



**DEPLOYMENT GUIDE** 

# Using Reporting Appliance for Managed Service Providers

NIOS version 8.3 | July- 2018



## Contents

Overview
Introduction
Using Reporting Appliance
Accessing the MSP Dashboards
Accessing Managed DDI Enabled Features4
Accessing DDI Peak IP Usage Trend
Accessing Managed DNS Peak Usage Trend8
Alerts9
Configuring Email Settings10
Configuring Alerts11
Some useful Information14

### **Overview**

### Introduction

With NIOS 8.3 Infoblox has launched a new type of business model for Managed Service Providers( MSPs).MSPs can leverage this business model by activating *"Flex Grid License for Managed Service Providers"*.

Instead of selling perpetual license and 1Yr subscription products to the MSP, Infoblox (IB) will allow the MSPs to deploy most of the IB DDI features to its end customers through several defined feature bundles. IB will then collect, on a monthly or quarterly basis the used licenses for the past calendar period and bill the MSP accordingly for the use of features across all its end customers.

*"Flex Grid Activation License for Managed Services"* is grid wide license and can only be installed on grid master or standalone appliance. This license will only be applicable to IB-FLEX members in the grid. If *"Flex Grid Activation License for Managed Services"* license is installed, the *"Flex Grid Activation"* license cannot be installed and vice-versa.

*"Flex Grid Activation License for Managed Services"* will be the equivalent of having the following licenses.

- Grid
- DNS
- DHCP
- DNS Traffic Control
- Response Policy Zone
- NXDOMAIN Redirection
- Dual Engine DNS (Only for recursive DNS)
- DNS Cache Acceleration
- Threat Protection (Software Add-on)
- Threat Protection Update
- FireEye
- Threat Analytics
- Security Ecosystem
- Microsoft Management
- Cloud Network Automation (Only applies to IB-FLEX grid master)

### Using Reporting Appliance

In order to support billing for different MSPs, Infoblox has introduced new reporting dashboards and alerts which comes out of the box. MSPs can set alerts for:

- IP address usage count.
- DNS Queries per second usage.
- Features enabled on the grid.

MSPs will have to enable alerts based on billing frequency (monthly or quarterly). Each alert generates an email with an attached CSV report.

This deployment guide contains step by step procedure of configuring various MSP related reports and alerts.

### Accessing the MSP Dashboards

### 1. Login to the Grid and navigate to **Reporting** $\rightarrow$ **Dashboards**.

l	nfoblox 💸	Dash	boards Da	ata Manager	ment S	mart Folder	Reporting	Grid A	dministration						Q Search admin
Арр	p: Infoblox Reportin	ng & Analytics $\sim$							infoblox-	admin	Messages ~	Settings $\sim$	Activity ~ Hel	lp 🗸 🛛 🗐	nd
	lome Dashboard	Dashboards	Reports	Alerts	Search	Pivot	Administration	Reporting I	lelp				Infobl	ox Repo	rting & Analytics
E D	Dashboards are com	ards	le reports or inl	ine searche	S.									C	reate New Dashboard
9	4 Dashboards				All	Yours	This App's	filter							
i	Title 1									Action	s	Owner 0	App <		Sharing ©
>	Administratio	n								Edit ~		nobody	infoble	xc	Арр
>	Audit Log Eve	nts								Edit ~		nobody	infoble	х	App
>	CPU Utilizatio	n Trend								Edit 🗸		nobody	infoble	х	Арр
>	DDNS Update	Rate Trend								Edit ~		nobody	infoble	x	App
>	Detailed RPZ	Violations by S	Subscriber ID							Edit 🗸		nobody	infoble	ж	Арр
>	Device Class	Trend								Edit 🗸		nobody	infoble	х	App
>	Device Compo	onents								Edit ~		nobody	infoble	xc	Арр
>	Device Finger	print Change [	Detected							Edit 🗸		nobody	infoble	х	Арр
>	Device Interfa	ice Inventory								Edit 🗸		nobody	infoble	x	App
>	Device Invent	ory								Edit 🗸		nobody	infoble	х	Арр
>	Device Trend									Edit 🗸		nobody	infoble	ж	Арр
>	DHCP Lease	listory								Edit ~		nobody	infoble	x	App
>	DHCP Messag	ge Rate Trend								Edit 🗸		nobody	infoble	х	Арр
>	DHCP Top Lea	ase Clients								Edit ~		nobody	infoble	x	App
>	DHCPv4 Rang	ge Utilization T	rend							Edit ~		nobody	infoble	ж	Арр
>	DHCPv4 Top	Utilized Netwo	rks							Edit ~		nobody	infoble	эх	App

### 2. In the filter option search for *Managed* Keyword. You will see 3 Managed reports.

		Dashb	oards D	ata Managem	ent Sn	art Folders	Reporting	Grid A	Administration						Q Se	arch admin -
Арр	: Infoblox Reportin	g & Analytics $\vee$							infoblo	admin	Messages	<ul> <li>Settings ~</li> </ul>	Activity ~	Help $\sim$	Find	
He	ome Dashboard	Dashboards	Reports	Alerts	Search	Pivot	Administration	Reporting	Help				Ir	nfoblox F	Reporting &	Analytics
Da	Dashboards are com	ards prised of multiple	reports or in	line searches.											Create New	r Dashboard
8	Dashboards				All	Yours	This App's	Managed			0					
i	Title ^									Action	s	Owner 0		App o		Sharing 0
>	IP Address Inv	ventory								Edit 🗸		nobody		infoblox		Арр
>	IPAMv4 Netwo	ork Usage Stati	stics							Edit 🗸		nobody		infoblox		Арр
>	IPAMv4 Top U	tilized Network	S							Edit 🗸		nobody		infoblox		Арр
>	Managed DDI	Features Enabl	led							Edit 🗸		nobody		infoblox		Арр
>	Managed DDI	Peak IP Usage	Trend							Edit 🗸		nobody		infoblox		Арр
>	Managed DNS	Peak Usage T	rend							Edit 🗸		nobody		infoblox		App
>	Network Inven	ntory								Edit 🗸		nobody		infoblox		Арр
>	Reporting Help	р								Edit 🗸		nobody		infoblox		Арр

Infoblox ships 3 reports out of the box for Managed service providers.

- Managed DDI Enabled Features.
- Managed DDI Peak IP Usage Trend
- Managed DNS peak

### Accessing Managed DDI Enabled Features

This report displays list features which gets enabled because of Flex Grid Activation License for Managed Service Providers.

1. Login to the Grid and navigate to **Reporting→Dashboard.** In the filter option search for *Managed* Keyword.

In	lfoblox 💸	Dashi	boards D	ata Managem	nent Sr	mart Folders	Reporting	Grid	Adminis	tration			Q, s	earch admin
App:	Infoblox Reportir	ng & Analytics ~					infoblox	admin	Messages	$\vee$ Settings $\vee$	Activity ~	Help 🗸	Find	
Ho	me Dashboard	Dashboards	Reports	Alerts	Search	Pivot	Administration	Repo	rting Help			nfoblox F	Reporting &	Analytics
Das	Dashboards are con	ards nprised of multiple	e reports or in	line searches	5.								Create New	/ Dashboard
8 D	ashboards			All Y	ours Th	nis App's	Managed			٢				
i	Title ^							Actions		Owner 0		App 0		Sharing 0
>	IP Address In	ventory						Edit 🗸		nobody		infoblox		Арр
>	IPAMv4 Netw	ork Usage Stat	istics					Edit $\sim$		nobody		infoblox		Арр
>	IPAMv4 Top L	Utilized Network	ks					Edit $\sim$		nobody		infoblox		Арр
>	Managed DDI	Features Enab	led					Edit $\sim$		nobody		infoblox		Арр
>	Managed DDI	Peak IP Usage	Trend					Edit $\sim$		nobody		infoblox		Арр
>	Managed DN	S Peak Usage T	Trend					Edit 🗸		nobody		infoblox		Арр
>	Network Inve	ntory						Edit 🗸		nobody		infoblox		Арр
>	Reporting Hel	lp						Edit 🗸		nobody		infoblox		Арр

2. Click on *"Managed DDI Features Enabled"* report to get the list of enabled features.

	Dashboards	Data Management	Smart Folders	Reporting	Grid	Administration		9	Search	admin	
Managed DDI F System-created dashboard: F	- eatures Please clone befo	Enabled re editing.					Hide Filters Edit ~	More Info 🗸	Ŧ	0	
Time	Me	embers									
Last 30 days	~ ×	E All		Submit							
Feature 0							Enabled 0				
Active Trust Plus							No				
Active Trust Standard							No				
Authoritative DNS							No				
Captive Portal							No				
Cloud Network Automation	n						No				
DHCP							Yes				
DNS Cache Acceleration							Yes				
DNS Traffic Control							No				
Fireeye							No				
Microsoft Management							No				
Inder Time ontic		on coloct the	fraguana	v of the	data t	م الم ميالمط					

3. Under Time option, you can select the frequency of the data to be pulled.

Vanaged DDI Fea	Itures Enabled clone before editing.	Hide Filters Edit V More Info V
ime	Members	
Last 30 days	✓ XAII Submit	
> Presets		
∽ Relative		Enabled ≎
Earliest:	Latest:	No
30 Days Ago 🗸	now Apply	No
No Snap-to	<ul> <li>Beginning of today</li> </ul>	No
<ul> <li>Beginning of day</li> </ul>		No
		No
		No
> Real-time		Yes
> Date Range		No
> Date & Time Pance		No
		No
> Advanced		« prev 1 2 next »

#### 4. Cancel out the All option from the member tab

	boards Data Managemen	nt Smart Folders	Reporting	Grid Administration	Q Search admin
App: Infoblox Reporting & Analytics $\vee$			infoblox-admin	Messages 🗸 🦳 Settings	s 🗸 Activity 🗸 Help 🗸 Find
Home Dashboard Dashboards	Reports Alerts	Search Pivot	Administration	Reporting Help	Infoblox Reporting & Analytics
Managed DDI Feat	ures Enabled Ione before editing.				Hide Filters Edit V More Info V
Time	Members				
Last 30 days	× All		Submit		
Feature 0					Enabled 0
Active Trust Plus					No
Active Trust Standard					No
Authoritative DNS					No
Captive Portal					No
Cloud Network Automation					No
DHCP					No
DNS Cache Acceleration					No
DNS Traffic Control					No
Microsoft Management					No
Security Ecosystem					No

5. Post canceling, click in white box to get the list of all members which have inherited the MSP license.

Infoblox 💸	Dashboard	s Data Management	Smart Folders	Reporting	Grid	Administration		_		Q Sea	rch a	admin
Managed DDI System-created dashboard:	Feature Please clone b	s Enabled efore editing.					Hide Filters	Edit 🗸	More Info	•	Ŧ	•
Time		Members										
Last 30 days	~			Submit								
		All										
		ha_member.infoblox.com										
Feature 0		ib_flex_16_20.member.in	foblox.com			Enabled 0						
Recursive DNS		ib_flex_4_12_member.inf	oblox.com			Yes						
Security Ecosystem		ib_flex_openstack.infoble	x.com			No						
Subscriber Services						No						
Threat Analytics						Yes						
Threat Protection						Yes						
									« prev	1 2	next	»

### Accessing DDI Peak IP Usage Trend

This report enables MSPs to view the five-day average for total peak DNS QPS calculated for all IB-FLEX members in the grid. The Peak DNS QPS is calculated as maximum per day of average QPS calculated for 10-minute intervals.

1. Click on "Managed DDI Peak IP Usage Trend" to get this report details.

Infoblox 💸	Dashboard	ds Data Managemen	t Smart Folders	Reporting	Grid	Administration			Q Search	admin 🗣
App: Infoblox Reportin	ng & Analytics ~			infoblox	-admin	Messages 🗸 Settin	gs 🗸 🛛 Activity	✓ Help ✓	Find	
Home Dashboard	Dashboards F	Reports Alerts S	Search Pivot	Administration	Repo	orting Help		Infoblox	Reporting & Ana	lytics
Dashboards are com	ards aprised of multiple rep	orts or inline searches.							Create New Dash	board
8 Dashboards		All You	rs This App's	managed		(	3			
<i>i</i> Title ^					Actions	Owner 0		App 🗘	Shari	ing 🗘
> IP Address In	ventory				Edit $\sim$	nobody		infoblox	Арр	
> IPAMv4 Netw	ork Usage Statistic	S			Edit $\sim$	nobody		infoblox	Арр	
> IPAMv4 Top L	Jtilized Networks				Edit $\sim$	nobody		infoblox	Арр	
> Managed DDI	Features Enabled				Edit $\sim$	nobody		infoblox	Арр	
> Managed DDI	Peak IP Usage Tre	end			Edit 🗸	nobody		infoblox	Арр	
> Managed DNS	S Peak Usage Tren	d			Edit 🗸	nobody		infoblox	Арр	
> Network Inver	ntory				Edit ~	nobody		infoblox	Арр	
> Reporting Hel	р				Edit ~	nobody		infoblox	Арр	
	Dashboard	ds Data Managemen	t Smart Folders	Reporting	Grid	Administration			Q Search	admin
App: Infoblox Reportin	ıg & Analytics ∨			infoblox-a	admin	Messages 🗸 🦳 Setting	js ∽ Activity √	∕ Help ∨	Find	
Home Dashboard	Dashboards F	Reports Alerts S	Search Pivot	Administration	Rep	orting Help		Infoblox	Reporting & Ana	alytics
Managed [ System-created dash	DDI Peak IP nboard: Please clone b	9 Usage Tren	d				Hide Filters	Edit 🗸	More Info 🗸	•
Time		View								
Last 30 days	~	Line Chart Tabl	e Both	Submit						
15										
15										
of sage										
ss U										
IP Addre									<ul> <li>5-Day Avg IPv4 (</li> <li>5-Day Avg IPv6 (</li> <li>5-Day Avg Total</li> </ul>	Count Count Count
We. 21 111 100 28 111	n29 Jun 30 un Jul 1 an Jul 7 ue J	Medul Anu Fri Jule Start St	nul Bonul Tuelul Nedul Thu	ul Fritul Satur Suntu	Monjul Tue	Well The Bull Fri Bar Satur	un <sup>141</sup> 22 non <sup>141</sup> 23 ue <sup>142</sup>	1 <sup>11</sup> 25 11126		
			Ті	me						

2. Under Time option, you can select the frequency of the data to be pulled.

	Dashboards Data Ma	anagement Smart Fo	olders Reporting	Grid	Administration	_	_	Q Search admin
Managed DDI System-created dashboard Time Last 30 days	Peak IP Usage Please clone before editing. View Line Chart	Trend Table Both	Submit		_	Hide Filters	Edit V	More Info 🗸 🛓 🖨
Real-time 30 second window 1 minute window 50 minute window 30 minute window 1 hour window All time (real-time)	Relative Today Week to date Business week to date Month to date Year to date Yesterday Previous week Previous business week Previous month Previous year	Last 15 minutes Last 60 minutes Last 4 hours Last 24 hours Last 7 hours Last 7 days Last 30 days	Other All time					<ul> <li>5-Day Avg IPv4 Count</li> <li>5-Day Avg IPv6 Count</li> <li>5-Day Avg Total Count</li> </ul>
> Relative					118 THUJUI 19 HIJU 20 HIJ2	un un Non Un Tue Un Ned	1125 In1126	
> Real-time > Date Range					-			
> Date & Time Range								
> Advanced								

### Accessing Managed DNS Peak Usage Trend

This report enables MSPs to view the five-day average for total peak DNS QPS calculated for all IB-FLEX members in the grid. The peak DNS QPS is calculated as maximum per day of average QPS calculated for 10-minute intervals.

1. Click on "Managed DNS Peak Usage Trend" to get this report details.

In	TROL YOURI NETWORK	Dashb	oards Da	ata Managemen	Smart Folders	Reporting	Grid	Administr	ation			Q, s	Search admin	•
App:	Infoblox Reportin	g & Analytics $\vee$				infoblox	admin	Messages ~	$\sim$ Settings $\sim$	Activity $\sim$	Help $\sim$	Find		
Но	me Dashboard	Dashboards	Reports	Alerts S	Search Pivot	Administration	Repo	orting Help		lı	nfoblox F	Reporting &	Analytics	
Da	Dashboa Shboards are com	ATCIS aprised of multiple	e reports or inl	ine searches.								Create New	v Dashboard	
8 D	ashboards			All Your	rs This App's	managed			٢					
i	Title ^						Actions		Owner 0		App 0		Sharing 0	
>	IP Address Inv	ventory					Edit 🛩		nobody		infoblox		Арр	
>	IPAMv4 Netwo	ork Usage Stati	stics				Edit 🛩		nobody		infoblox		App	
>	IPAMv4 Top U	Itilized Network	s				Edit 🛩		nobody		infoblox		Арр	
>	Managed DDI	Features Enab	led				Edit $\sim$		nobody		infoblox		Арр	
>	Managed DDI	Peak IP Usage	Trend				Edit 🛩		nobody		infoblox		App	
>	Managed DNS	S Peak Usage T	rend				Edit 🛩		nobody		infoblox		App	
>	Network Inver	ntory					Edit $\sim$		nobody		infoblox		App	
>	Reporting Hel	р					Edit 🛩		nobody		infoblox		App	



# 2. Under **Time** option, you can select the frequency of the data to be pulled.

CONTROL YOUR NETWORK						_	Coolin	
Managed DNS System-created dashboard:	Peak Usage Tren Please clone before editing.	nd			Hide Filters	Edit 🗸	More Info 🗸	ð
Time	View							
Last 30 days	Line Chart	Table Both	Submit					
✓ Presets								
Real-time 30 second window 1 minute window 5 minute window 30 minute window 1 hour window All time (real-time)	Relative         Today       Last         Week to date       Last         Business week to date       Last         Year to date       Last         Year to date       Last         Previous week       Previous business week         Previous business week       Previous month         Previous year       Previous year	t 15 minutes ( t 160 minutes t 4 hours t 24 hours t 7 days t 30 days	Other All time	1. P. P. 10	×	2 v	— 5-Day Average Pe	ak QPS
> Relative				Thull Frill Sath	Sun II Mon II THE II WED IN	Thull		
> Real-time								
> Date Range								
> Date & Time Range								
> Advanced								

### Alerts

Infoblox ships multiple alerts out of the box which MSPs can use based on their preferred billing frequency. Each alert generates email with attached CSV.

Alerts are disabled by default and has to be enabled manually.

### **Configuring Email Settings**

1. Login to the Grid and navigate to the Grid → Grid Manager → Grid Properties → Edit



 Click on Email option. Check the Enable Email notification. In the Email Address option enter the email address which will be used to send email alerts to Infoblox. In case you wish to use SMTP relay, check the Use SMTP Relay option and enter the SMTP server address. Click on Test email settings to verify that email settings are valid.

Infoblox (Grid Properties Editor)	×
	<u>Close</u>
Email settings are correct	
A Toggle Basic Mode Basic	(«
General	
Security	
Password Email Address tre@infoblox.com	
A Proxy Settings Use SMTP Relay	
DNS Resolver SMTP Relay Name or smtp-relay inca infohor con	
Monitoring Address	
Syslog Backup	
SNMP Email settings Email queued	
A SNMP Threshold	
A Notification	
Email	
LOM	
Improvement	
NAT Groups	
A Object Change	
Tracking	
ActiveTrust	¥
Cancel	Save & Close •

3. Click in Save & Close to come out of the Email configuration wizard.

### **Configuring Alerts**

- 1. Login to the Grid and navigate to **Reporting** → **Alerts.** In the search box, type ib-managed and hit on enter. You will get 6 alert types.
  - a. Alerts for generating IP address usage report email
    - i. ib-managed-ddi-ip-usage-report-per-month
    - ii. ib-managed-ddi-ip-usage-report-per-quarter
  - b. Alerts for generating DNS usage report email
    - i. ib-managed-dns-usage-report-per-month
    - ii. ib-managed-dns-usage-report-per-quarter
  - c. Alert for generating Feature usage report email
    - i. ib-managed-ddi-feature-usage-report-per-month
    - ii. ib-managed-ddi-feature-usage-report-per-quarter

lr	nfoblox 💸	Dashb	ooards C	Data Manager	ment S	mart Folders	Reporting	Grid	Administra	ation			C	Search	admin	•
App	Infoblox Reportin	lg & Analytics ∨					infoblox-ad	min	Messages $\vee$	Settings $\sim$	Activity ~	🗸 Help 🗸	Find			l
Но	ome Dashboard	Dashboards	Reports	Alerts	Search	Pivot	Administration	Repor	ting Help		I	Infoblox F	Reporting	& Ana	lytics	
) Ale pe	Alerts erts set a condition ople. Click the nar	n that triggers an ne to view the ale	action, such a rt. Open the a	as sending a Ilert in Searc	an email that th to refine th	contains the	results of the triggers.	ring sea	arch to a list o	f						
64	Alerts			All	Yours TI	his App's	ib-managed			8						
i	Title ^						Actions			Owner 0		App 0		Sharin	ng 0	
>	ib-managed-d	di-feature-usag	e-report-pe	r-month			Open in Search	Edit	~	nobody		infoblox		App		
>	ib-managed-d	di-feature-usag	e-report-pe	r-quarter			Open in Search	Edit	<b>~</b> 1	nobody		infoblox		App		
>	ib-managed-d	di-ip-usage-rep	ort-per-moi	nth			Open in Search	Edit	<b>~</b>	nobody		infoblox		App		
>	ib-managed-d	di-ip-usage-rep	ort-per-qua	rter			Open in Search	Edit	<b>~</b>	nobody		infoblox		App		
>	ib-managed-d	ns-usage-repor	t-per-mont	h			Open in Search	Edit	<b>~</b>	nobody		infoblox		App		
>	ib-managed-d	ns-usage-repor	t-per-quart	er			Open in Search	Edit	~	nobody		infoblox		App		

### **Configuring Email Alerts**

1. Click on **ib-managed-ddi-feature-usage-report-per-month** alert. Click on Enable option to enable this alert. After enabling, click on Edit option to edit the alert settings.

	Dashboards	Data Managen	nent Sm	art Folders	Reporting	Grid	Administrat	ion			٩	Search adn	nin 🗣
App: Infoblox Reporting & Ana	alytics 🗸				infoblox	-admin	Messages $\vee$	Settings $\vee$	Activity $\sim$	Help $\sim$	Find		
Home Dashboard Dash	nboards Repo	orts Alerts	Search	Pivot	Administration	Repo	rting Help		In	foblox F	Reporting 8	& Analytic	s
ib-managed-de The alert triggered to email	di-feature feature usage repo	-USAGE-re orts every month f	eport-p	er-mor ased Manage	nth ed DDI services							Edit 🗸	0
Enabled: No.	Enable			Trigg	ger Condition:	Numbe	er of Results is	> 0. Edit					
App: infol	olox			Actio	ons:	🗙 2 Act	tions	Edit					
Permissions: Sha	red in App. Owned	by nobody. Edit				💄 A	Add to Triggere	d Alerts					
Alert Type: Scho	eduled. Cron Scheo	dule. Edit				<b>X</b> 9	Send email						

2. Click on **Edit** option and expand the **Send email** option. Enter the email address, where you want to send the email alerts.

Alert	ib-managed-ddi-featur	e-usage-report-per-month	
Trigger Actions			
	+ Add Actions ~		
When triggered	> 👃 Add to T	riggered Alerts	Remove
	<ul> <li>✓ Send em</li> </ul>	ail	Remove
	То	mspreports@infoblox.com	Comma separated list of email addresses. Show CC and BCC
	Priority	Normal ~	
	Subject	Managed DDI Feature Usage Monthly Repo	The email subject and message can

 In the message option, enter details like MSP Name, End Customer Name(which MSP will be servicing) and Grid License UID.In the Include section select Attach CSV to send out CSV reports.

		addresses. Show CC and BCC
Priority	Normal V	
Subject	Managed DDI Feature Usage Monthly Repo	The email subject and message can
Message	Monthly Feature Usage Report for Infoblox- based Managed DDI Services. Date: Strigger_date\$ MSP Name: End Customer Name: Grid License UID:	on the results of the search. Learn More [2
Include	Link to Alert     Link to Results       Search String     Inline Table ∨	
	Trigger Condition Attach CSV	

4. Repeat all these steps, to configure other email alerts.

### Sample email alert.



splunk > the engine for machine data

### Sample IP Address Usage CSV file

•	) 🕘 📄 🖪 🗌	<b>ທ •</b> ປັ	<b>₹</b> 8	ib-manag	ed-ddi-ip-usage-	report-per-month-2	018-04-27 Q~ Sea	arch She	et		<b>2</b> +
Г	Home Insert P	age Layout	Formu	las Dat	ta Review	View				<b>⊡</b> •	^
	Paste	(Body) • I <u>U</u> •	12 🔹	A- A- • A •		→ v Number	<ul> <li>Conditional Format</li> <li>Format as Table *</li> <li>Cell Styles *</li> </ul>	ting ▼	Cells	Q • Editing	
19	‡ × ✓	$f_X$									•
	A	В	С	D	E	F	G	н	1	J	
1	Peak Time	IPv4 Count	IPv6 Count	Total Count	5-Day Avg IPv4 Count	5-Day Avg IPv6 Count	5-Day Avg Total Count				
2	2018-03-28 02:03:45 UTC	3259	1810	5069	1842	2460	4302				
3	2018-03-29 02:26:13 UTC	1279	3226	4505	1487	2694	4181				-
4	2018-03-30 00:08:12 UTC	1887	1720	3607	1528	2640	4168				
5	2018-03-31 03:34:05 UTC	0	4302	4302	1663	2604	4267				
6	2018-04-01 14:17:58 UTC	2784	1241	4025	1663	2505	4167				
7	2018-04-02 02:52:01 UTC	1485	2982	4467	1654	2509	4164				
8	2018-04-03 21:47:39 UTC	1486	2954	4440	1935	2158	4093				_
9	2018-04-04 11:20:06 UTC	2559	1543	4102	2539	1567	4106			_	
10	2018-04-05 21:20:12 UTC	0	3803	3803	2315	1916	4231			Ţ	
11	2018-04-06 10:58:35 UTC	2742	1265	4007	3091	1473	4564				_
12	2018-04-07 13:17:20 UTC	2890	1223	4113	2542	2120	4663				_
	ib-managed-do	li-ip-usage-	report-	+						<b>+</b> 100	0%

### Sample DNS Usage CSV file

•	•		<u>ພ</u> ຼຸດ ຊ ⇒ (	🗈 ib-man	aged-dns-u	usage-rep	ort-per-	-mont	h-2018-	05-06	Q∽ Search Sh	eet		+
F	lome	nsert F	Page Layout Form	ulas D	ata Rev	iew Vi	iew						٢	- ^
P	aste	• Calibr	i (Body) + 12 + I U + 4	A A v			<b>€</b> . •	% Num	)  ber	Conditional Format as T Cell Styles	Formatting * able *	Cells	Q. Editing	
J13	3 🗍	$\times$ $\checkmark$	$f_X$											Ψ
	A	В	С	D	E	F	G		н	1	J	к	L	M
1	Date	Peak QPS	5-Day Average Peak QPS											
2	4/7/18	0.085	0.085											
3	4/8/18	0.083	0.084											
4	4/9/18	0.085	0.084											
5	4/10/18	0.083	0.084											
6	4/11/18	0.085	0.084											
7	4/12/18	0.087	0.084											
8	4/13/18	0.083	0.085											
9	4/14/18	0.085	0.085											
10	4/15/18	0.083	0.085											
11	4/16/18	0.085	0.085											
12	4/17/18	0.085	0.084											
12	//10/10	0.001	0.004					_	_					
	▶ ib-	managed-d	ns-usage-report-per	+					-					
	Ready										E	Mar 6 201	+ 1	00%

### Sample Feature Usage CSV file

P	aste	* 12 *	A* A•		₩ III %	€= + =	% • Number	Conditional Format as Cell Styles	I Formatting * Table * *	Cells	<b>Q</b> • Editing	
E5	\$ × ~	fx				100			rit	V88		
4	A	В	C	D	E	F	G	н	1	J	K	L
1	Feature	Enabled										
2	Active Trust Plus	No				_	_					
3	Active Trust Standard	No										
4	Authoritative DNS	No				-						
5	Captive Portal	Yes			_	_						
6	Cloud Network Automation	Yes										
7	DHCP	No	-			_						
8	DNS Cache Acceleration	Yes										
9	DNS Traffic Control	No										
10	Fireeye	No										
11	Microsoft Management	No										
12	Recursive DNS	No				_						
13	Security Ecosystem	No										
14	Subscriber Services	No										
15	Threat Analytics	No	-			_						
16	Threat Protection	Yes										
17												

### Some useful Information

- In case of Email generation issues, validate that email configuration in Splunk is setup correctly and DNS resolver is configured in Grid Properties
- Dashboards will take atleast 1 day to display results.