Report

Hardware Utilization

Reference No	:	R-NOC-5.3
Version No	:	01
Week No	:	28

Prepared by:

Position / Title	Name	Signature	Date
Senior Network Support Engineer	Maurice Mendoza		07/14/2019

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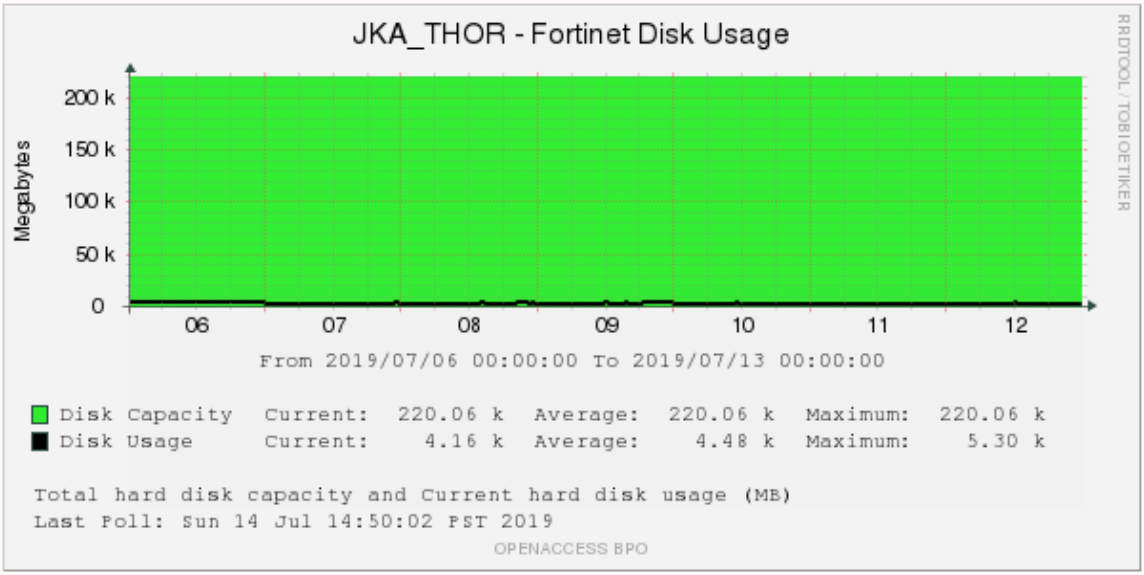
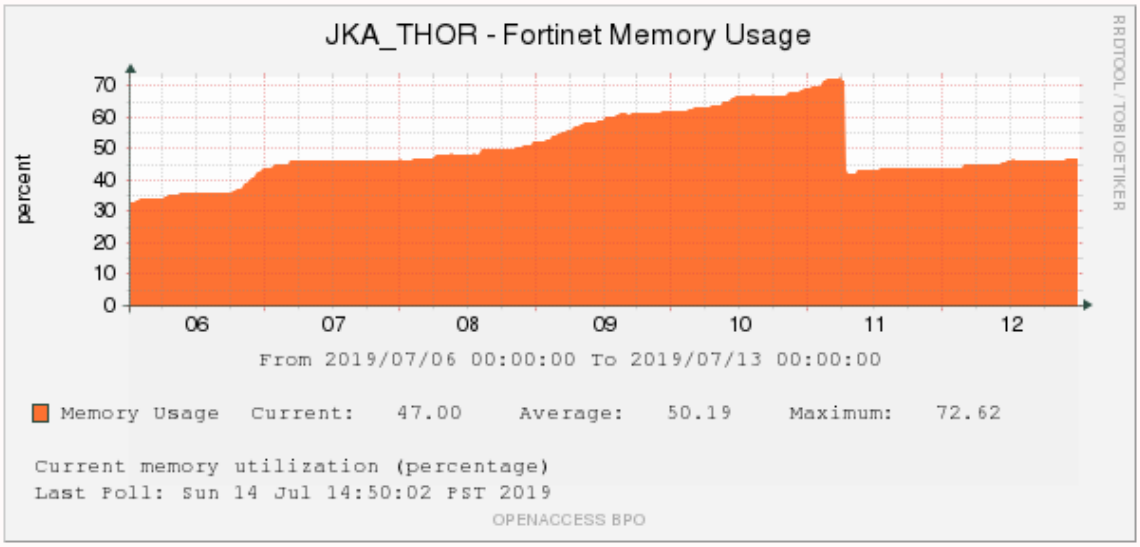
1.0 UTILIZATION GRAPHS (FIREWALL)

1.1 THOR

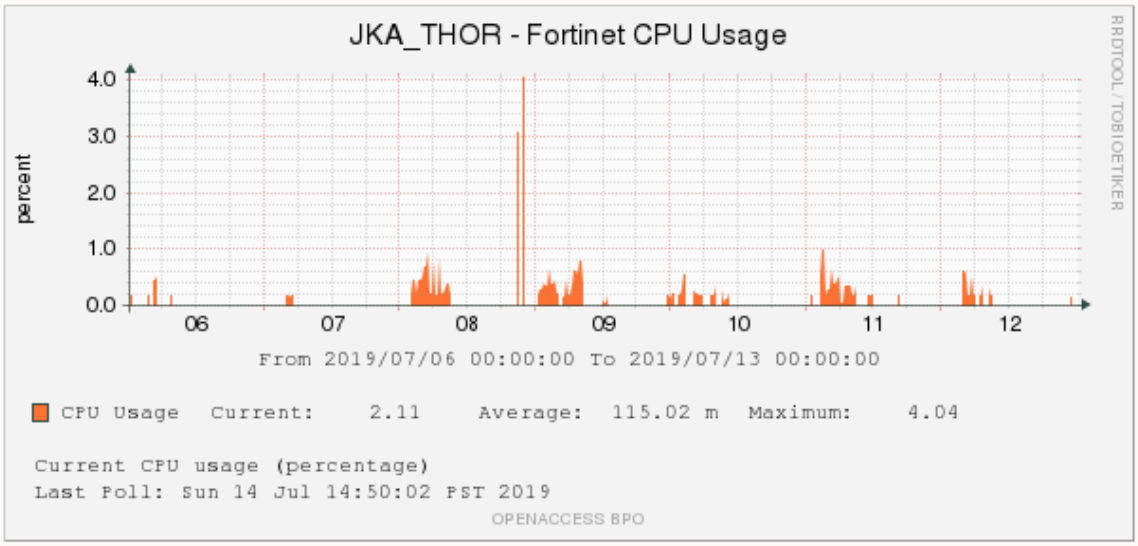
Disk:



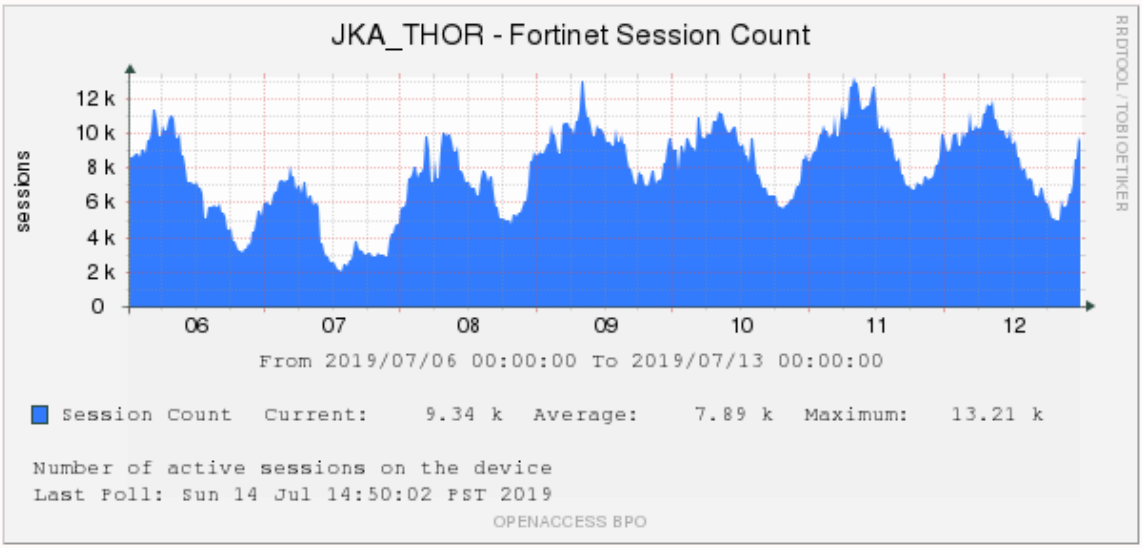
RAM: 8 GB



CPU: 4-Core



Sessions:

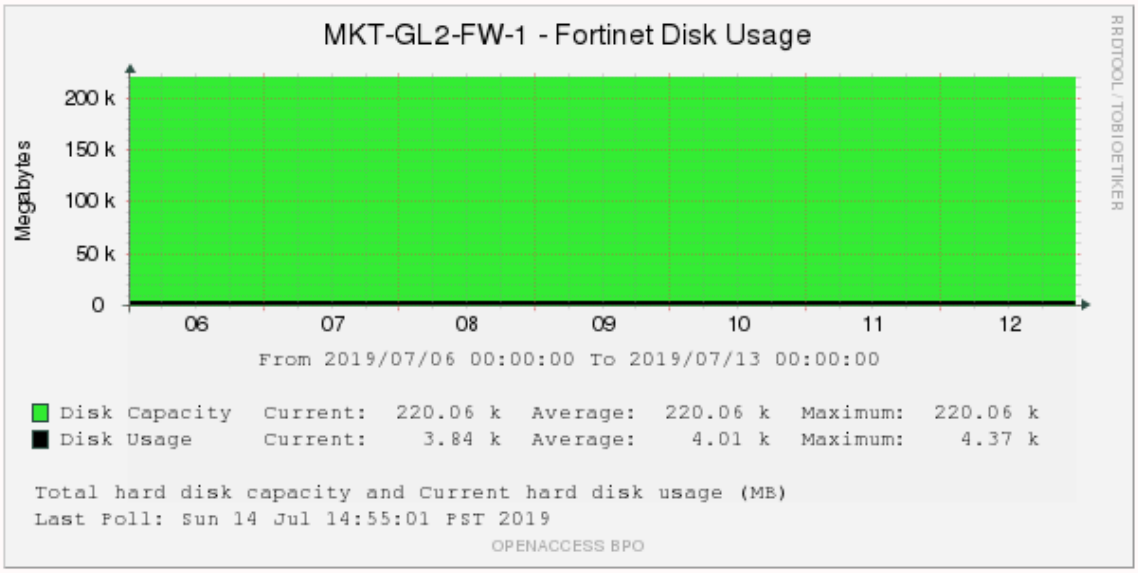


License Information:

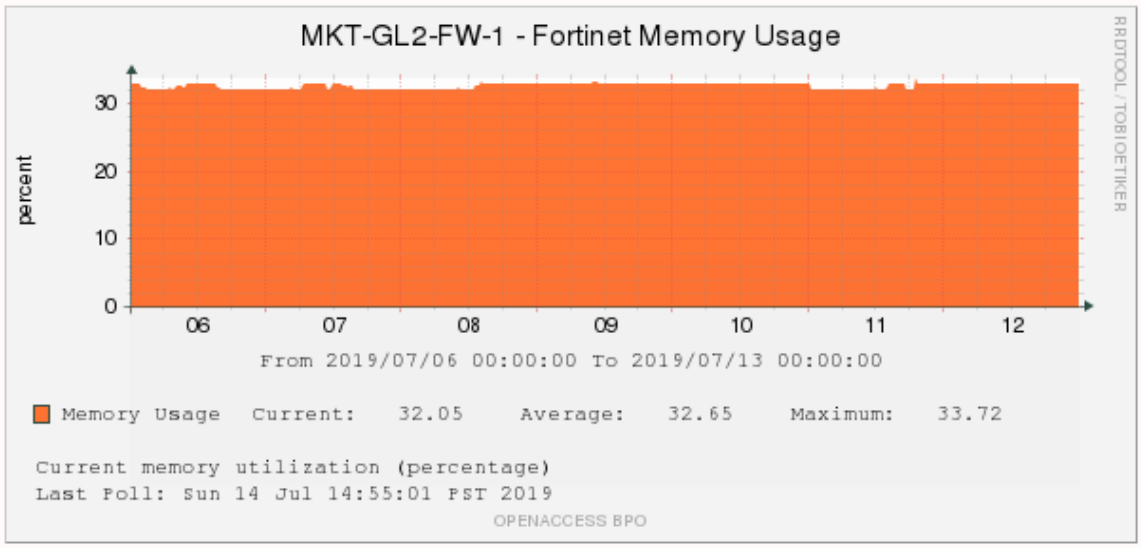
Entitlement	Status	
FortiCare Support	Registered - itgroup@openaccessmarketing.com	Launch Portal
Hardware Version	Advanced hardware - expires on 2020/02/11	
Enhanced Support	24x7 support - expires on 2020/02/11	
Firmware & General Updates	Licensed - expires on 2020/02/11	
Application Control Signatures	Version 14.00647	Upgrade Database
Device & OS Identification	Version 1.00079	
Internet Service Database Definitions	Version 5.00618	
Intrusion Prevention	Licensed - expires on 2020/02/11	
IPS Definitions	Version 14.00647	Upgrade Database
IPS Engine	Version 4.00029	
Malicious URLs	Version 2.00355	
AntiVirus	Licensed - expires on 2020/02/11	
AV Definitions	Version 69.00924	Upgrade Database
AV Engine	Version 6.00019	
Botnet IPs	Version 4.00515	View List

1.2 MKT-GL2-FW-1

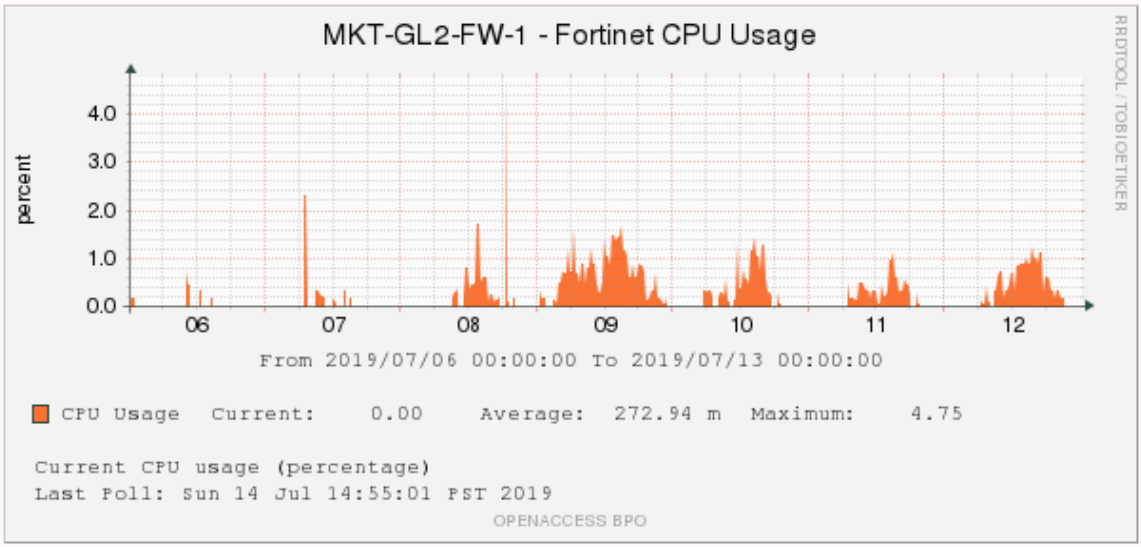
Disk:



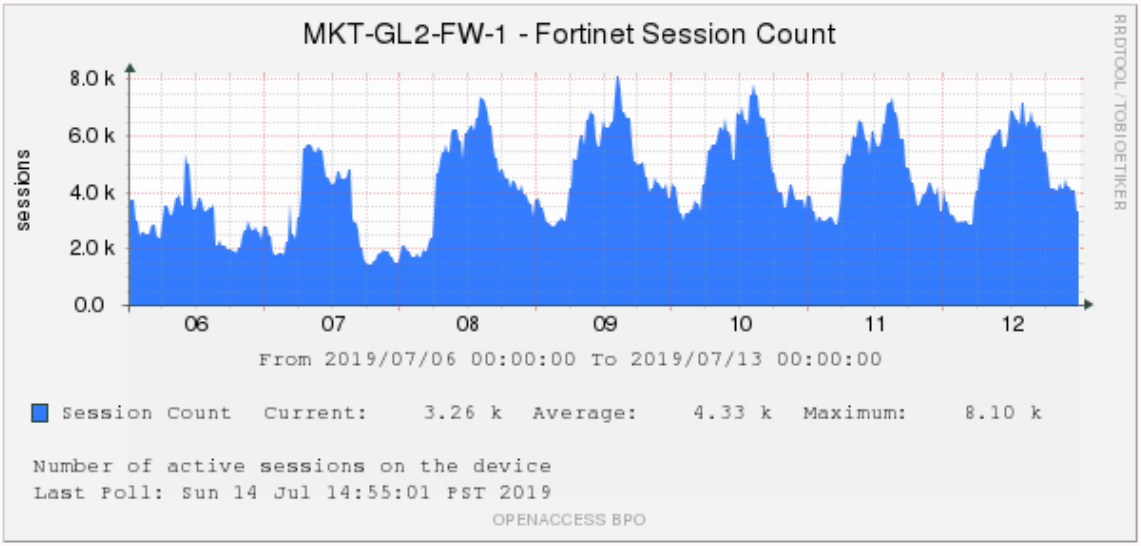
RAM: 8 GB



CPU: 4-Core



Sessions:

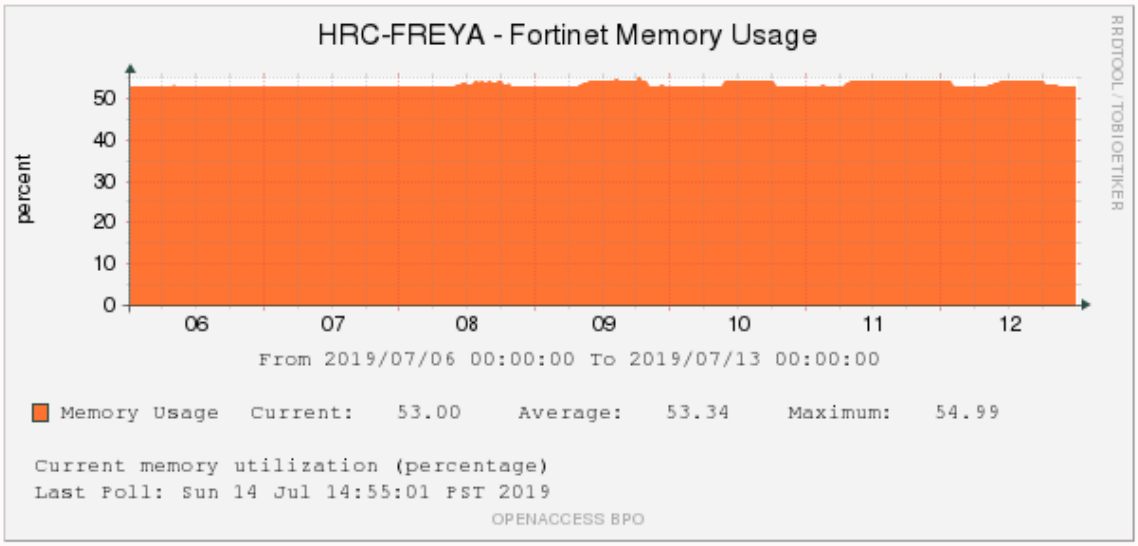


License Information:

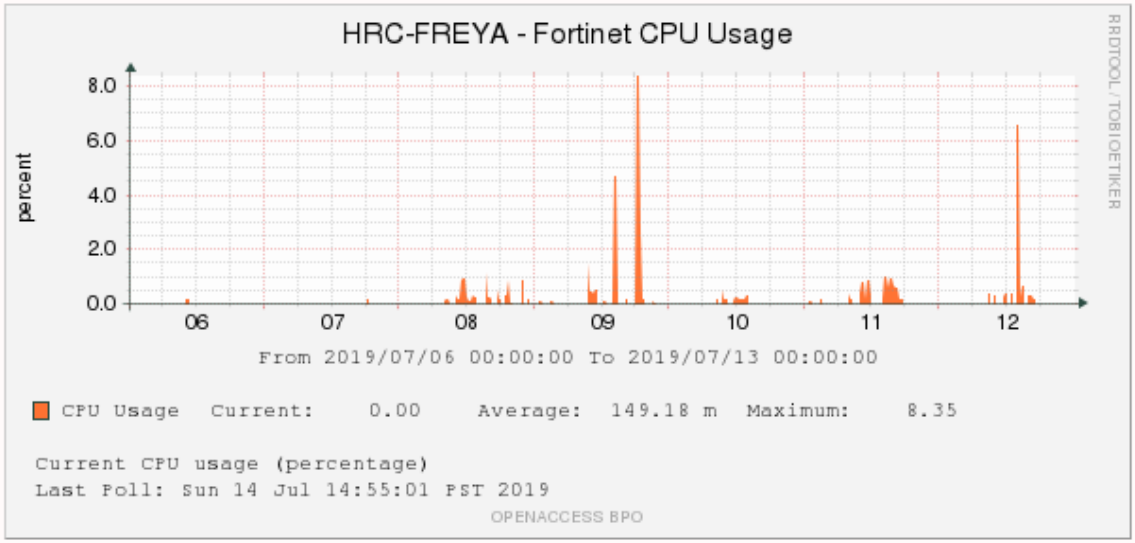
Entitlement	Status	
FortiCare Support	Registered - itgroup@openaccessmarketing.com	Launch Portal
Hardware Version	Advanced hardware - expires on 2020/04/23	
Enhanced Support	24x7 support - expires on 2020/04/23	
Firmware & General Updates	Licensed - expires on 2020/04/23	
Application Control Signatures	Version 14.00644	Upgrade Database
Device & OS Identification	Version 1.00079	
Internet Service Database Definitions	Version 5.00615	
Intrusion Prevention	Licensed - expires on 2020/04/23	
IPS Definitions	Version 14.00644	Upgrade Database
IPS Engine	Version 4.00029	
Malicious URLs	Version 2.00348	
AntiVirus	Licensed - expires on 2020/04/23	
AV Definitions	Version 69.00762	Upgrade Database
AV Engine	Version 6.00019	
Botnet IPs	Version 4.00515	View List
Botnet Domains	Version 2.00279	View List
Mobile Malware	Version 69.00762	

1.3 FREYA

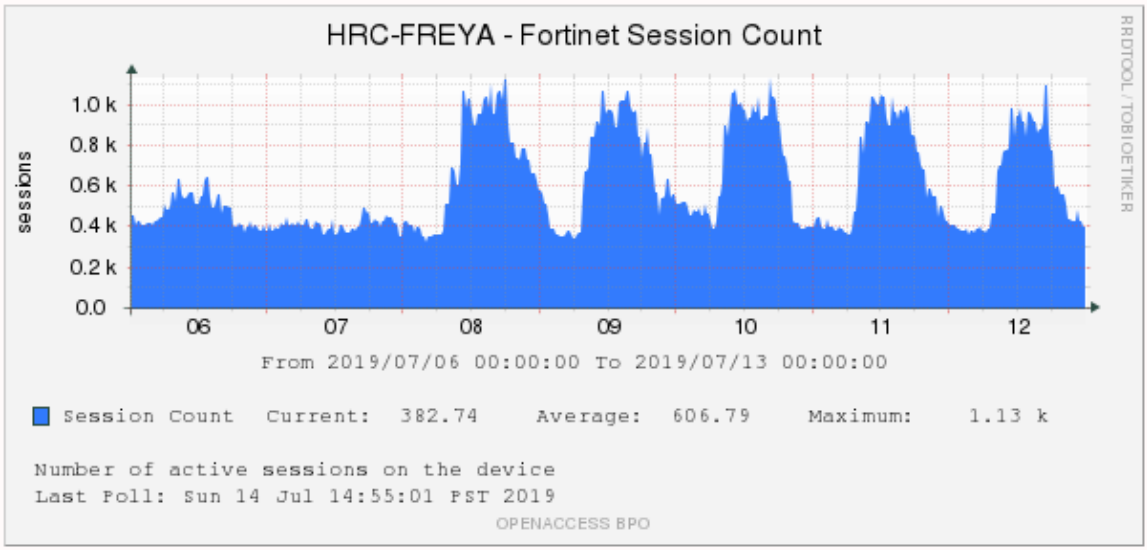
RAM: 2 GB



CPU: 4-Core



Sessions:



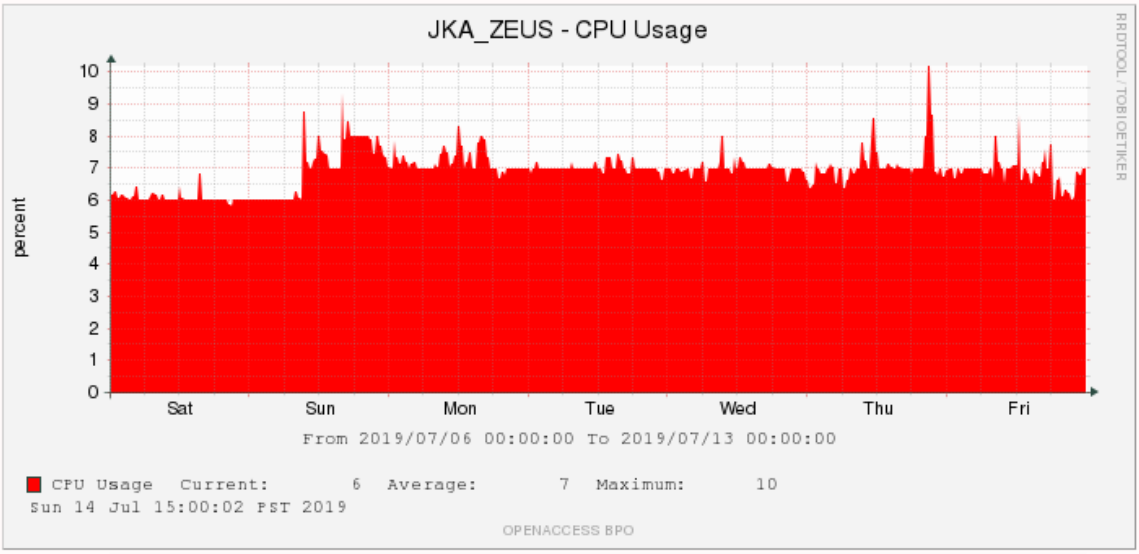
License Information:

Contract	Status	
FortiCare Support	Unavailable	
IPS & Application Control	Licensed (Expires on 2020-04-20)	Upload Package
IPS Definitions	Version 14.00648	
IPS Engine	Version 3.00539	
AntiVirus	Licensed (Expires on 2020-04-20)	Upload Package
AV Definitions	Version 1.00000	
AV Engine	Version 5.00361	
Botnet IPs	Version 4.00515	View List
Botnet Domains	Version 2.00282	View List
Mobile Malware	Unavailable	
Mobile Malware Definitions	Version 69.00949	
Web Filtering	Licensed (Expires on 2020-04-20)	
Anti-Spam Filtering	Licensed (Expires on 2020-04-20)	

2.0 UTILIZATION GRAPHS (CORE SWITCHES)

2.1 ZEUS

CPU Utilization



3.0 ANALYSIS AND RECOMMENDATIONS

All utilizations are still within the threshold based on our monitoring baseline.

FortiGate - JAKA		
	Acceptable	Weekly Utilization
CPU Utilization	not more than 50%	**4.04%**
Memory Utilization	not more than 80%	**72.62%**
Storage Utilization	not more than 90%	**5.30%**

FortiGate - G2		
	Acceptable	Weekly Utilization
CPU Utilization	not more than 50%	**4.75%**
Memory Utilization	not more than 80%	**33.72%**
Storage Utilization	not more than 90%	**4.37%**

FortiGate - HRC		
	Acceptable	Weekly Utilization
CPU Utilization	not more than 50%	**8.35%**
Memory Utilization	not more than 80%	**54.99%**
Storage Utilization	not more than 90%	**-**

The license information for **IPS Definitions**, **AV Definitions** and **Botnet IPs** were updated comparing to the license information sent in last week's report. See changes:

FortiGate - Jaka		
	Previous Version	Current Version
IPS Definitions	14.00641	14.00647
AV Definitions	69.00660	69.00924
Botnet IPs	4.00513	4.00515

Below are the changes in the network for week 28.

Change Management	
Ticket Number	Change
N/A	

No changes for week 28.

July 11, we restarted the process ***wad*** of FortiGate Thor since the memory climbed to 70%. After restarting the process, it fell to 40%. We're still monitoring this and still waiting for FortiGate Support's remote session.

The Web Filtering and Application Control for WV and AVA has been successfully implemented.