	
38	Cisco ISR4221/K9 (regmm-010109-2-gw)	38	
37	Cable Space	37	
36	Cisco ISR4221/K9 (regmm-010109-1-gw)	36	
35	Cable Space	35	
34	FORTINET FortiGate 101E (regmm-010109-1b-fw)	34	Dell DMPU2016-G01 (console-regmm-010109-1)
33	Cable Space	33	Cable Space
32	FORTINET FortiGate-101E (regmm-010109-1a-fw)	32	Cisco ISR4221/K9 (regmm-010109-2-gw)
31	Cable Space	31	Cisco ISR4221/K9 (regmm-010109-1-gw)
30	Cisco WS-C2960X-24TS-L (regmm-010109-2-sw)	30	Cable Space
29	Cable Space	29	FORTINET FortiGate 101E (regmm-010109-1b-fw)
28	Cisco WS-C2960X-24TS-L (regmm-010109-1-sw)	28	FORTINET FortiGate-101E (regmm-010109-1a-fw)
27	Cable Space	27	Cable Space
26	Cable Space	26	Cisco WS-C2960X-24TS-L (regmm-010109-2-sw)
25	Cable Space	25	Cisco WS-C2960X-24TS-L (regmm-010109-1-sw)
24	Cable Space	24	Cable Space
23	Cable Space	23	Cable Space
22	Shelf Board	22	Shelf Board
21		21	
20		20	
19	Dell DMPU2016-G01 (console-regmm-010109-1)	19	
18		18	
17	Dell PowerEdge R440 Server (vmh02)	17	Dell PowerEdge R440 Server (vmh01)
16		16	
15	Dell PowerEdge R440 Server (vmh01)	15	Dell PowerEdge R440 Server (vmh02)
14		14	
13		13	
12		12	
11		11	
10		10	
9		9	
8		8	
7		7	
6		6	
5		5	
4	Mount Prohibited	4	Mount Prohibited
3	Mount Prohibited	3	Mount Prohibited
2	Mount Prohibited	2	Mount Prohibited
1	Mount Prohibited	1	Mount Prohibited

## <3-2 Ethernet cable connection>

We wired Between The devices.

- Router to Router
- Router to Firewall
- Firewall to Firewall
- Firewall to Switch
- Switch to Switch
- Switch to Server

## <3-3 Network device settings>

We set up following The network devices.

- Router : Cisco ISR4221/K9
- Firewall : FORTINET FortiGate 101E
- Switch : Cisco WS-C2960X-24TS-L
- Console : Dell DMPU2016-G01

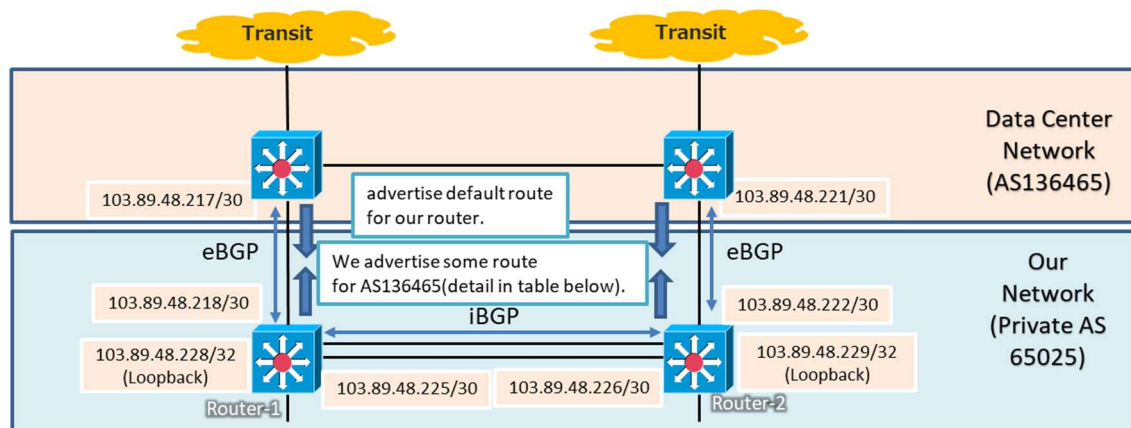
## <3-4 Server iDRAC setting>

We set up following The server devices.

- Server : Dell PowerEdge R440 Server

## <3-5 Connect to the Data Center Network(AS136465)>

Connected to the Data Center Network(AS136465) as shown in the following figure.



Then, route exchange by eBGP assumes the contents of the table below.

Advertise for AS136465		
Network	Use for	Comment
103.89.48.192/28	Server	
103.89.48.208/29	Routing	
103.89.48.224/30	Router-1 – Router-2 interconnect	
103.89.48.228/32	Router-1 Loopback	
103.89.48.229/32	Router-2 Loopback	
Advertise from AS136465		
Network	Use for	Comment
0.0.0.0/0	default routing	Please advertise only default route for our router.

### <3-6 Data Center Network setting change support>

We supported MED for ebgp of Data Center Network Device setting in order to redundant network access.

A network issue has been identified on Data Center Network when We were Confirming network access. When Router1/2 UP link shutdown some IP address could not access.

We supported Network Device setting.