Report

Bandwidth Utilization

Reference No	:	R-NOC-5.2
Version No	:	01
Week No	:	29

Prepared by:

Position / Title	Name	Signature	Date
Senior Network Support Engineer	Maurice Mendoza		07/20/2019

1.0 UPTIME GRAPHS

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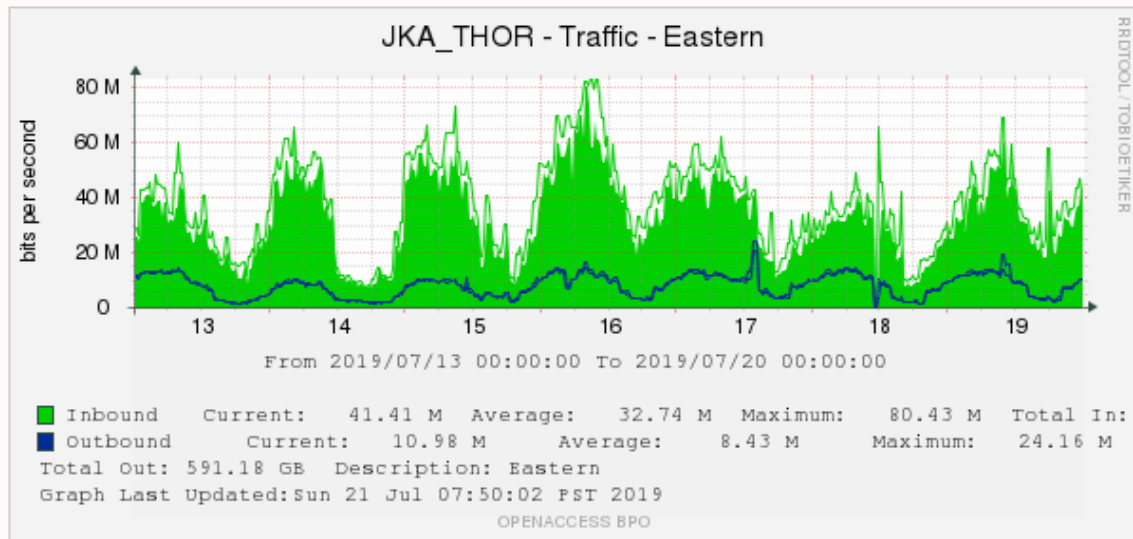
1.2 Internet: Globe (30Mbps)
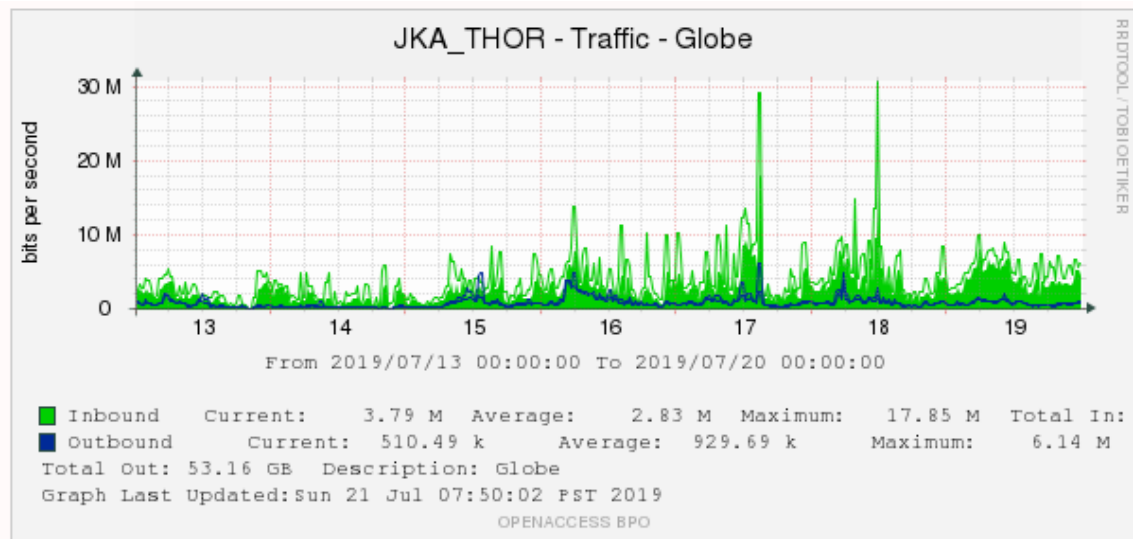
1.3 Internet: PLDT (30Mbps)
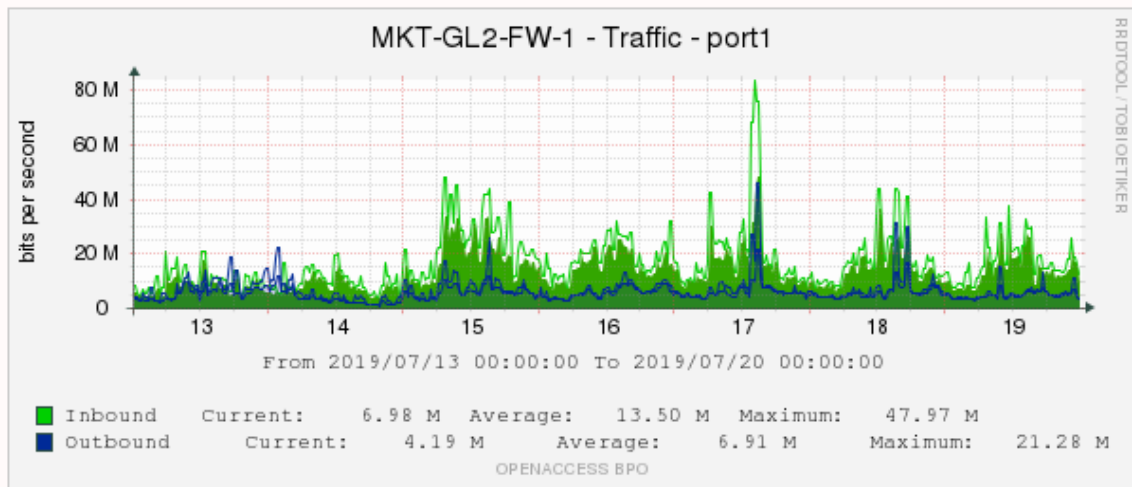
1.4 Local Loop: Metro E (60Mbps)
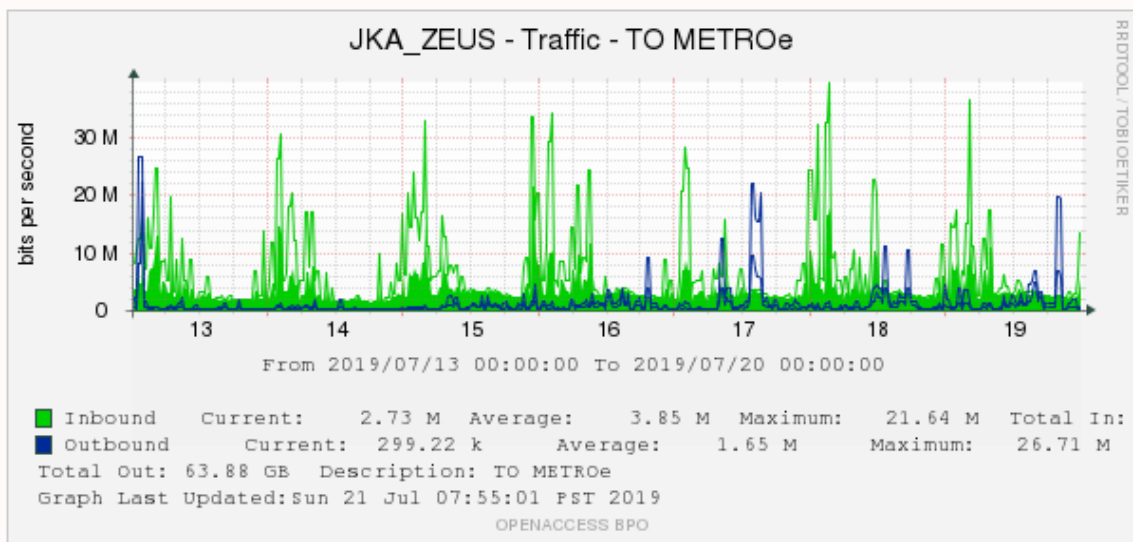
1.5 Internet: Eastern-HRC(16Mbps)

HRC-FREYA - Traffic - Eastern

From 2019/07/13 00:00:00 To 2019/07/20 00:00:00

Inbound   Current: 155.14 k   Average: 2.18 M   Maximum: 11.83 M   Total In:
Outbound   Current: 15.66 M   Average: 400.74 k   Maximum: 15.99 M
Total Out: 21.54 GB   Description: Eastern
Graph Last Updated:Sun 21 Jul 07:55:01 PST 2019
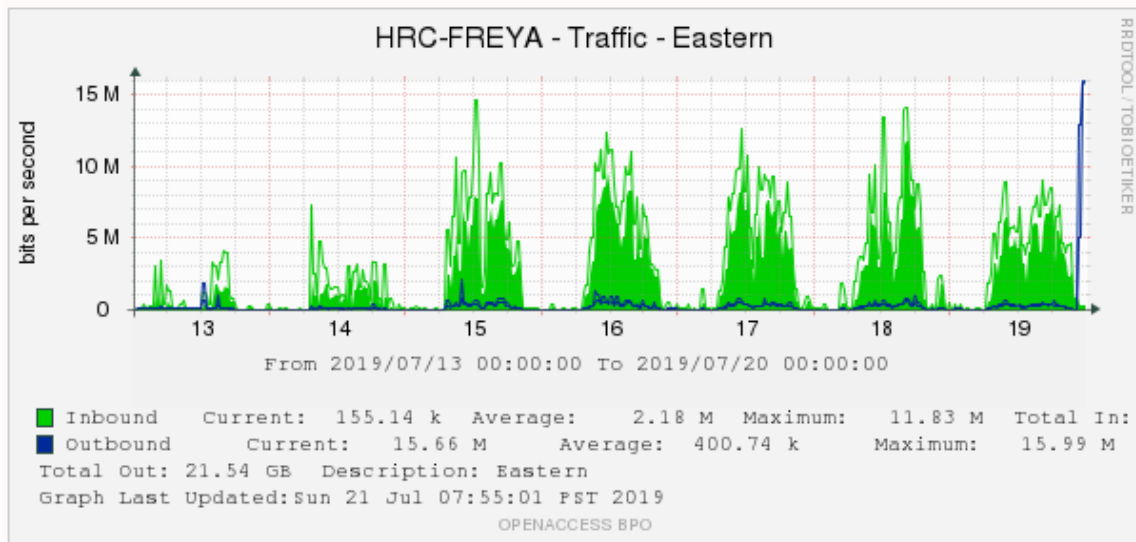
1.6 Internet: Radius-HRC(12Mbps)
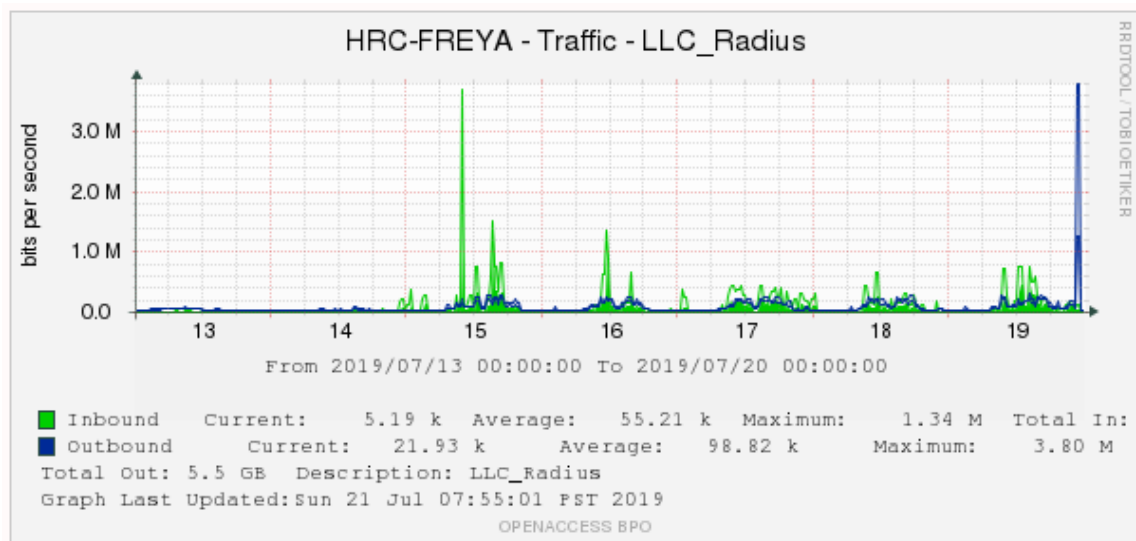
HRC-FREYA - Traffic - LLC_Radius

From 2019/07/13 00:00:00 To 2019/07/20 00:00:00

Inbound   Current: 5.19 k   Average: 55.21 k   Maximum: 1.34 M   Total In:
Outbound   Current: 21.93 k   Average: 98.82 k   Maximum: 3.80 M
Total Out: 5.5 GB   Description: LLC_Radius
Graph Last Updated:Sun 21 Jul 07:55:01 PST 2019

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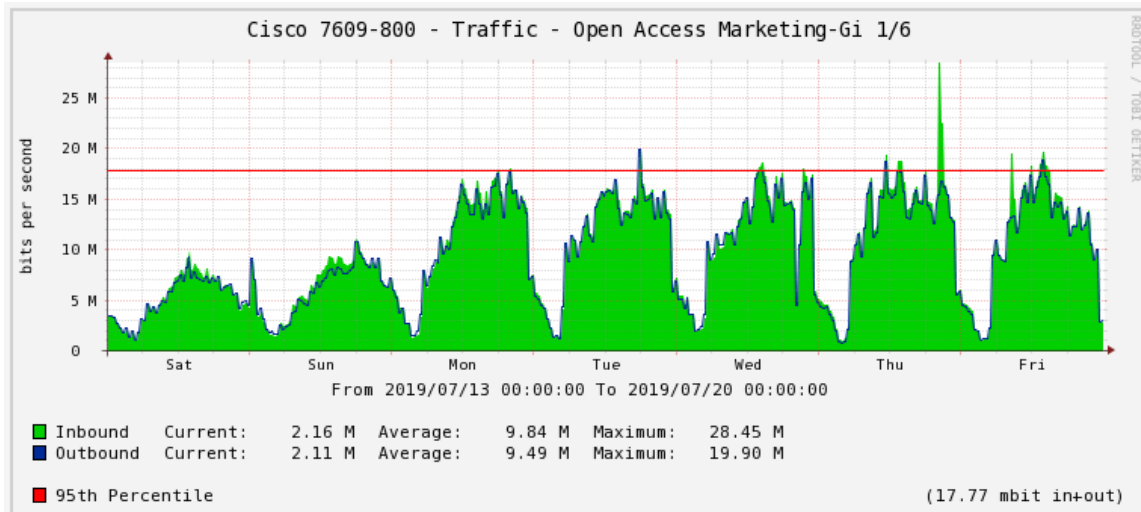
2.0 BANDWIDTH UTILIZATION REPORT

Utilization	Related Ticket	Affected Campaign	Duration (hours)
N/A			

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)	63.51MB	80.43MB
Globe (30Mbps)	11.17MB	17.85MB
PLDT (100Mbps)	35.53MB	47.97MB
Eastern HRC (16Mbps)	10.81MB	11.83MB
Radius Local Loop (12Mbps)	1.22MB	1.34MB
US Colo (10Mbps)	23.45MB	28.45MB

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 29.

Top common logs
Applications / Destinations
HTTP.Browser
Google Services

Google Accounts
Microsoft Portal

Application	Category	Risk	Bytes ▾	Sessions ▾
HTTPS.BROWSER	Web.Client		7.38 GB	291,317
Google.Services	General.Interest		4.72 GB	64,479
Microsoft.Portal	Collaboration		3.59 GB	404,998
Google.Accounts	General.Interest		1.46 GB	29,288
Microsoft.CDN	Collaboration		1.08 GB	258,571
Microsoft.Authentication	Collaboration		541.69 MB	67,066
Gmail	Email		439.96 MB	691
Microsoft.Teams	Collaboration		413.99 MB	9,725
Microsoft.Store	General.Interest		288.80 MB	52,100
Microsoft.SharePoint	Collaboration		278.09 MB	1,517
Microsoft.Office.365.Portal	Collaboration		234.41 MB	1,458
Centrify	Business		47.65 MB	1,029
Slack	Collaboration		46.59 MB	67
Skype	Collaboration		45.05 MB	5,706
Skype.Portals	Collaboration		38.91 MB	6,846

Application	Category	Risk	Bytes ▾	Sessions ▾
Google.Services	General.Interest		2.74 GB	27,475
Quora	Social.Media		2.01 GB	18,988
HTTPS.BROWSER	Web.Client		825.23 MB	40,042
Google.Play	General.Interest		359.85 MB	38,903
YouTube	Video/Audio		306.64 MB	17,554
Microsoft.Portal	Collaboration		243.85 MB	3,164
Microsoft.Outlook.Office.365	Email		226.50 MB	1,857
Microsoft.SharePoint	Collaboration		199.59 MB	413
Gmail	Email		126.48 MB	749
Spotify	Video/Audio		108.04 MB	2,066
Dropbox	Storage.Backup		105.59 MB	802
Microsoft.Outlook	Email		90.08 MB	1,193
Skype	Collaboration		86.81 MB	888
Google.Accounts	General.Interest		62.74 MB	618
MS.Windows.Update	Update		58.31 MB	62,261

Destination	Destination Interface	Application	Bytes (Sent/Received) ▾	Sessions ▾	Bandwidth
10.1.0.250	internal5 (LLC_Radius)	UDP/5060	1.00 GB	6	2 kbps
172.17.0.250	internal5 (LLC_Radius)	SIP	627.40 MB	1	1 kbps
edge-star-shv-02-hkg3.facebook.com (157.240.15.16)	wan1 (Eastern)	Facebook	22.68 MB	4	1 kbps
40.91.74.57	wan1 (Eastern)	Skype	6.47 MB	2	2 kbps
sa-in-f188.1e100.net (74.125.200.188)	wan1 (Eastern)	Google.Push.Notification	5.26 MB	1	208 bps
52.229.174.94	wan1 (Eastern)	Skype	2.72 MB	1	568 bps
192.168.0.3	internal5 (LLC_Radius)	SNMP_V1	2.49 MB	9	32 bps
ec2-52-77-140-149.ap-southeast-1.compute.amazonaws.com (52.77.140.149)	wan1 (Eastern)	TCP/445	1.84 MB	1	0 bps
52.139.250.253	wan1 (Eastern)	Microsoft.Portal, TCP/443	1.54 MB	8	40 bps
67.226.211.134	wan1 (Eastern)	HTTPS.BROWSER	1.09 MB	1	0 bps
edge-star-shv-01-sin2.facebook.com (157.240.24.20)	wan1 (Eastern)	Facebook	906.53 kB	1	280 bps
162.125.34.129	wan1 (Eastern)	Dropbox	840.23 kB	6	3 kbps
13.94.40.40	wan1 (Eastern)	Skype	733.14 kB	3	96 bps
65.52.0.204	wan1 (Eastern)	Skype	470.31 kB	1	240 bps
fra02-002.ff.avast.com (77.234.45.60)	wan1 (Eastern)	HTTP.BROWSER	464.30 kB	1	176 bps
tsa03s02-in-f5.1e100.net (172.217.27.133)	wan1 (Eastern)	Gmail	360.87 kB	1	872 bps
102.241.199.104.bc.googleusercontent.com (104.199.241.102)	wan1 (Eastern)	Spotify	305.83 kB	1	2 kbps
53.224.186.35.bc.googleusercontent.com (35.186.224.53)	wan1 (Eastern)	Spotify	260.52 kB	1	5 kbps
hkg12s11-in-f14.1e100.net (216.58.200.14)	wan1 (Eastern)	Google.Docs	133.77 kB	1	304 bps
sc-in-f83.1e100.net (74.125.68.83)	wan1 (Eastern)	Gmail	77.04 kB	1	248 bps
172.17.0.1	internal5 (LLC_Radius)	SMB.v1	69.16 kB	1	0 bps
sc-in-f17.1e100.net (74.125.68.17)	wan1 (Eastern)	Gmail	47.20 kB	1	224 bps
hkg07s30-in-f5.1e100.net (216.58.200.69)	wan1 (Eastern)	Gmail	30.56 kB	1	160 bps
131.241.199.104.bc.googleusercontent.com (104.199.241.131)	wan1 (Eastern)	Spotify	19.59 kB	1	1 kbps

Destination	Application	Bytes ▼	Sessions ▼
• unknown.telstraglobal.net (210.57.57.133)		12.47 GB	321
🇺🇸 208.74.77.165.uscolo.com (208.74.77.165) ⌕		12.13 GB	45,745
🇨🇳 61.14.30.153		11.37 GB	291
🇺🇸 216.117.28.85		5.28 GB	16
🇵🇭 121.97.58.146		3.22 GB	6
🇭🇰 edge-video-shv-01-hkg3.fbcdn.net (31.13.95.14)	Facebook_Video.Play	3.06 GB	1,073
🇭🇰 hkhkg3-vip-bx-008.aaplimg.com (17.253.87.208)	Apple.Services Apple.iPhone	2.91 GB	113
🇭🇰 hkhkg3-vip-bx-006.aaplimg.com (17.253.87.206)	Apple.Services	2.88 GB	126
🇦🇺 ip-79-146-161-203.static.pipenetworks.com (203.161.146.79)	HTTPS.BROWSER	2.34 GB	270
• 162.125.80.4	Dropbox	2.29 GB	79
🇭🇰 xx-fbcdn-shv-01-hkg3.fbcdn.net (31.13.95.12)	Facebook	2.05 GB	6,477	0% 100

Application	Category	Risk	Bytes ▼	Sessions ▼
HTTPS.BROWSER	Web.Client		10.01 GB	314,136
Microsoft.Portal	Collaboration		6.51 GB	327,835
Google.Services	General.Interest		5.56 GB	75,564
Microsoft.Office.365.Portal	Collaboration		2.48 GB	9,159
Microsoft.Teams	Collaboration		2.09 GB	25,740
Google.Accounts	General.Interest		1.74 GB	28,341
Microsoft.Authentication	Collaboration		1.39 GB	88,302
Microsoft.Store	General.Interest		649.76 MB	115,962
Gmail	Email		589.30 MB	1,915
Microsoft.CDN	Collaboration		460.41 MB	109,979
Centrify	Business		429.87 MB	4,048
Microsoft.SharePoint	Collaboration		413.99 MB	6,118
Slack	Collaboration		286.12 MB	773
Google.Docs	Collaboration		276.67 MB	347	0% 69