Report

Bandwidth Utilization

Reference No	:	R-NOC-5.2
Version No	:	01
Week No	:	23

Prepared by:

Position / Title	Name	Signature	Date
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1.0 UPTIME GRAPHS

1.1 Internet: Eastern Telecoms (100Mbps)
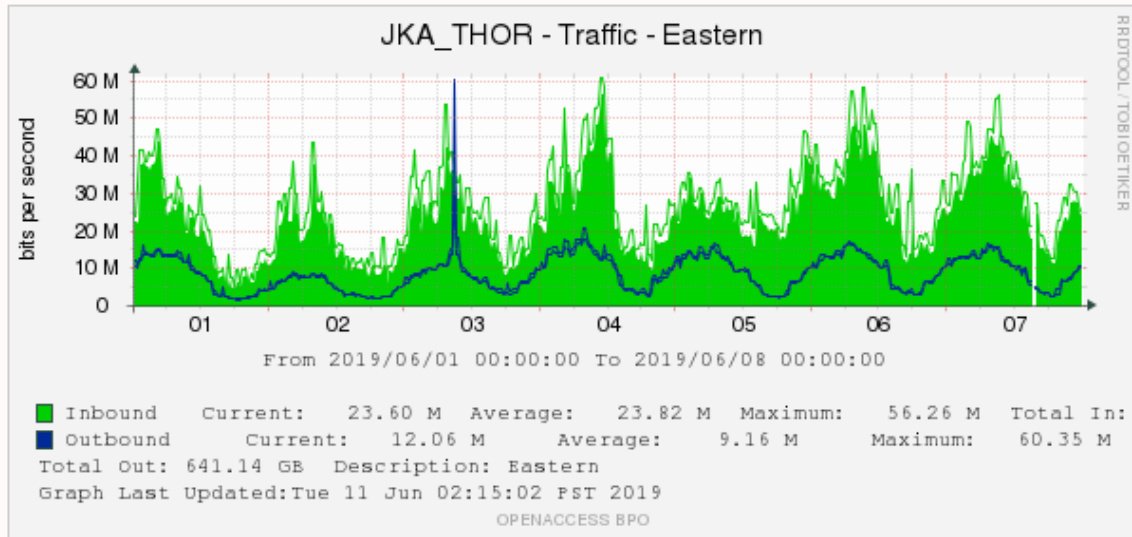
1.2 Internet: Globe (30Mbps)
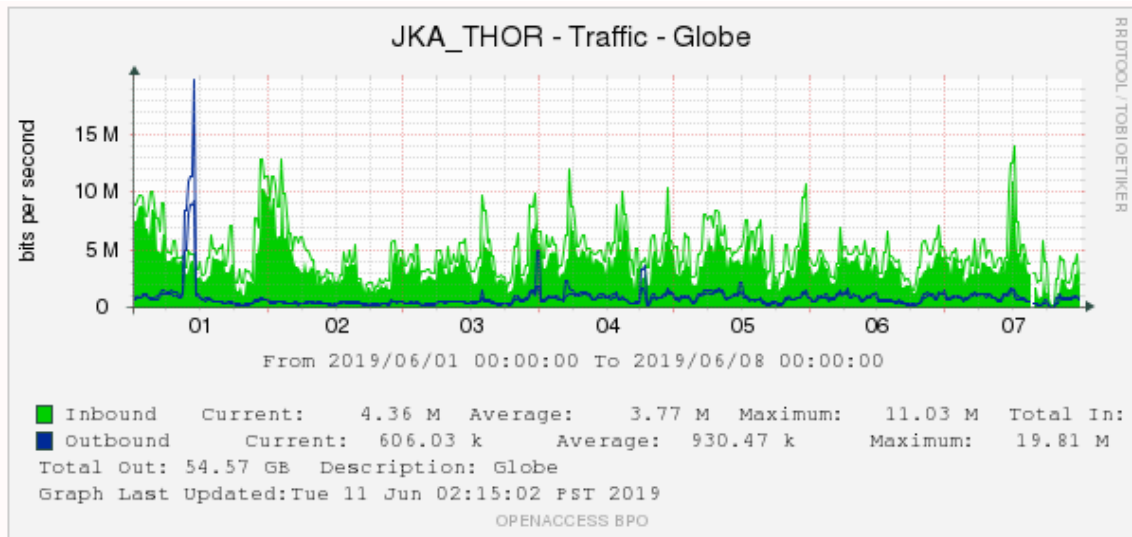
1.3 Internet: PLDT (30Mbps)
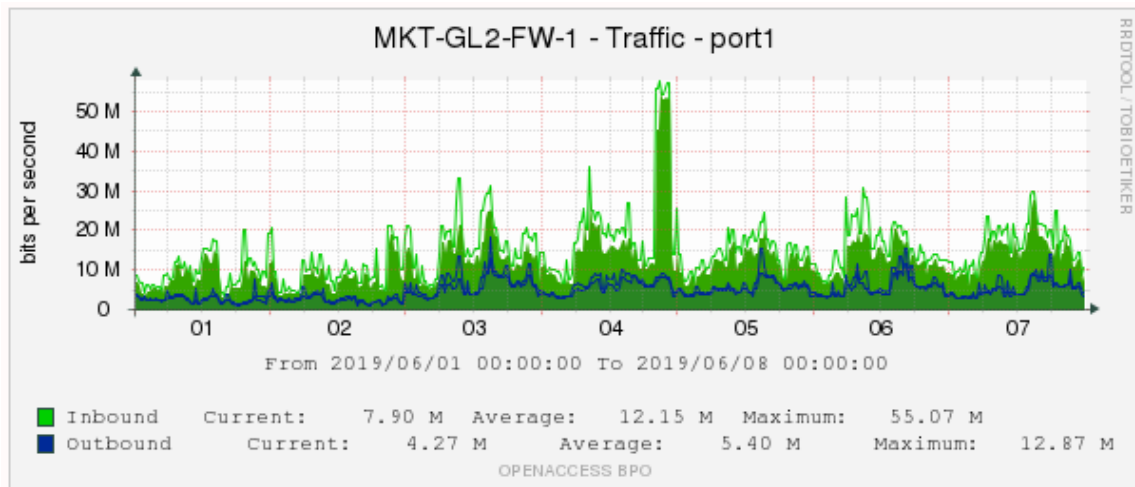
1.4 Local Loop: Metro E (60Mbps)
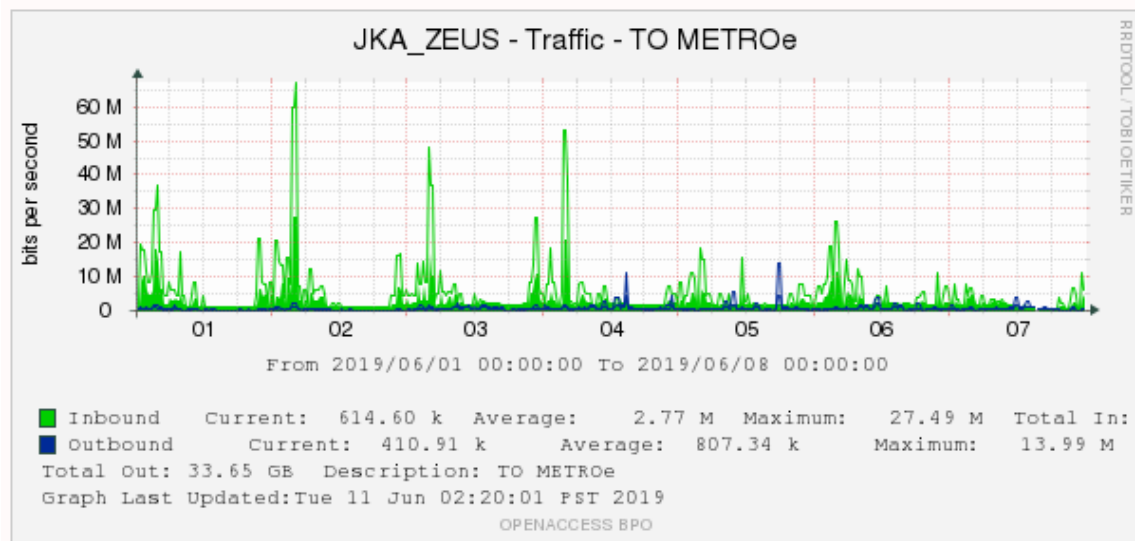
1.5 Internet: Eastern-HRC(16Mbps)

HRC-FREYA - Traffic - Eastern

From 2019/06/01 00:00:00 To 2019/06/08 00:00:00

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Inbound    Current:    285.11 k   Average:      1.92 M   Maximum:     12.38 M   Total In:
Outbound   Current:     60.06 k   Average:    436.49 k   Maximum:     15.98 M
Total Out: 23.01 GB   Description: Eastern
Graph Last Updated:Tue 11 Jun 02:20:01 PST 2019
                    OPENACCESS BPO
```
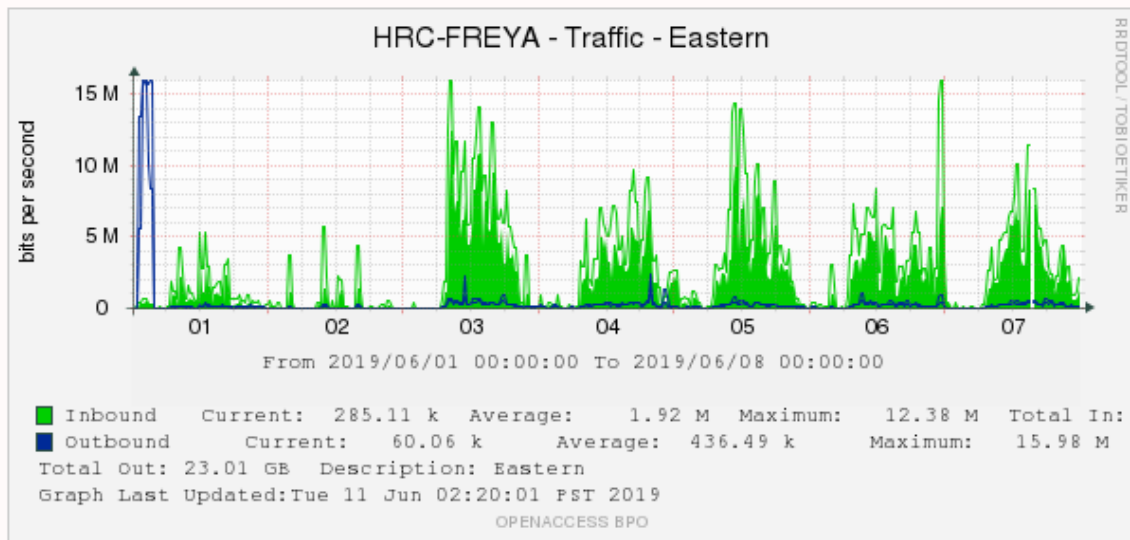
1.6 Internet: Radius-HRC(12Mbps)
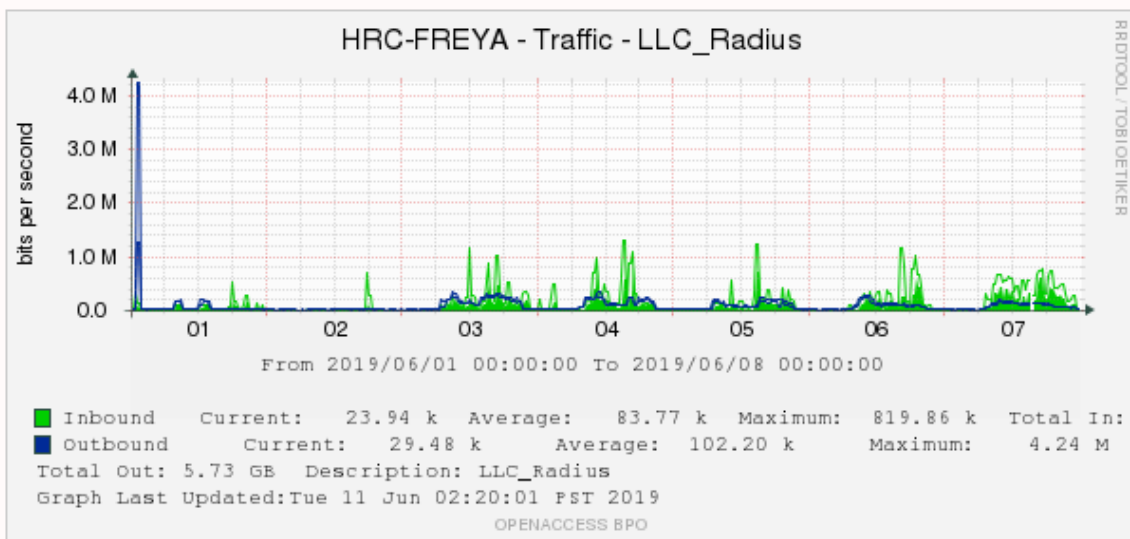
HRC-FREYA - Traffic - LLC_Radius

From 2019/06/01 00:00:00 To 2019/06/08 00:00:00

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Inbound    Current:     23.94 k   Average:     83.77 k   Maximum:    819.86 k   Total In:
Outbound   Current:     29.48 k   Average:    102.20 k   Maximum:      4.24 M
Total Out: 5.73 GB   Description: LLC_Radius
Graph Last Updated:Tue 11 Jun 02:20:01 PST 2019
                    OPENACCESS BPO
```

1.7 US Colo MRTG (10mbps)
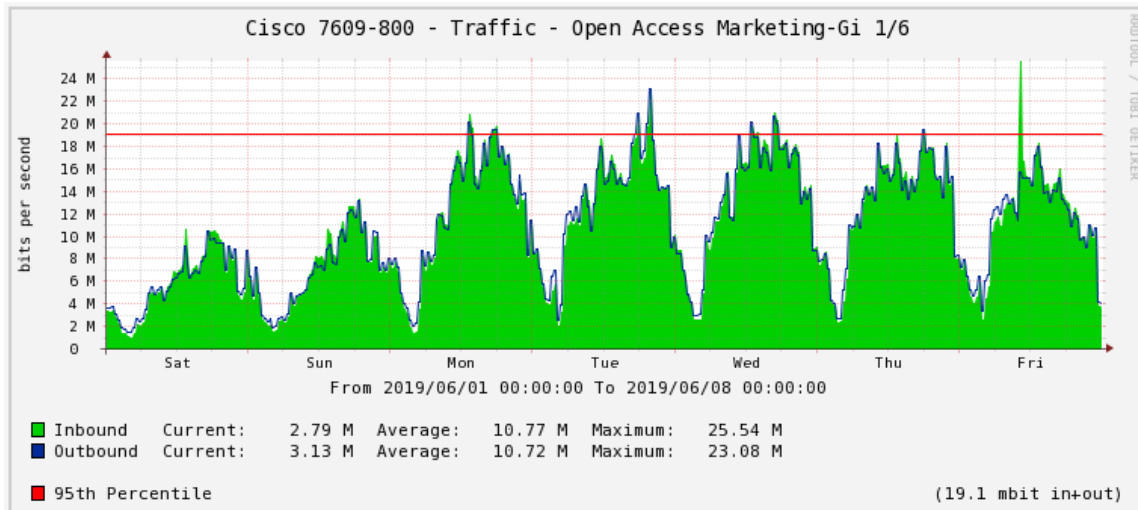
2.0 BANDWIDTH UTILIZATION REPORT

Utilization	Related Ticket	Affected Campaign	Duration (hours)

3.0 ANALYSIS AND RECOMMENDATIONS

No major downtime recorded. But there are campaigns reported that the internet is slow. Upon checking, the issue is not on our side but with the clients.

| Maximum Inbound Utilization		
	Previous week	Current week
Eastern HO (100Mbps)	56.44MB	56.26MB
Globe (30Mbps)	10.33MB	11.03MB
PLDT (100Mbps)	43.76MB	55.07MB
Eastern HRC (16Mbps)	7.66MB	12.38MB
Radius Local Loop (12Mbps)	613KB	8.19KB
US Colo (10Mbps)	24.32MB	25.54MB

All spikes/clippings on ISP were checked and no one was abusing the usage of internet. Also, monitored stations were all doing business related tasks.

Here are the common logs from week 23.

Top common logs
Applications / Destinations
HTTP Browser
Google Services

| **Amazon AWS** |
| **Facebook.Play** |
| **USCOLO Servers** |
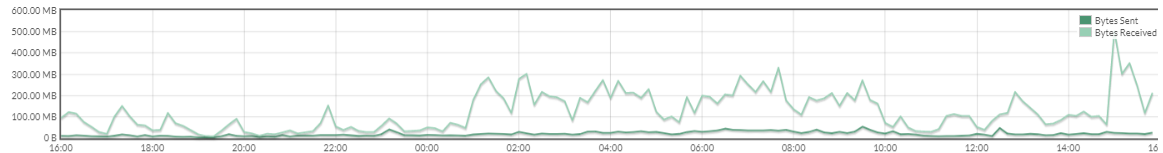
Application	Category	Risk	Bytes ▼	Sessions ▼
HTTPS.BROWSER	Web.Client		6.74 GB	85,360
Amazon.AWS	Cloud.IT		6.08 GB	13,159
Facebook	Social.Media		2.85 GB	23,447
Google.Services	General.Interest		1.21 GB	11,859
MS.Windows.Update	Update		736.17 MB	252,504
Google.Play	General.Interest		571.28 MB	574,737
Skype	Collaboration		484.94 MB	6,089
Microsoft.Authentication	Collaboration		341.04 MB	49,717
QUIC	Network.Service		339.25 MB	44,579
Gmail	Email		337.10 MB	242
Skype.Portals	Collaboration		334.43 MB	14,394
Microsoft.Portal	Collaboration		276.57 MB	12,801
HTTP.BROWSER	Web.Client		149.59 MB	3,079
Google.Accounts	General.Interest		121.78 MB	431
Spotify	Video/Audio		115.18 MB	2,128

Application	Category	Risk	Bytes (Sent/Received) ⇕	Sessions ⇕	Bandwidth ⇕
SIP	VoIP		199.78 MB	1	2 kbps
Facebook	Social.Media		12.43 MB	2	704 bps
Skype	Collaboration		4.71 MB	3	1 kbps
Gmail	Email		542.61 kB	4	4 kbps
TCP/443	Unknown		397.14 kB	1	0 bps
Dropbox	Storage.Backup		316.84 kB	2	1 kbps
HTTP.BROWSER	Web.Client		167.64 kB	3	944 bps
Microsoft.Portal	Collaboration		123.90 kB	5	0 bps
QUIC	Network.Service		72.34 kB	18	3 kbps
SNMP_V1	Network.Service		27.30 kB	6	0 bps
DNS	Network.Service		17.80 kB	89	4 kbps
Google.Push.Notification	General.Interest		17.07 kB	3	0 bps
Teredo	Network.Service		2.43 kB	1	0 bps
Google.Play	General.Interest		784 B	7	432 bps
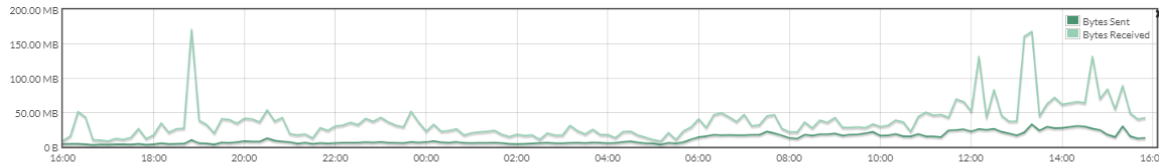
Application	Category	Risk	Bytes ▼	Sessions ▼
Google.Services	📁 General.Interest		2.50 GB	20,393
Quora	📁 Social.Media		1.04 GB	26,412
Spotify	📁 Video/Audio		699.13 MB	2,407
HTTPS.BROWSER	📁 Web.Client		669.89 MB	12,898
Google.Play	📁 General.Interest		601.40 MB	120,570
YouTube	📁 Video/Audio		266.89 MB	5,658
Amazon.CloudFront	📁 Cloud.IT		235.72 MB	33
Microsoft.Outlook.Office.365	📁 Email		186.56 MB	2,380
Skype	📁 Collaboration		134.29 MB	543
Slack	📁 Collaboration		119.57 MB	292
HTTP.BROWSER	📁 Web.Client		88.30 MB	2,270
Microsoft.Portal	📁 Collaboration		81.13 MB	4,028
Gmail	📁 Email		59.20 MB	52