



# 可视化

在任何时间，任何情况下，了解谁在做什么

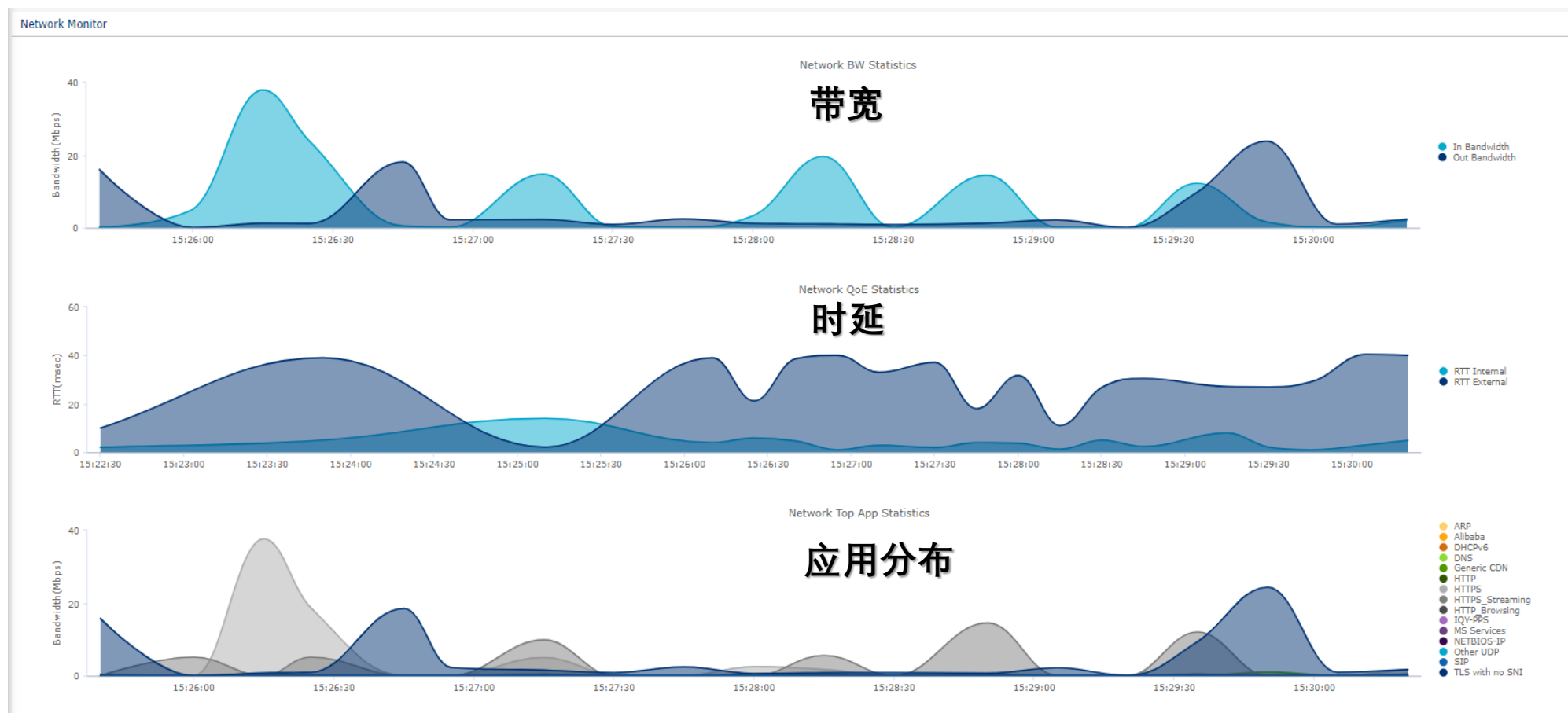
# 可视化

- 通过NX（统一管理软件）和ClearSee（大数据报表系统）进行不同维度的监控
- 监视不同网络（服务器，员工，分支和总部）的网络利用率
- 监控用户连接代理服务器的不同应用
- 找到滥用网络的应用和用户
- 分析网络、用户、应用的QOE质量
- 快速定位网络爆发、网络延迟的原因



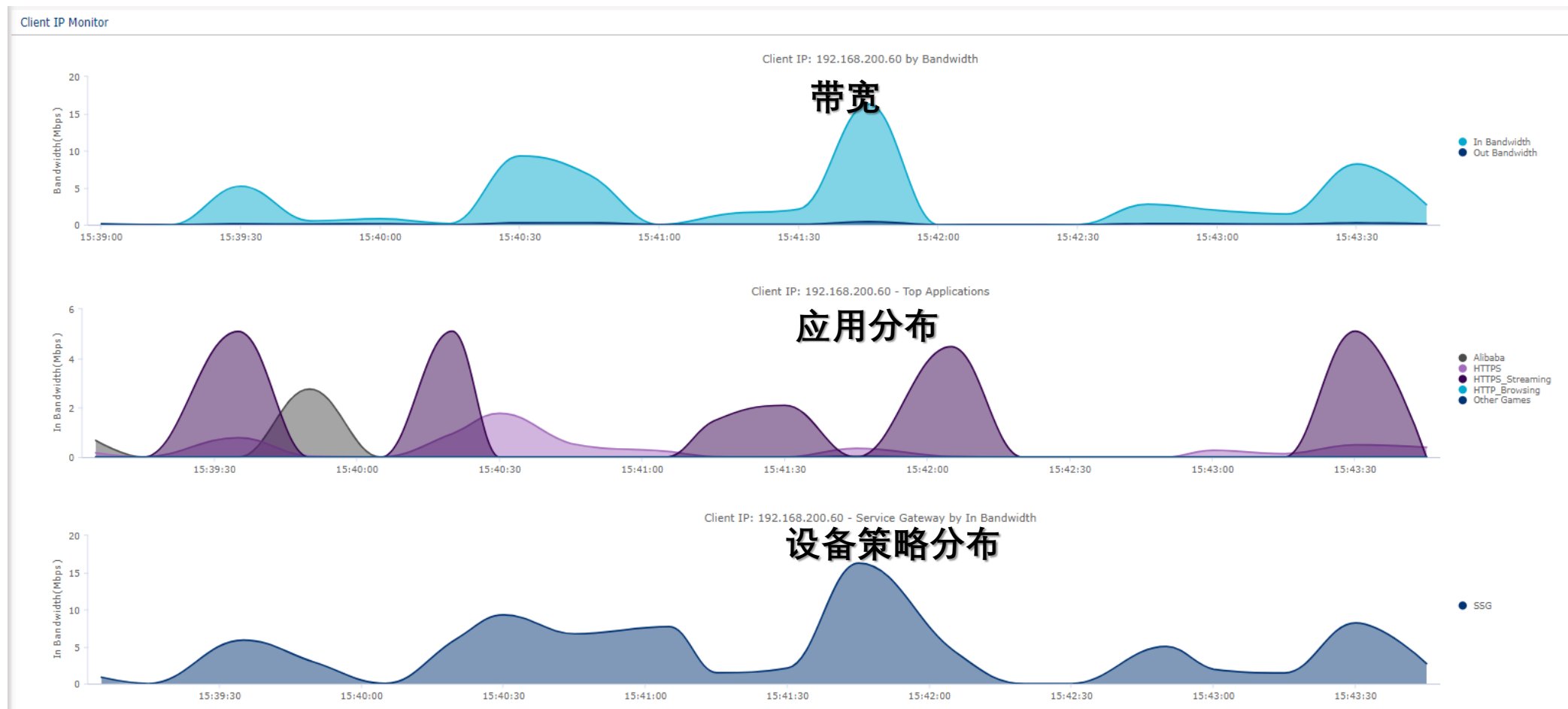
# 全局网络监控预览

- 5秒一次的实时带宽利用率分析、包含带宽、延时、应用分布

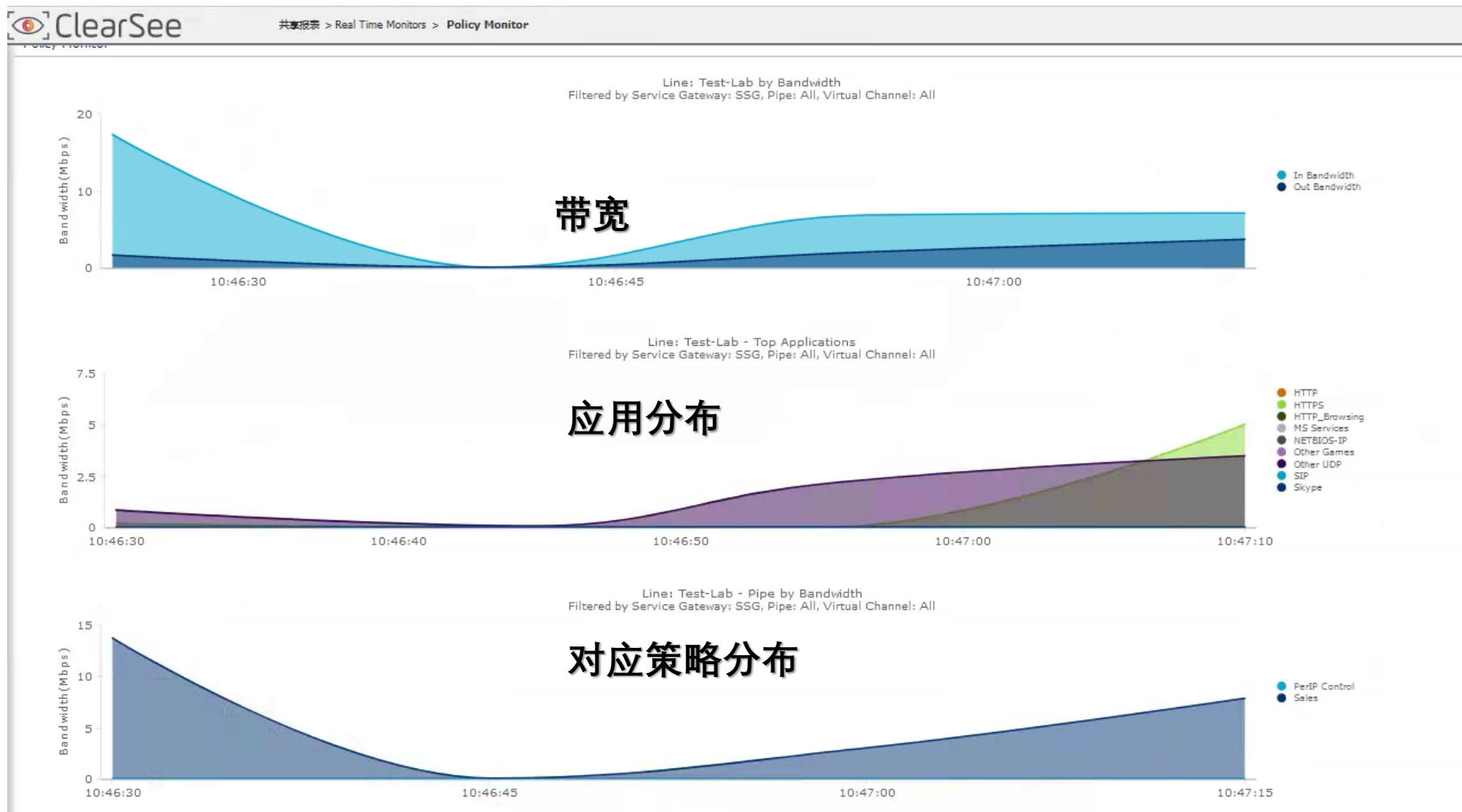


# 主机级别单独监控

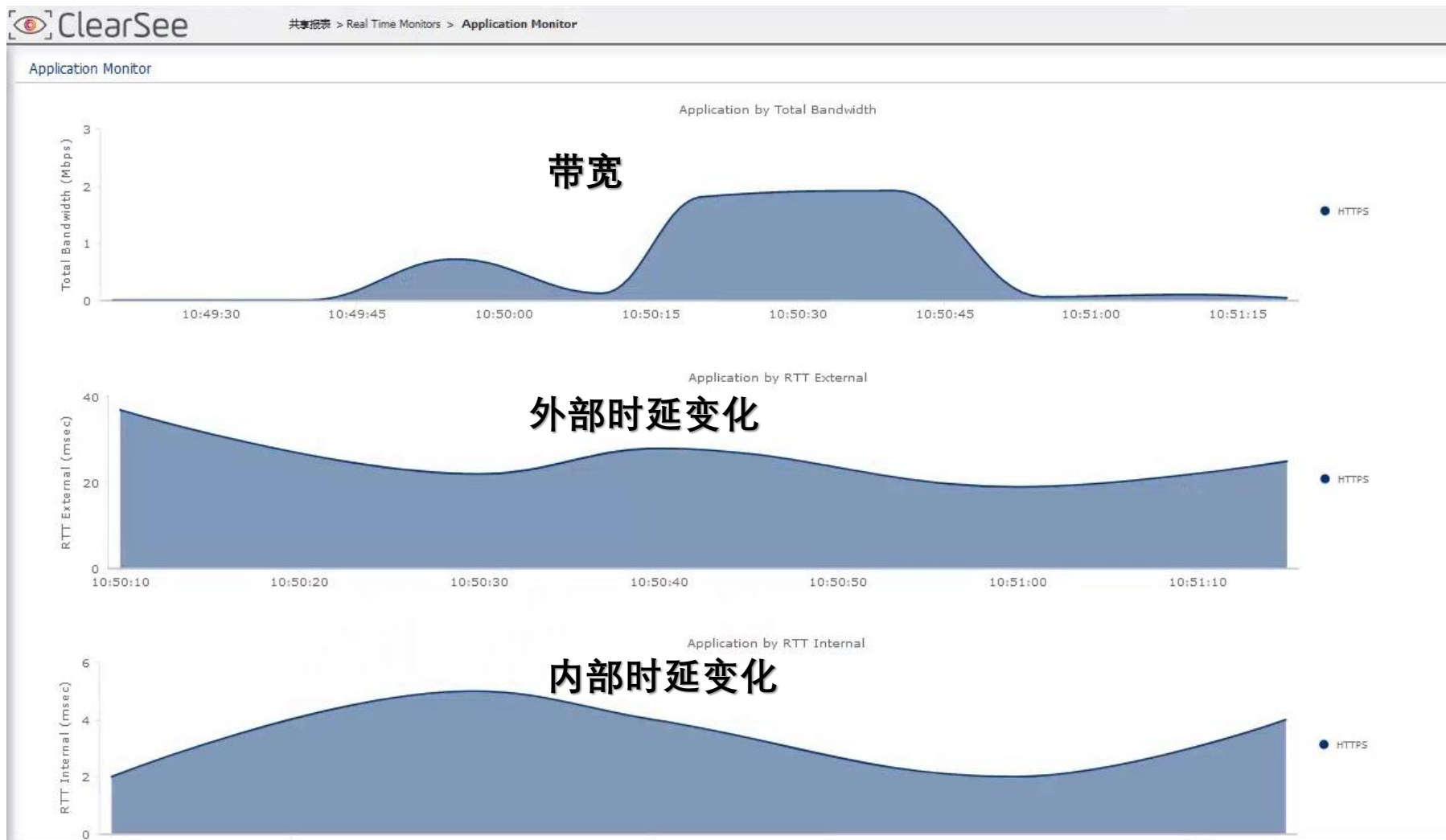
- 5秒一次的实时主机利用率分析、包含带宽、应用和通讯主机分布



# 策略级别单独监控



# 应用级别单独监控



# ClearSee – 设备以及活跃策略一览报表

## Service Gateways

Resoluti Raw

### Network Traffic Statistics

Service Gateway	Total Bandwidth	In Bandwidth	Out Bandwidth	% Retransmission In	% Retransmission Out	Unique Users
<a href="#">SSG400</a>	6.16 Mbps	3.79 Mbps	2.37 Mbps	2.16%	3.24%	1
Total	6.16 Mbps	3.79 Mbps	2.37 Mbps	2.16%	3.24%	--

By % of Total Bandwidth

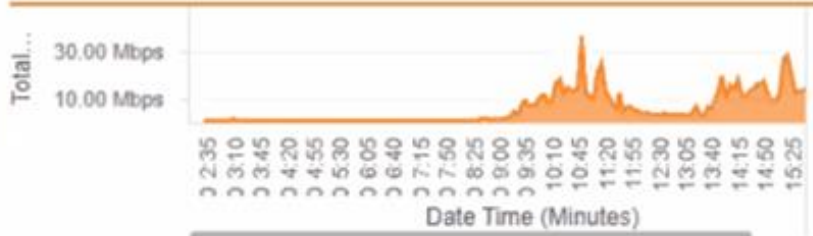
%Usage



Select M Total Bandwidth

By: Lines Select Me Total Bandwidth

### 5 Minutes Traffic Trend | by Top Service Gateway



### Network Traffic | by Top Lines



不同策略（分支）排名监控

咨询订购：400-010-8885、Support@allots.com.cn

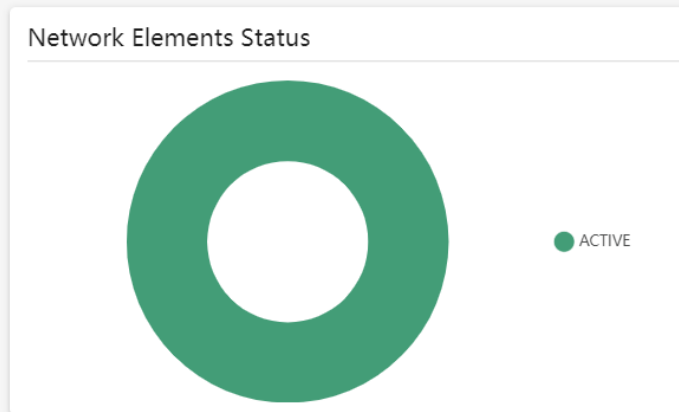
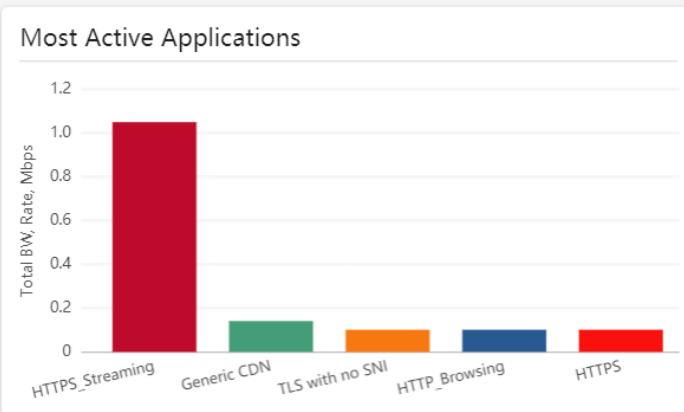
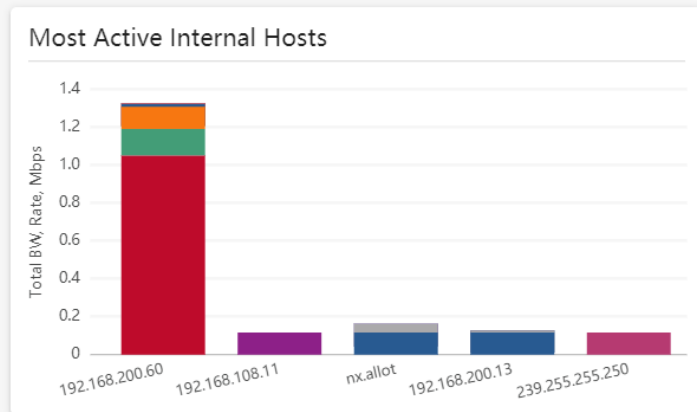
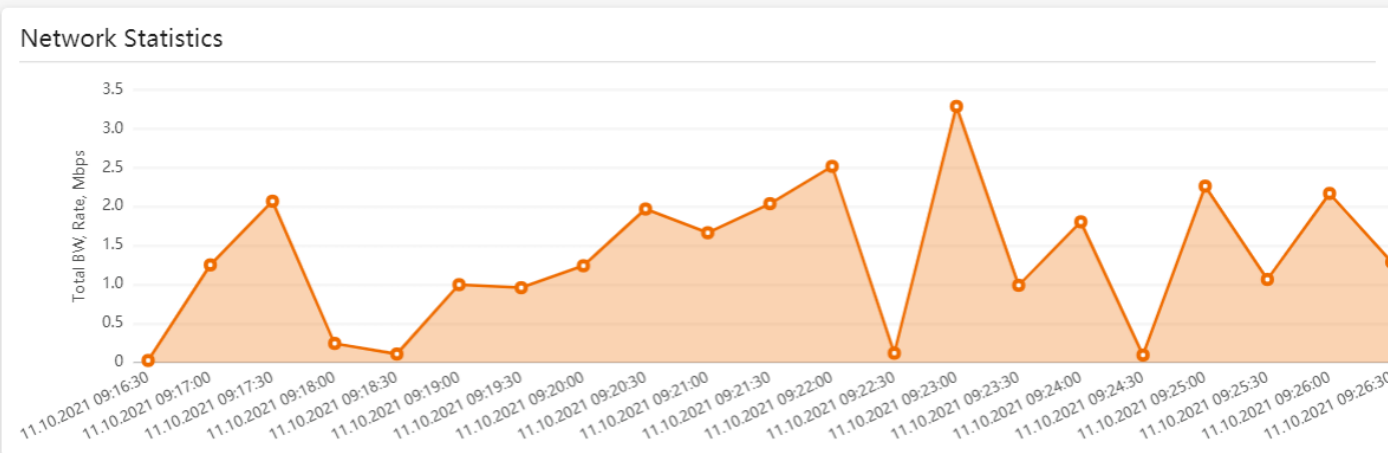
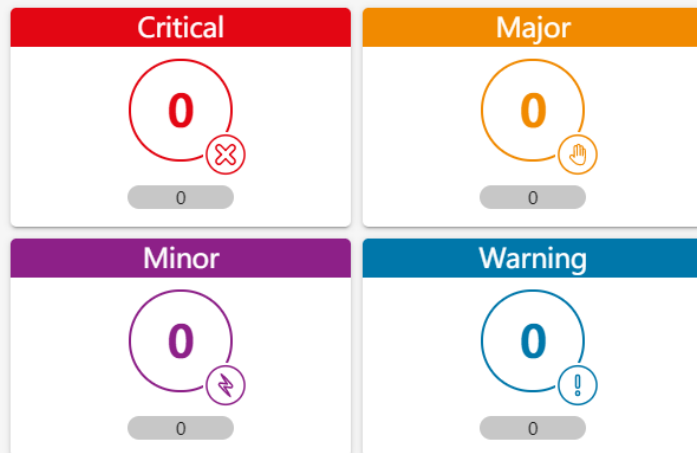


# NGNX Web 管理报表 - Dashboard

## Dashboard

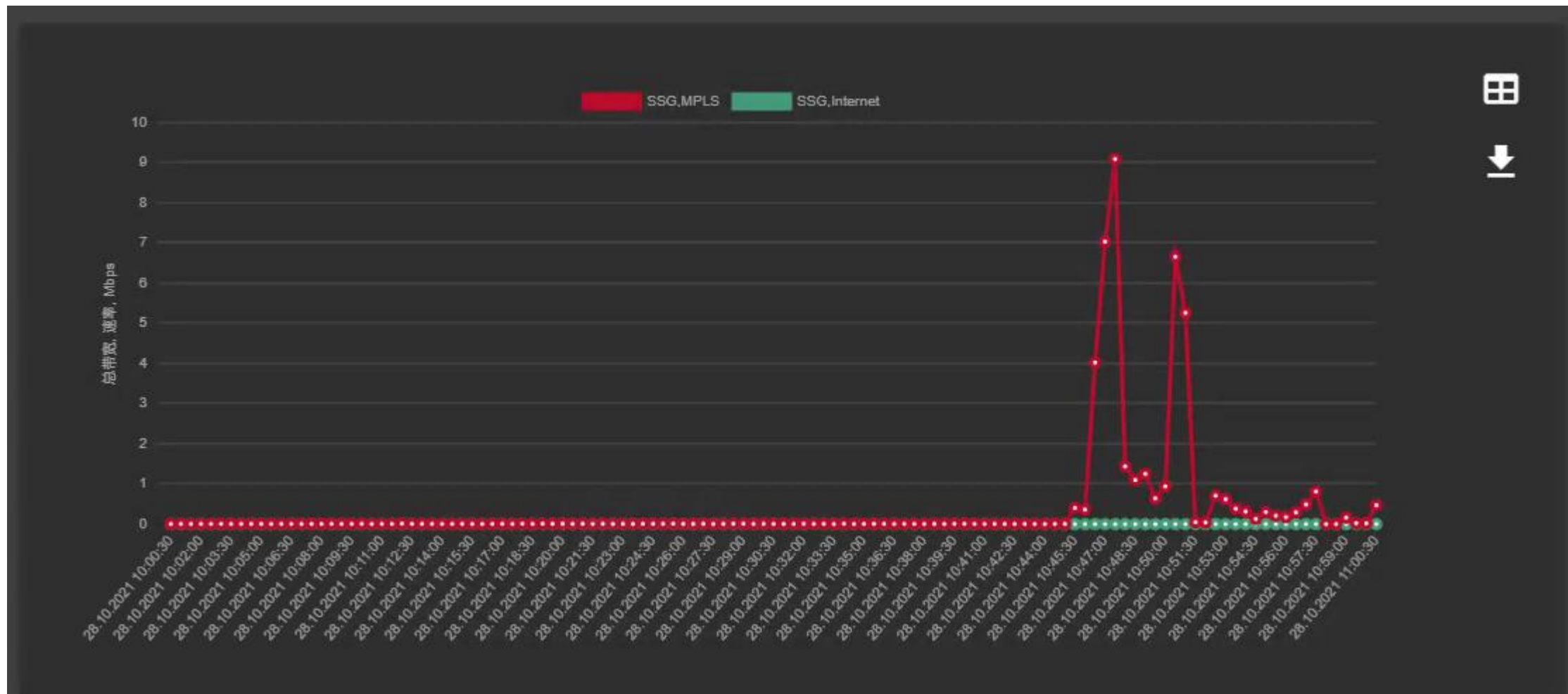
Monday, 11 October 2021, Last 10 minutes

Show the Last: **10m** 1h 24h





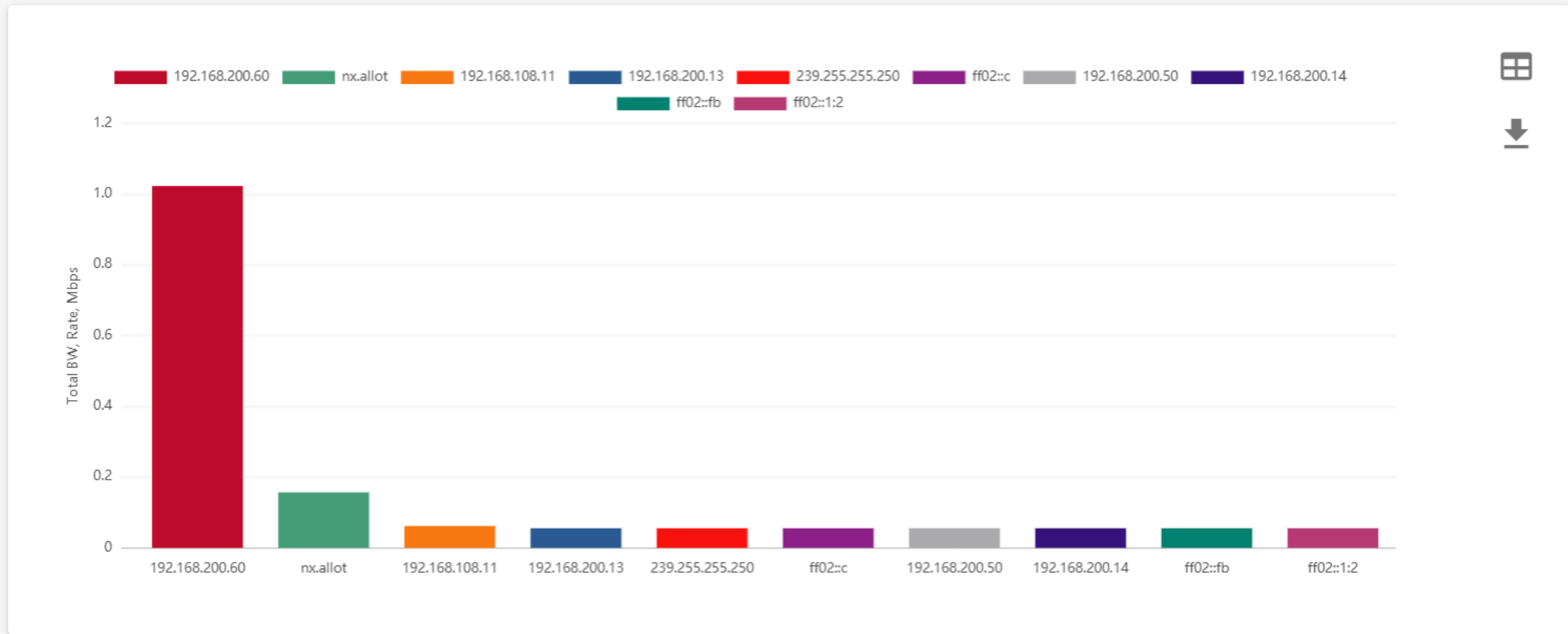
# 基于链路策略的实时带宽监控



# NGNX Web 管理报表 - 内部主机

## Report

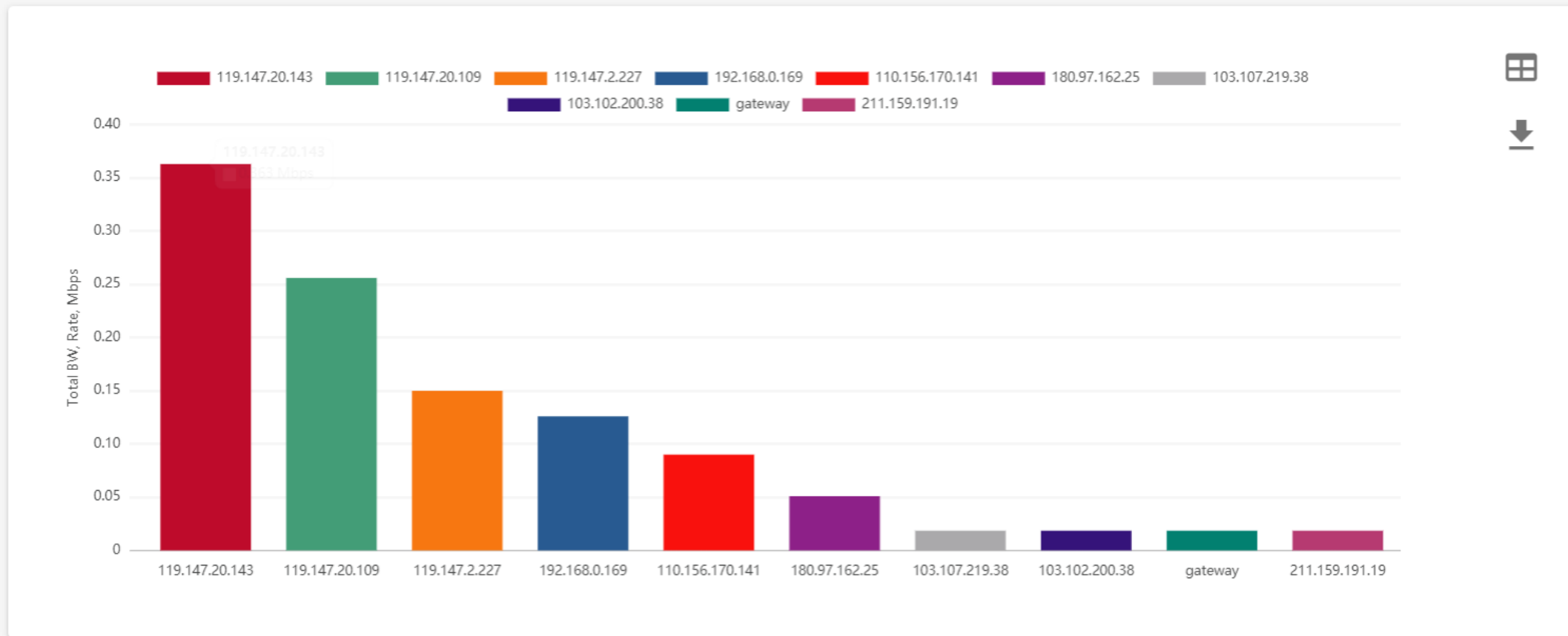
Most Active | Internal Hosts | 11.10.2021 09:25:31 - 11.10.2021 09:36:00 | [ ] [ ], [ ] | No Stacking | Total  
BW | Total BW | Resolution: 30 seconds



# NGNX Web 管理报表 - 外部主机

## Report

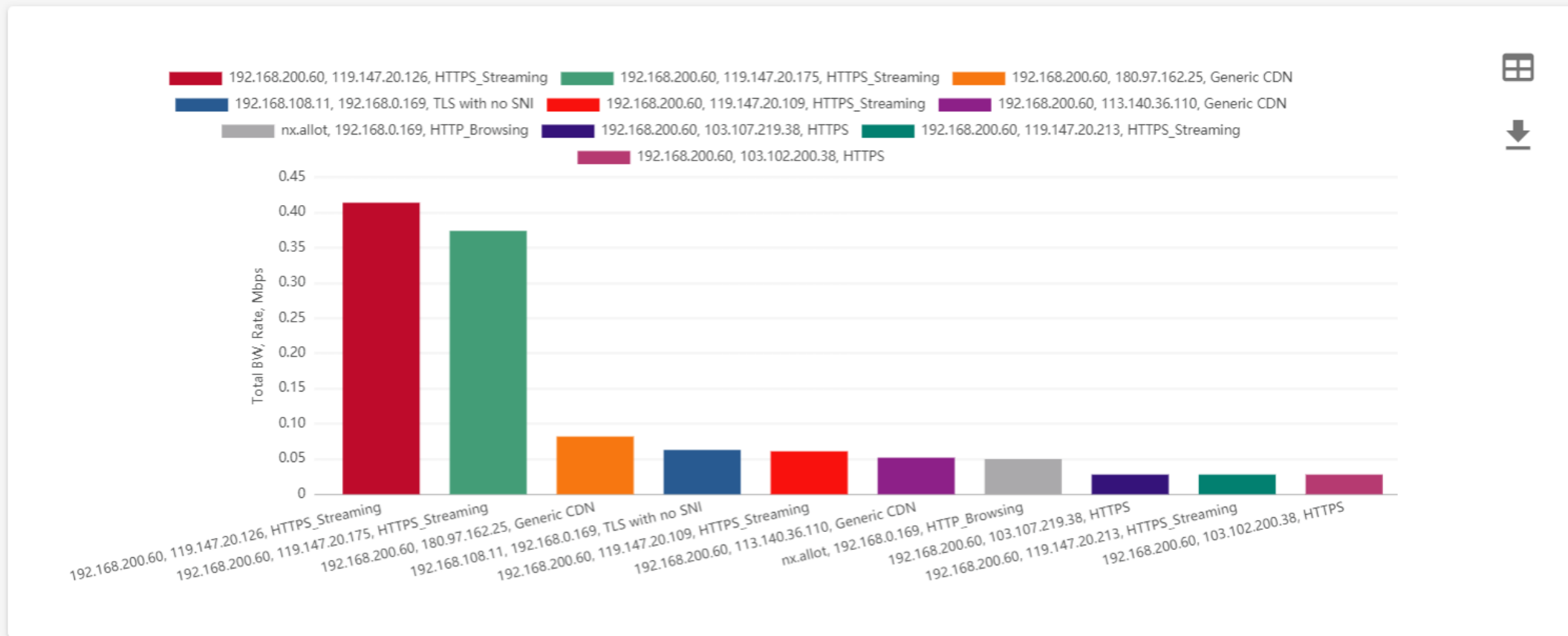
Most Active | External Hosts | 11.10.2021 09:27:01 - 11.10.2021 09:37:30 | [ ] | [ ] | [ ] | No Stacking | Total BW | Total BW | Resolution: 30 seconds



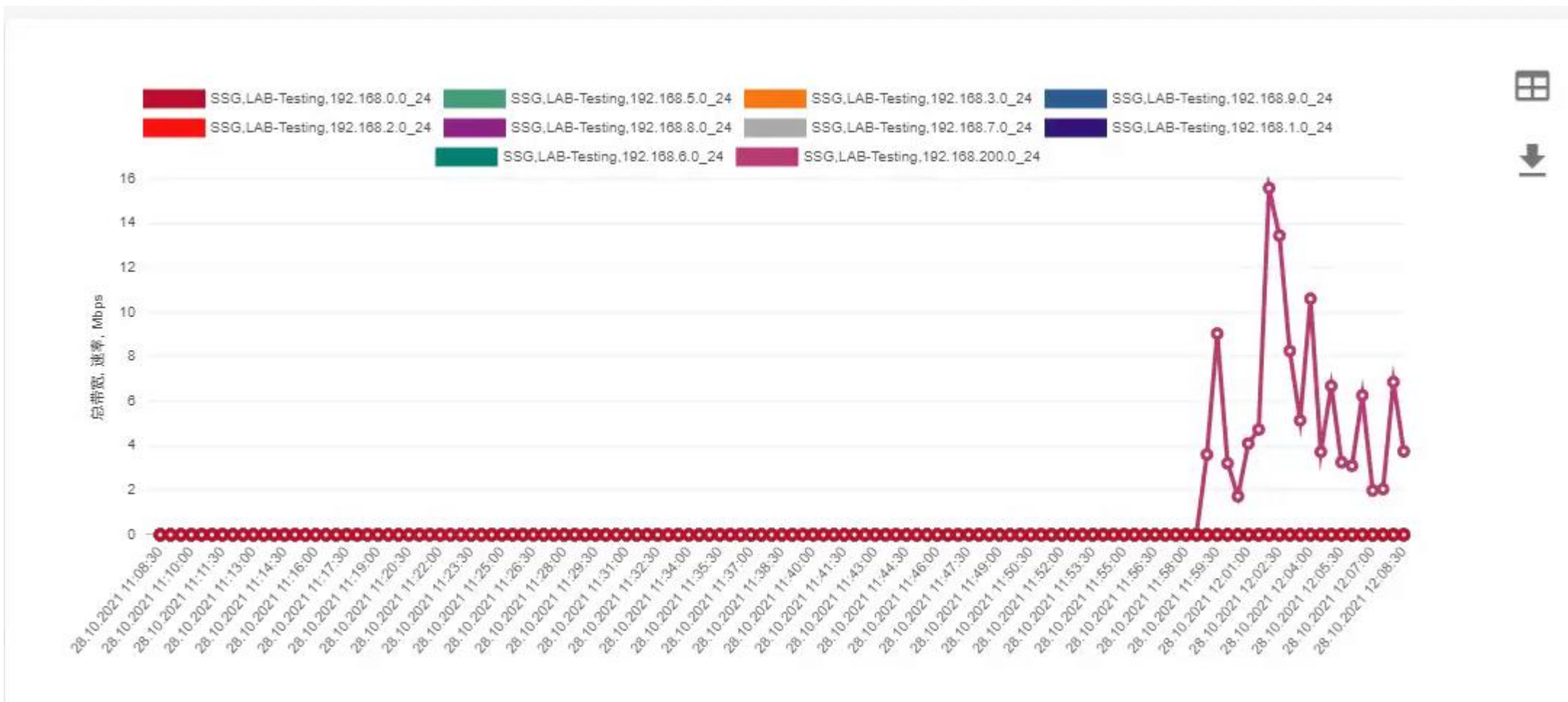
# NGNX Web 管理报表 - 会话

## Report

Most Active | Conversations | 11.10.2021 09:39:01 - 11.10.2021 09:49:30 | [ ] [ ] [ ] | No Stacking | Total BW | Total BW | Resolution: 30 seconds



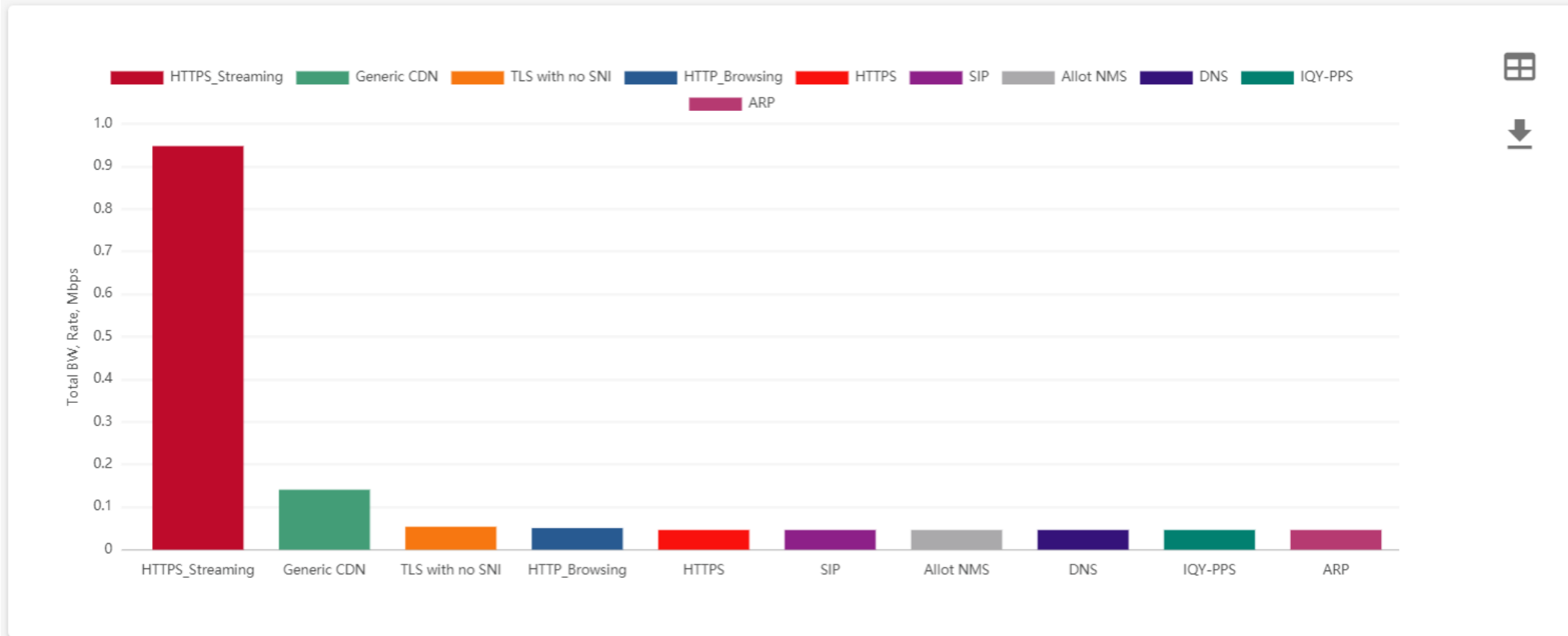
# 不同网段的实时带宽监控



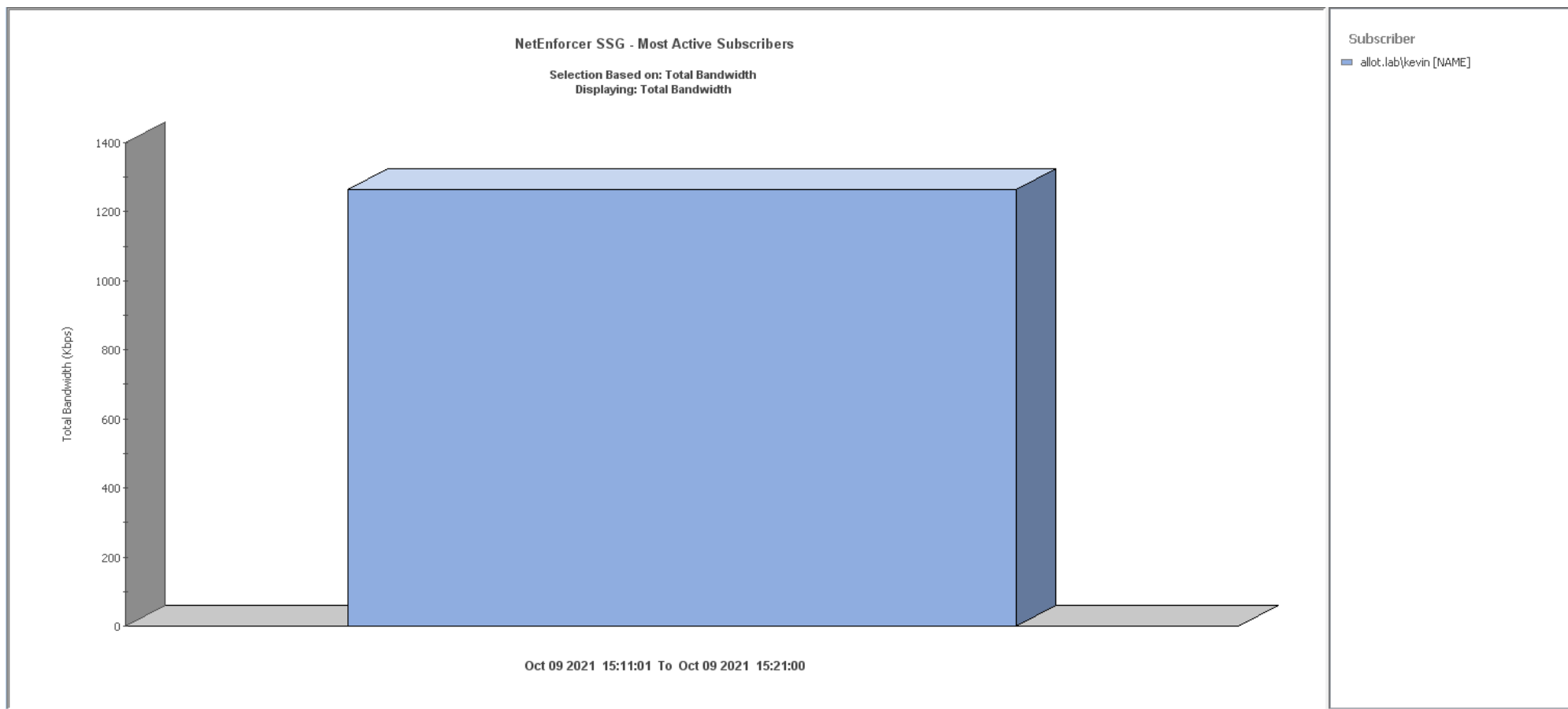
# NGNX Web 管理报表 - 应用

## Report

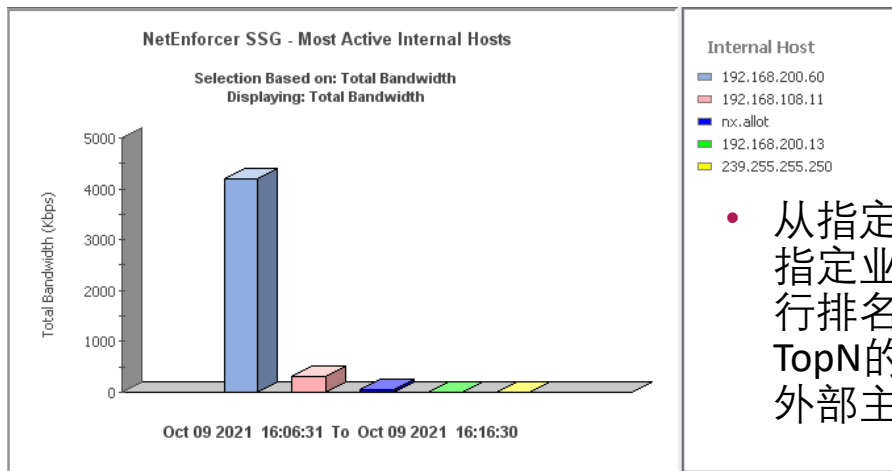
Most Active | Apps | 11.10.2021 09:43:01 - 11.10.2021 09:53:30 | [ ] [ ] [ ] | No Stacking | Total BW |  
Total BW | Resolution: 30 seconds



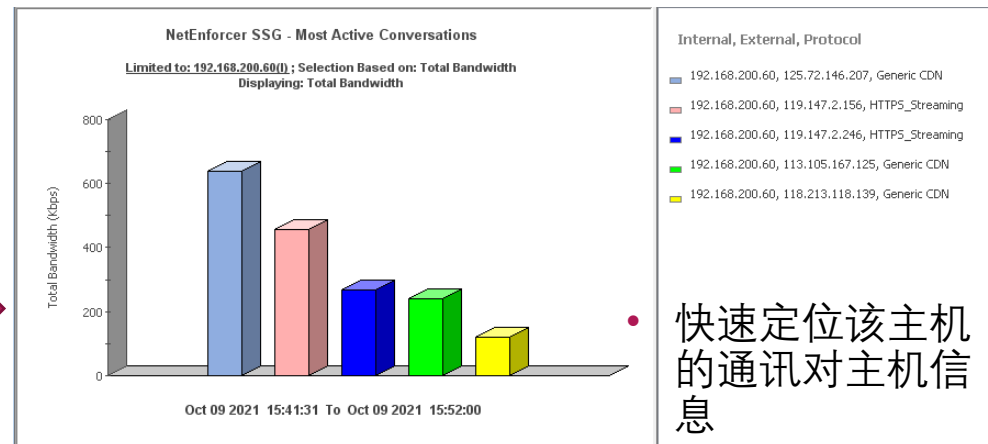
# 活跃应用监控 – AD/Radius用户



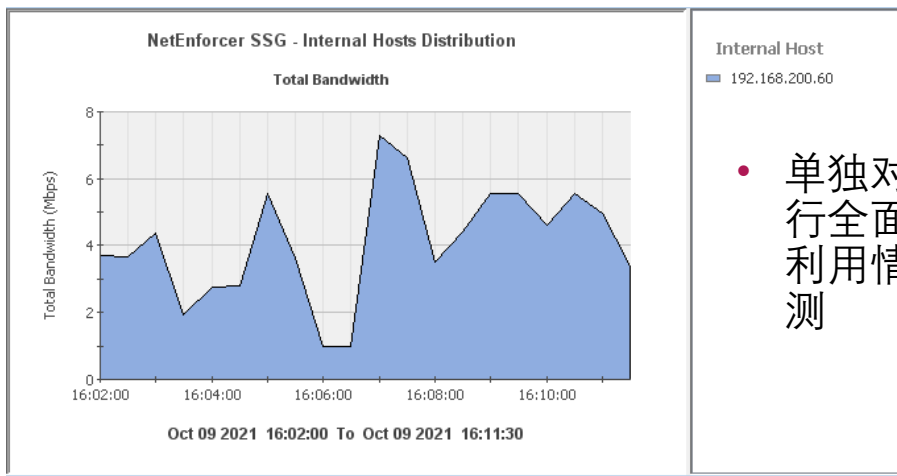
# 快速分析主机定位分析报表



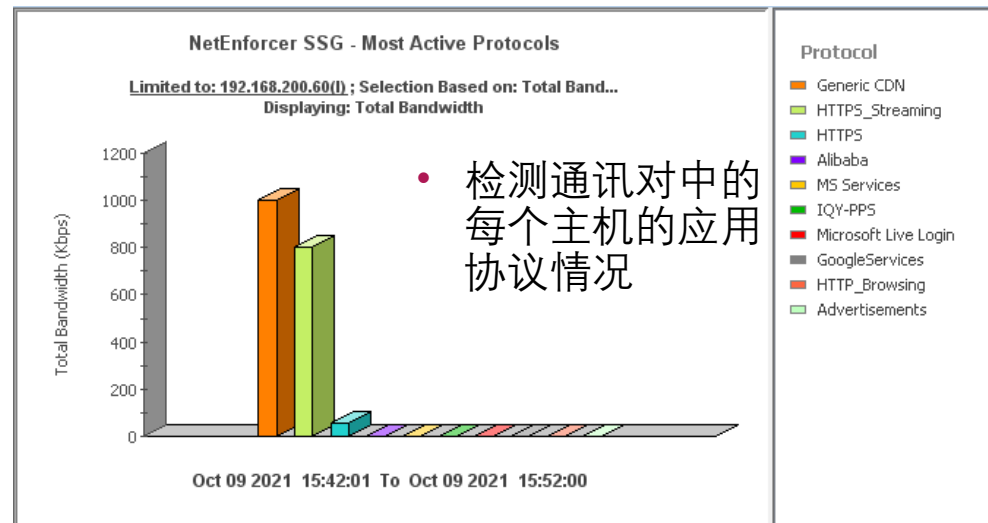
- 从指定分支或者指定业务模式进行排名, 查看TopN的内部或者外部主机



- 快速定位该主机的通讯对主机信息



- 单独对该主机进行全面长期带宽利用情况进行检测

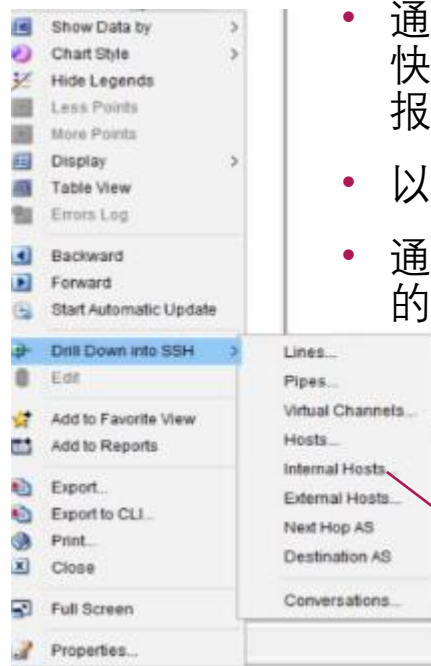
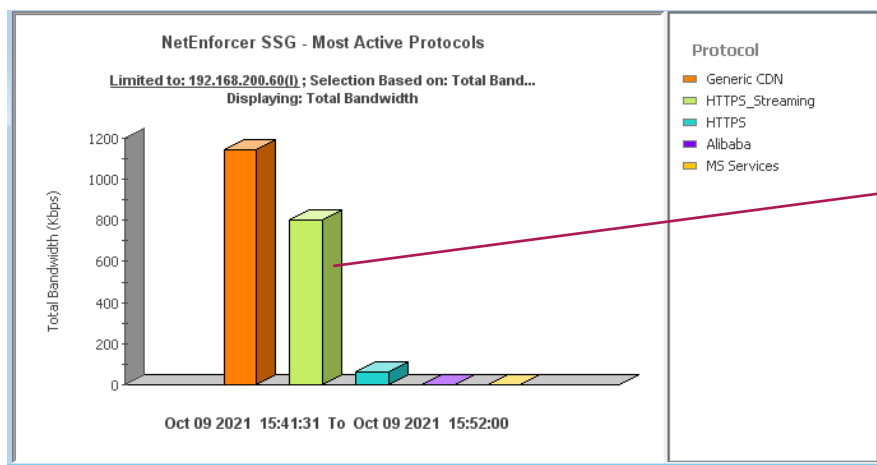


- 检测通讯对中的每个主机的应用协议情况

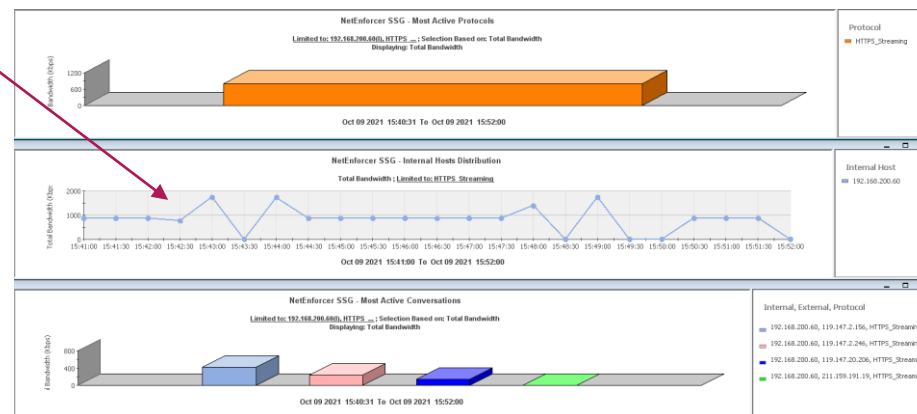




# 实时关联分析-快速定位数据相关性



- 通过Top apps 或者 host 或者带宽相关报表，可以快速进行关联分析，查看跟这些数据相关的数据报表，形成一个整体的数据分析链。
- 以此数据分析链，看到数据之间的相互关系。
- 通过关联分析，用户可以快速定位任何异常数据的信息



# 快速定位报表图形转换

The image displays two screenshots from the NetEnforcer SSG interface. The top screenshot shows a table of 'Most Active Protocols' sorted by total bandwidth. The bottom screenshot shows a detailed view of 'Internal Hosts Distribution' for 'HTTPS Streaming', including a 'Table Time' list and a table of host statistics.

**NetEnforcer SSG - Most Active Protocols**  
Selection Based on: Total Bandwidth  
Displaying: Total Bandwidth

Protocol	Total Bandwidth (Kbps)	% Total Bandwidth (%)	In Bandwidth (Kbps)	Out Bandwidth (Kbps)	New Connections (Conn/sec)
Generic CDN	1809.2	60.1	1785.6	23.6	0.0
HTTPS_Streaming	1006.5	33.4	996.8	9.7	0.0
TLS with no SNI	92.9	3.1	3.6	89.3	0.0
HTTP_Browsing	49.6	1.6	5	44.6	0.1
HTTPS	44.6	1.5	21.4	23.2	0.5
All Others	8.7	0.3	5.8	2.9	1

Oct 09 2021 16:18:01 To Oct 09 2021 16:18:01

**NetEnforcer SSG - Internal Hosts Distribution**  
Limited to: HTTPS\_Streaming

Table Time

- Oct 09 2021 15:41:00
- Oct 09 2021 15:41:30
- Oct 09 2021 15:42:00
- Oct 09 2021 15:42:30
- Oct 09 2021 15:43:00
- Oct 09 2021 15:43:30
- Oct 09 2021 15:44:00
- Oct 09 2021 15:44:30
- Oct 09 2021 15:45:00
- Oct 09 2021 15:45:30
- Oct 09 2021 15:46:00
- Oct 09 2021 15:46:30
- Oct 09 2021 15:47:00

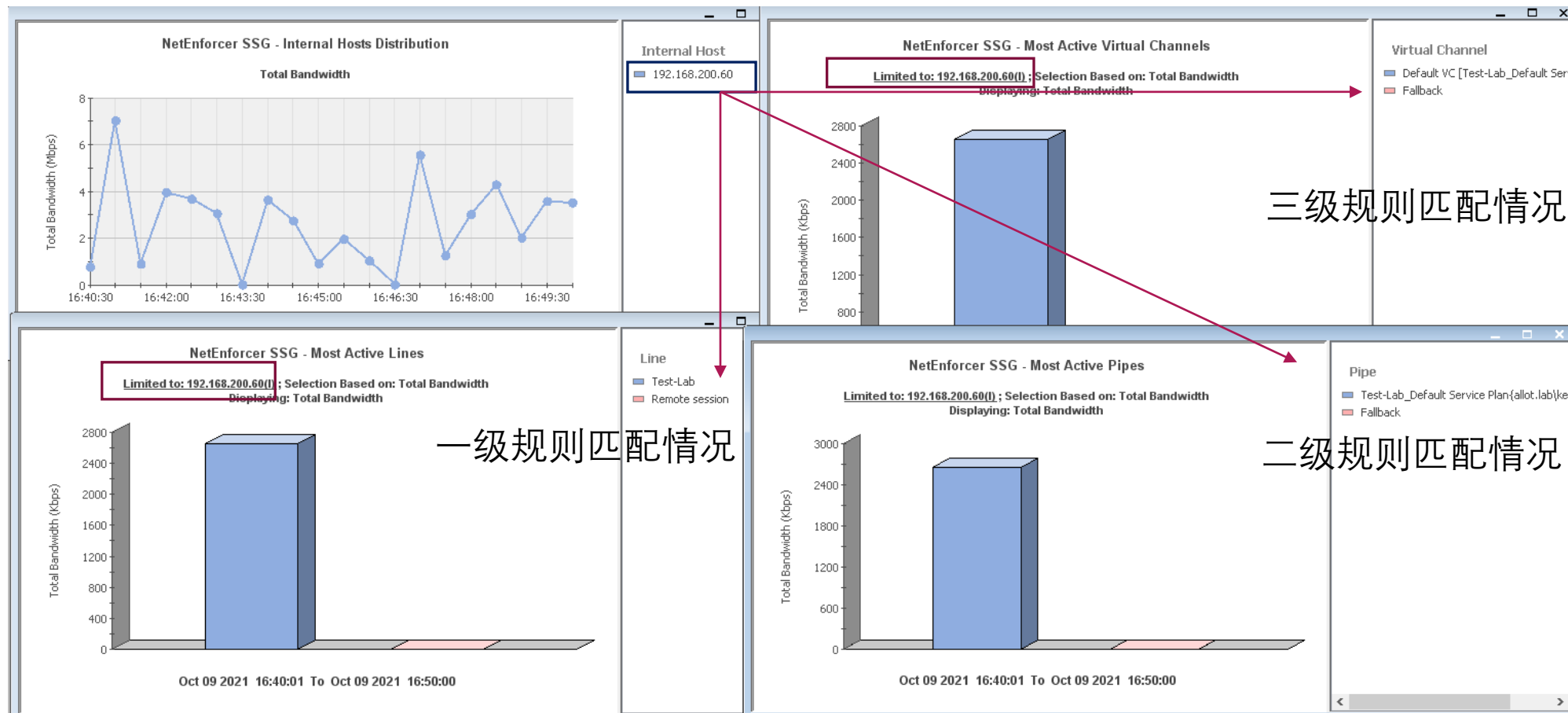
Internal Host	Total Bandwidth (Kbps)	In Bandwidth (Kbps)	Out Bandwidth (Kbps)	Live Connections	New Connections (Conn/sec)
192.168.200.60	1.8	1.5	0.364	1	0.0

Oct 09 2021 15:51:31 To Oct 09 2021 15:52:00

- 数据格式支持图形显示也可以快速一键转换为报表格式, 看到具体每个时间点的报表数据

# 快速定位问题主机的策略匹配以及带宽

- 通过关联分析，可以快速定位问题主机的匹配规则信息，以及匹配规则里面的带宽占用情况





# 可视化

## 数据记录系统

# 数据访问记录CDR

- 支持基于分、时、天、设备、内容来命名记录存储
- 通过脚本实现按月文件夹进行备份和上传
- 每个用户的每个访问记录清晰可追溯
- 支持CSV和压缩格式并存，降低存储空间消耗
- 快速数据归类查询
- 时间、设备、规则、区域、域名、IP、会话、应用、连接、端口、访问时长、访问次数.....无需保存原始抓包，直接提供可视化话单

# 实时会话记录CONV\_RTU

Enforc	PeriodStartTime	PeriodEnc	ServiceID	LineID	LineIns	LineIns	PipeID	VCID	NextHop	Monitored	ServiceGroupID	Conges	NewConnec	OctetsIn	OctetsOut
SSG	2021-10-11T02:09:50+0000	2021-10-11	DNS	NMS	0	0	Fallback	Fallback	0	Network Operation		0	1	145	70
SSG	2021-10-11T02:09:50+0000	2021-10-11	NETBIOS-IP	NMS	0	0	Fallback	Fallback	0	File Systems		0	0	0	96
SSG	2021-10-11T02:09:50+0000	2021-10-11	HTTPS	Test-Lab	0	0	Default Service Plan	Default VC	0	Web Applications		0	6	2726130	62581
SSG	2021-10-11T02:09:50+0000	2021-10-11	IQY-PPS	Test-Lab	0	0	Default Service Plan	Default VC	0	Unclassified		0	1	6865	3465
SSG	2021-10-11T02:09:50+0000	2021-10-11	DNS	Test-Lab	0	0	Win-ad	Fallback	0	Network Operation		0	52	10043	5046
SSG	2021-10-11T02:09:50+0000	2021-10-11	HTTPS_Streaming	Test-Lab	0	0	Default Service Plan	Default VC	0	Streaming Applications		0	0	64	64
SSG	2021-10-11T02:09:50+0000	2021-10-11	DNS	Test-Lab	0	0	Default Service Plan	Default VC	0	Network Operation		0	15	2654	1275
SSG	2021-10-11T02:09:50+0000	2021-10-11	Other UDP	Test-Lab	0	0	Default Service Plan	Default VC	0	Unclassified		0	1	15574	5235
SSG	2021-10-11T02:09:50+0000	2021-10-11	MMS-RDP-CLIENT	Test-Lab	0	0	Default Service Plan	Default VC	0	Terminals		0	0	37858	2444666
SSG	2021-10-11T02:09:50+0000	2021-10-11	HTTP_Browsing	Test-Lab	0	0	Default Service Plan	Default VC	0	Web Applications		0	2	6667	3086
SSG	2021-10-11T02:09:50+0000	2021-10-11	Advertisements	Test-Lab	0	0	Default Service Plan	Default VC	0	Web Applications		0	1	8020	2151
SSG	2021-10-11T02:09:50+0000	2021-10-11	Other UDP	Test-Lab	0	0	Fallback	Fallback	0	Unclassified		0	0	696	0
SSG	2021-10-11T02:09:50+0000	2021-10-11	DHCPv6	Test-Lab	0	0	Fallback	Fallback	0	Network Operation		0	0	161	0
SSG	2021-10-11T02:09:50+0000	2021-10-11	UC Browser Datacen	Test-Lab	0	0	Default Service Plan	Default VC	0	VPNs and Anonymizers		0	1	15449	1941
SSG	2021-10-11T02:09:50+0000	2021-10-11	Youku	Test-Lab	0	0	Default Service Plan	Default VC	0	Streaming Applications		0	1	9568	1934
SSG	2021-10-11T02:09:50+0000	2021-10-11	WeChat	Test-Lab	0	0	Default Service Plan	Default VC	0	Instant Messaging Applicat		0	1	6255	1885
SSG	2021-10-11T02:09:50+0000	2021-10-11	ARP	UD	0	0	UD	UD	0		-1	0	0	320	64



CONV\_RTU



# 实时会话记录CONV

Enfor	PeriodStartTime	PeriodEndTime	ClientIP	ServerIP	ServiceID	LiveConne	NewConne	PacketsIr	PacketsOu	OctetsIn	OctetsOut	NetworkAc	Retransmi	TotalTcp	Retransmi	TotalTcp	Rt
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:192.168.16.1	HTTP_Browsing	3	0	0	0	155886	1524199	300	0	719	0	1203	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:192.168.16.1	HTTP_Browsing	2	10	0	0	8545	6165	300	0	60	0	50	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:119.96.1.1	HTTPS	2	5	0	0	24330	16751	259	1	73	0	84	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:103.10.1.1	HTTPS	4	21	0	0	29949	197357	300	0	214	10	285	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:119.14.1.1	HTTPS_Streaming	0	0	0	0	0	950	22	0	0	1	2	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:103.10.1.1	HTTPS	2	21	0	0	25812	179301	153	0	199	0	259	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:183.47.1.1	HTTPS	1	2	0	0	8835	7786	95	0	28	9	39	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:35.244.1.1	HTTPS	1	1	0	0	5046	3371	86	0	17	6	25	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:172.21.1.1	HTTPS	0	8	0	0	0	2800	76	0	0	32	40	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:192.168.16.1	MS-RDP-CLIENT	1	0	0	0	1111068	51936920	300	0	0	0	0	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:192.168.16.1	MS-RDP-CLIENT	1	0	0	0	809765	331207	300	6	7745	1	4564	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:58.63.1.1	HTTPS	2	5	0	0	15651	9969	75	2	57	1	57	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:18.65.1.1	HTTPS	3	6	0	0	38056	22353	155	10	82	47	112	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:27.148.1.1	HTTPS_Streaming	1	2	0	0	3920993	28026	188	68	2640	0	362	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:14.18.1.1	HTTPS	1	2	0	0	10599	8415	268	1	32	0	38	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:211.15.1.1	HTTPS_Streaming	0	5	0	0	27342	6190	81	0	43	0	45	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:183.60.1.1	HTTPS	1	1	0	0	139191	5559	60	4	119	0	45	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:103.10.1.1	HTTPS	1	2	0	0	7936	10671	50	2	20	0	24	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:34.107.1.1	HTTP_Browsing	2	4	0	0	7384	8596	253	0	64	26	70	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:125.94.1.1	HTTPS	0	1	0	0	9484	3165	25	0	15	5	24	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:110.24.1.1	HTTP	0	3	0	0	1685	7468	37	2	23	0	25	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:180.10.1.1	HTTPS	7	44	0	0	1350557	259922	214	84	1707	4	828	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:27.148.1.1	HTTPS_Streaming	1	1	0	0	38248591	395828	270	2128	25394	0	5433	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:216.58.1.1	GoogleServices	0	1	0	0	134	849	28	0	2	2	5	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:36.110.1.1	HTTPS	0	1	0	0	6549	3474	26	0	13	0	12	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:110.43.1.1	HTTPS	0	1	0	0	4557	3581	20	0	10	0	10	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:183.60.1.1	HTTPS	1	6	0	0	9042	12053	197	1	67	3	72	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:34.117.1.1	HTTPS	1	1	0	0	2210	2466	68	1	18	0	18	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:180.16.1.1	GoogleServices	1	2	0	0	18080	4982	116	0	42	4	29	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:47.114.1.1	HTTPS	0	1	0	0	5656	1808	24	0	11	0	11	
SSG	2021-10-11T02:05:00	2021-10-11T02:05:00	0::FFFF:192.168.0.1	0::FFFF:114.21.1.1	HTTPS	0	2	0	0	12906	3137	26	0	27	0	20	



CONV



# 实时会话记录HDR

Enforce	StartTime	Subscribe	Session	ClientIP	ClientPort	ServerIP	ServerPort	ServiceID	HTTPMethod	RequestHeader.Host
SSG	2021-10-11T02:05:13+0000	allot.la	1	0::FFFF:192.168.200.	49842	0::FFFF:104.77.62.18	80	MS Services	POST	go.microsoft.com
SSG	2021-10-11T02:05:14+0000	allot.la	1	0::FFFF:192.168.200.	49843	0::FFFF:104.77.62.18	80	MS Services	POST	go.microsoft.com
SSG	2021-10-11T02:05:18+0000	allot.la	1	0::FFFF:192.168.200.	62866	0::FFFF:20.86.173.25	80	MS Services	POST	dmd.metaservices.microsoft.com
SSG	2021-10-11T02:05:27+0000	allot.la	1	0::FFFF:192.168.200.	52788	0::FFFF:103.107.219.	443	HTTPS		wlog.gifshow.com
SSG	2021-10-11T02:05:26+0000	allot.la	1	0::FFFF:192.168.200.	62866	0::FFFF:20.86.173.25	80	MS Services	POST	dmd.metaservices.microsoft.com
SSG	2021-10-11T02:05:28+0000	allot.la	1	0::FFFF:192.168.200.	58587	0::FFFF:180.101.49.2	443	HTTPS		pos.baidu.com
SSG	2021-10-11T02:05:27+0000	allot.la	1	0::FFFF:192.168.200.	52789	0::FFFF:13.227.66.61	443	Generic CDN		content-signature-2.cdn.mozilla.net
SSG	2021-10-11T02:05:27+0000	allot.la	1	0::FFFF:192.168.200.	58586	0::FFFF:103.102.200.	443	HTTPS		www.kuaishou.com
SSG	2021-10-11T02:05:26+0000	allot.la	1	0::FFFF:192.168.200.	52718	0::FFFF:183.60.208.2	443	HTTPS		n.sinaing.cn
SSG	2021-10-11T02:05:26+0000	allot.la	1	0::FFFF:192.168.200.	52717	0::FFFF:58.63.238.25	443	HTTPS		hq.sinajs.cn
SSG	2021-10-11T02:05:29+0000	allot.la	1	0::FFFF:192.168.200.	59173	0::FFFF:103.102.200.	443	HTTPS		log-sdk.ksapisrv.com
SSG	2021-10-11T02:05:28+0000	allot.la	1	0::FFFF:192.168.200.	58588	0::FFFF:13.227.66.8	443	Generic CDN		firefox-settings-attachments.cdn.mozilla.net
SSG	2021-10-11T02:05:28+0000	allot.la	1	0::FFFF:192.168.200.	58589	0::FFFF:13.227.66.8	443	Generic CDN		firefox-settings-attachments.cdn.mozilla.net
SSG	2021-10-11T02:05:15+0000	allot.la	1	0::FFFF:192.168.200.	49845	0::FFFF:18.65.100.34	443	HTTPS		firefox.settings.services.mozilla.com
SSG	2021-10-11T02:05:31+0000	allot.la	1	0::FFFF:192.168.200.	59175	0::FFFF:119.96.200.2	443	HTTPS		data.vod.itc.cn
SSG	2021-10-11T02:05:31+0000	allot.la	1	0::FFFF:192.168.200.	59174	0::FFFF:27.148.198.6	443	HTTPS_Streaming		724-7.vod.tv.itc.cn
SSG	2021-10-11T02:05:31+0000	allot.la	1	0::FFFF:192.168.200.	59176	0::FFFF:27.148.198.2	443	HTTPS_Streaming		724-3.vod.tv.itc.cn
SSG	2021-10-11T02:06:36+0000	allot.la	1	0::FFFF:192.168.200.	57447	0::FFFF:103.102.200.	443	HTTPS		wlog.gifshow.com
SSG	2021-10-11T02:06:36+0000	allot.la	1	0::FFFF:192.168.200.	50872	0::FFFF:103.102.200.	443	HTTPS		wlog.gifshow.com
SSG	2021-10-11T02:06:36+0000	allot.la	1	0::FFFF:192.168.200.	58953	0::FFFF:103.102.200.	443	HTTPS		wlog.gifshow.com
SSG	2021-10-11T02:06:37+0000	allot.la	1	0::FFFF:192.168.200.	50812	0::FFFF:103.107.219.	443	HTTPS		log-sdk.ksapisrv.com
SSG	2021-10-11T02:07:12+0000	allot.la	1	0::FFFF:192.168.200.	60857	0::FFFF:49.7.37.16	443	HTTPS		interface.sina.cn
SSG	2021-10-11T02:07:12+0000	allot.la	1	0::FFFF:192.168.200.	60854	0::FFFF:119.84.174.7	443	HTTPS		src3.leju.com
SSG	2021-10-11T02:07:12+0000	allot.la	1	0::FFFF:192.168.200.	60853	0::FFFF:119.84.174.8	443	HTTPS		src1.leju.com
SSG	2021-10-11T02:07:12+0000	allot.la	1	0::FFFF:192.168.200.	60852	0::FFFF:49.7.36.100	443	HTTPS		sbeacon.sina.com.cn
SSG	2021-10-11T02:07:09+0000	allot.la	1	0::FFFF:192.168.200.	60844	0::FFFF:49.7.36.100	443	HTTPS		sbeacon.sina.com.cn
SSG	2021-10-11T02:07:26+0000	allot.la	1	0::FFFF:192.168.200.	64841	0::FFFF:103.107.219.	443	HTTPS		wlog.gifshow.com
SSG	2021-10-11T02:07:38+0000	allot.la	1	0::FFFF:192.168.200.	53700	0::FFFF:59.111.242.1	80	HTTP_Browsing	GET	videimg.nos-jd.163yun.com
SSG	2021-10-11T02:07:37+0000	allot.la	1	0::FFFF:192.168.200.	64895	0::FFFF:110.167.163.	80	HTTP_Browsing	GET	cms-bucket.ws.126.net
SSG	2021-10-11T02:07:50+0000	allot.la	1	0::FFFF:192.168.200.	58183	0::FFFF:180.101.49.2	443	HTTPS		pos.baidu.com
SSG	2021-10-11T02:07:44+0000	allot.la	1	0::FFFF:192.168.200.	53725	0::FFFF:115.236.118.	443	HTTPS		hex.163.com



HDR







# 可视化

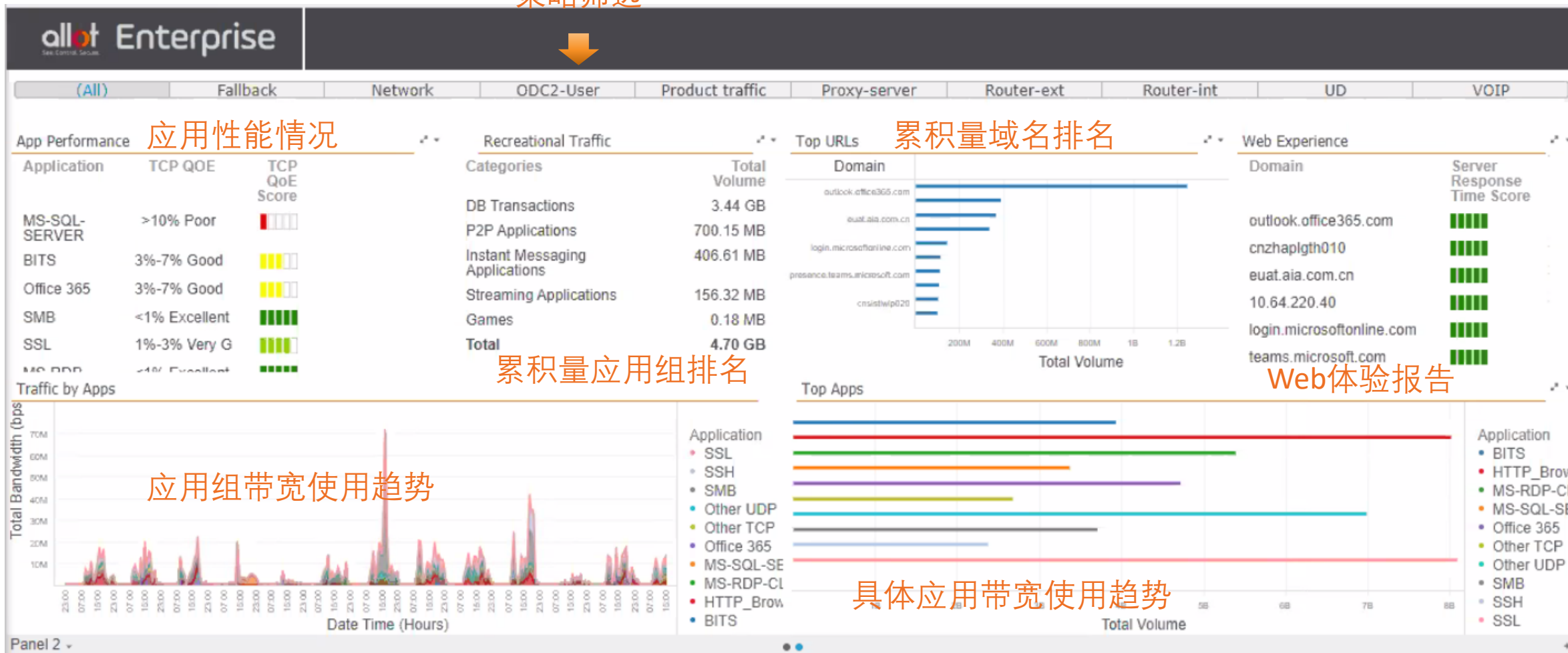
## 大数据分析报表系统

# 案例报表说明

- 由于测试环境限制，部分案例报表未在本次测试中体现
- 此处部分数据采集与近期其他最近同类型客户现网数据报表
- 此部分报表和测试设备型号和版本相同
- 报表数据为模板数据可以在数据监控系统中复现

# ClearSee - 自定义报告-全局一览图形报表

策略筛选



应用组带宽使用趋势

累积量应用组排名

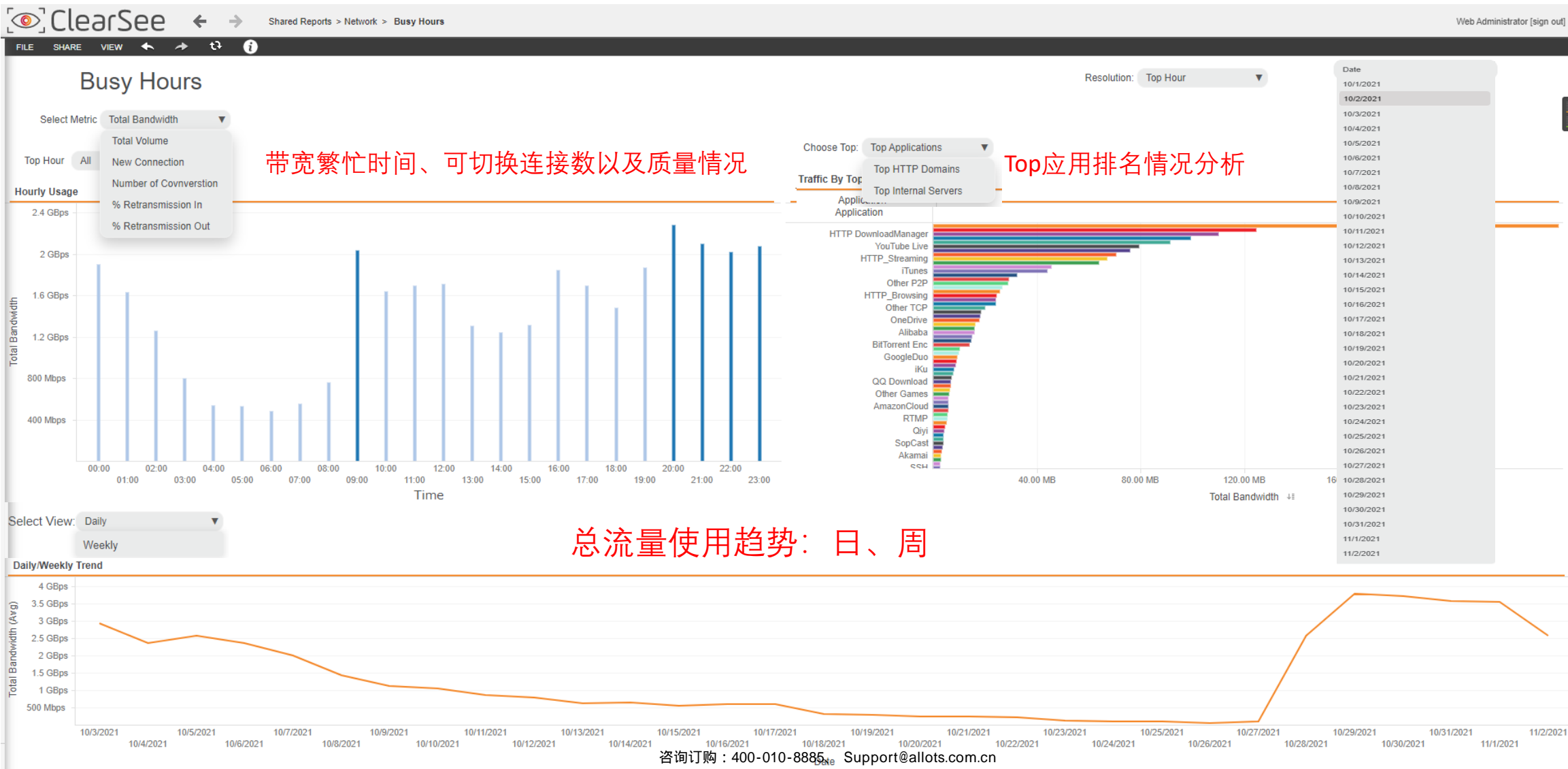
累积量域名排名

Web体验报告

具体应用带宽使用趋势



# 进出总流量（过去天、周、月）及使用趋势



# ClearSee -Top应用分布情况及对应域名

可筛选时间和用户类型来查看



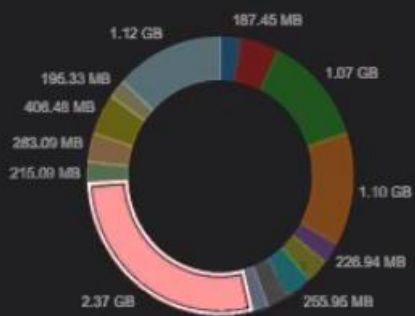
详细访问信息以及质量情况



# ClearSee - Top用户\主机 分布情况及对应域名

## Top Users

### 主机流量占比情况



### Host Internal

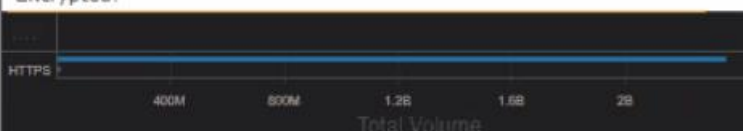
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62
- 10.64.220.62

## Top Applications

### 具体应用流量占比情况



### Encrypted?



## Top Domains

### 访问域名的流量排名



## Traffic Details

Application	Domain	Host Internal	Host External	Server Response Time	Avg Response Time (sec)	Number of Page Views	Number of Visits	Session Duration RAW	Total Volume
SSL	cstest.aia.com.cn	10.64.220.62	10.64.134.20	Excellent 5 0-1 seconds	2	0	16,537	4,454,856	1.77 GB
HTTP_Browsing	shadcuwjnk01	10.64.220.62	10.130.101.119	Excellent 5 0-1 seconds	10	169	653	419	509.19 MB



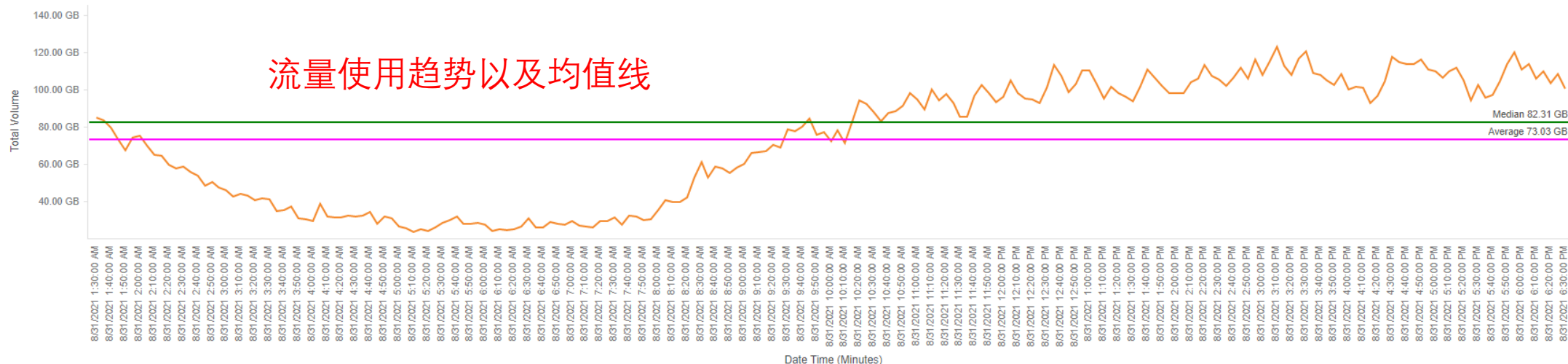
# 大数据报表部分-网络使用量及趋势

## Network Usage

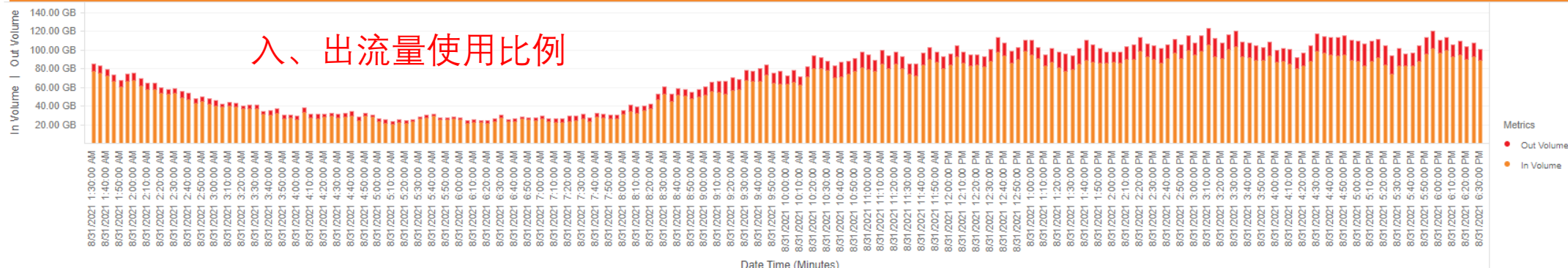
From 08/31/21 1:30 To 08/31/21 18:30

Display By: Total Volume

Resolution: Raw



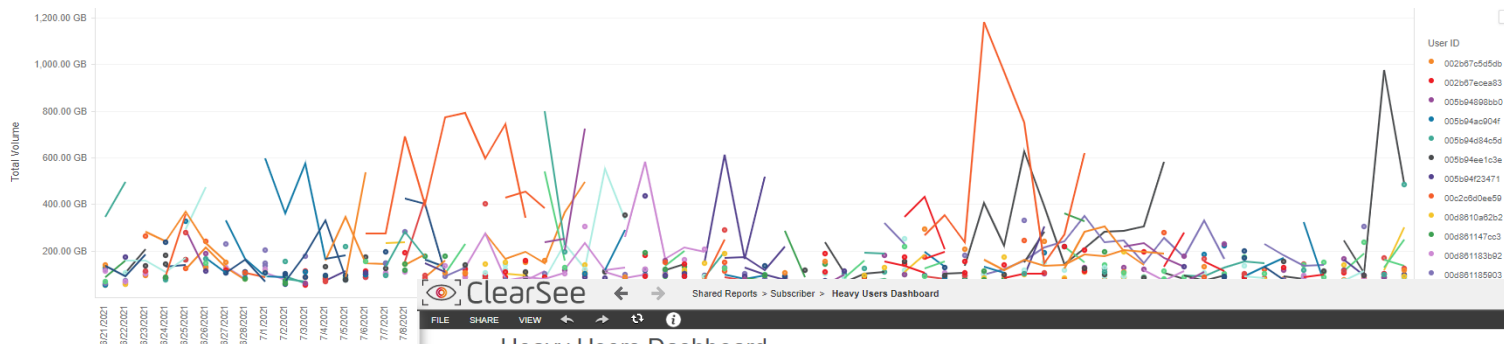
## In vs Out Volume



# 大数据报表-Top用户账号及用户使用统计

## Heavy Users Trend - Daily Resolution

From 06/21/2021 To 08/29/2021

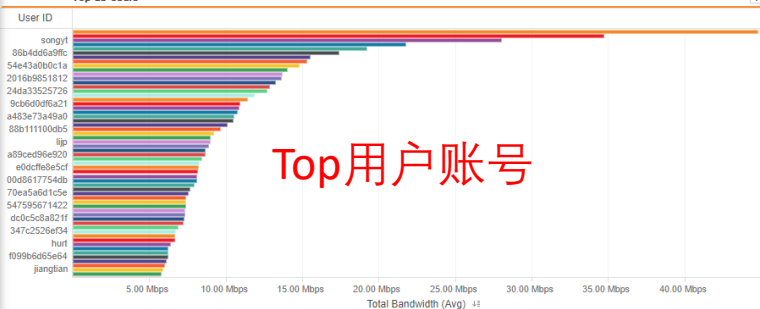


Top用户带宽使用分布情况

User ID	Monthly Volume	Connections
d89b3b119d51	5.19 TB	375.6K
005b94ee1c3e	2.92 TB	217.0K
ac1f6be65f03	2.57 TB	71.5K
donghy	1.66 TB	162.8K
da9cc42eb3b7	1.39 TB	419.1K
24da33525726	1.18 TB	8.1M
787b8a746e4d	1.08 TB	218.4K
34e6ad6cd9c3	1.05 TB	2.8M
a4bb6db041a	1.05 TB	210.2K
c46516bca0d7	1.02 TB	126.4K
hnaN4r-3A73A	0.65 TB	430.4K

## Heavy Users Dashboard

### Top 15 Users



Top用户账号

### User Statistics for top 15 Users / Selected User

Metrics	Top User
Total Bandwidth (Avg)	17.36 Mbps
In Bandwidth (Avg)	13.81 Mbps
Out Bandwidth (Avg)	3.55 Mbps
Activity Time per User (Sec)	2,563,458

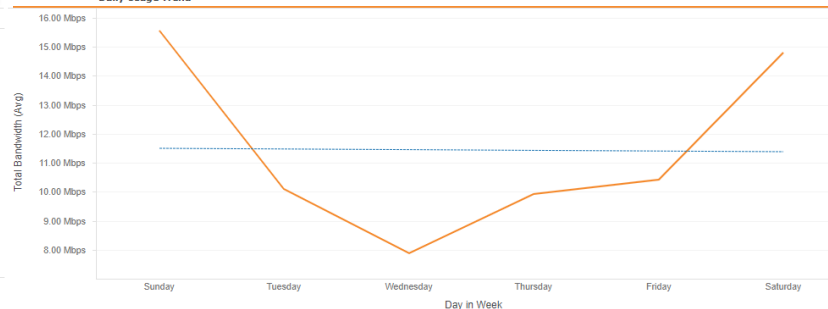
Top15用户带宽占比

### User Statistics for all

Typical User	Typical User
Total Bandwidth (Avg)	935.70 Kbps
In Bandwidth (Avg)	798.20 Kbps
Out Bandwidth (Avg)	137.51 Kbps
Activity Time (Sec)	1,268,619

Display By: Total Volume

### Daily Usage Trend



### Top Applications



Top用户应用分布





# 指定主机的监控



相关应用选择

相关用户对应的带宽、连接、以及应用分布

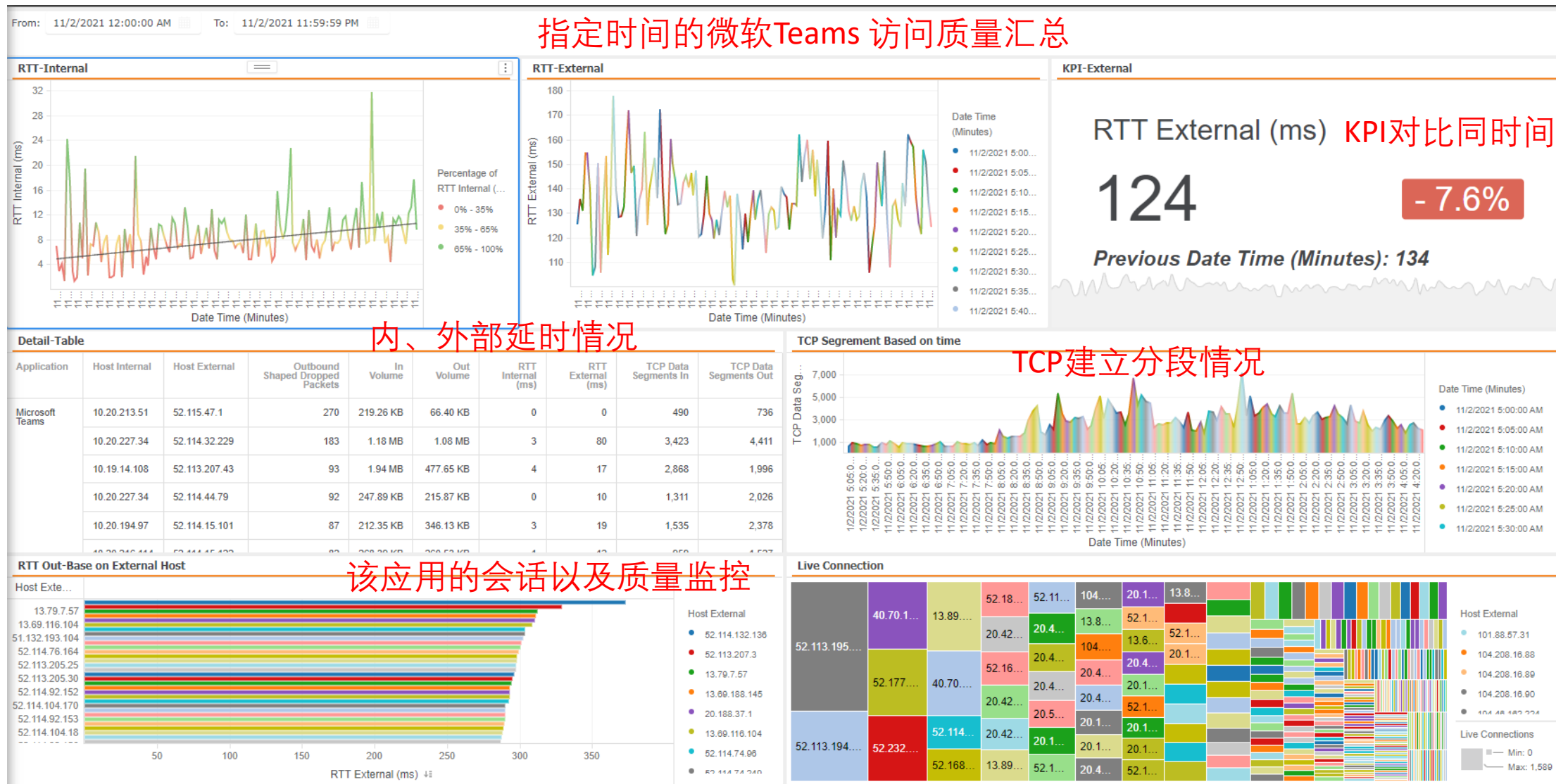
相关策略匹配情况

相关用户对应的访问质量、QOS控制情况

过滤选择用户地址, 应用情况



# 指定应用访问质量跟踪分析



# 基于用户，应用，部门，IP地址段等的应用，流量查看

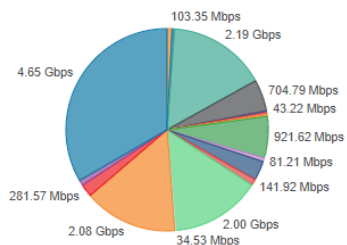


# 大数据报表-应用及其使用趋势

## Application Usage

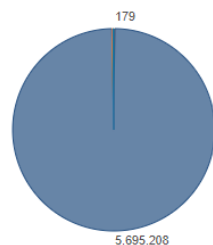
Resolution: Daily

Bandwidth by Application Group

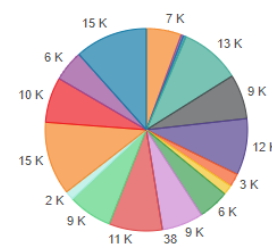


Total Bandwidth - 13.91 Gbps

Activity Time per User (min) by Application Group



Unique Users by Application Group



Total Unique Users - 18 K

- Application Group
- Business Applications
- Cryptocurrencies
- DB Transactions
- File Systems
- File Transfer
- Games
- Instant Messaging Applications
- IoT
- Mail
- Music Streaming
- Network Operation
- Other
- P2P Applications
- Security

## Network Activity and Traffic by Application

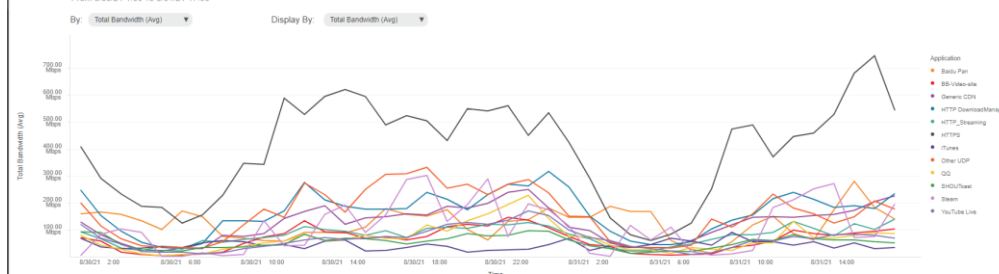
Application	Application Group	Total Bandwidth (Sum)	Activity Time per User (min)
HTTPS	Web Applications	2.64 Gbps	4,760
Other UDP	Unclassified	1.17 Gbps	5,030
HTTP DownloadManager	File Transfer	979.64 Mbps	135
Generic CDN	Web Applications	877.69 Mbps	207
HTTP_Streaming	Streaming Applications	560.40 Mbps	64
Steam	Games	551.99 Mbps	164
SHOUTcast	Music Streaming	511.94 Mbps	105
YouTube Live	Streaming Applications	474.89 Mbps	103
Baidu Pan	File Transfer	443.55 Mbps	68

### Application Scoreboard 50 Movers by Bandwidth

Application	Rank	Rank Change LD	Total Bandwidth per User	Bandwidth per User Change LD	User Change LD
AmazonCloud	New	—	N/A	5.72 Kbps	N/A
Office 365 SharePoint	New	—	N/A	26.17 Kbps	N/A
Youku	New	—	N/A	5.44 Kbps	N/A
WebRTC	4	↑	44	22.21 Kbps	73%
RTMP	5	↓	-1	704.76 Kbps	-55%
HTTP	6	↑	23	2.28 Kbps	-52%
Other P2P	7	↑	9	21.20 Mbps	-51%
Thunder	8	↑	28	6.75 Kbps	51%
Quic Obfuscated	9	↑	14	7.56 Kbps	48%

## Applications Trend

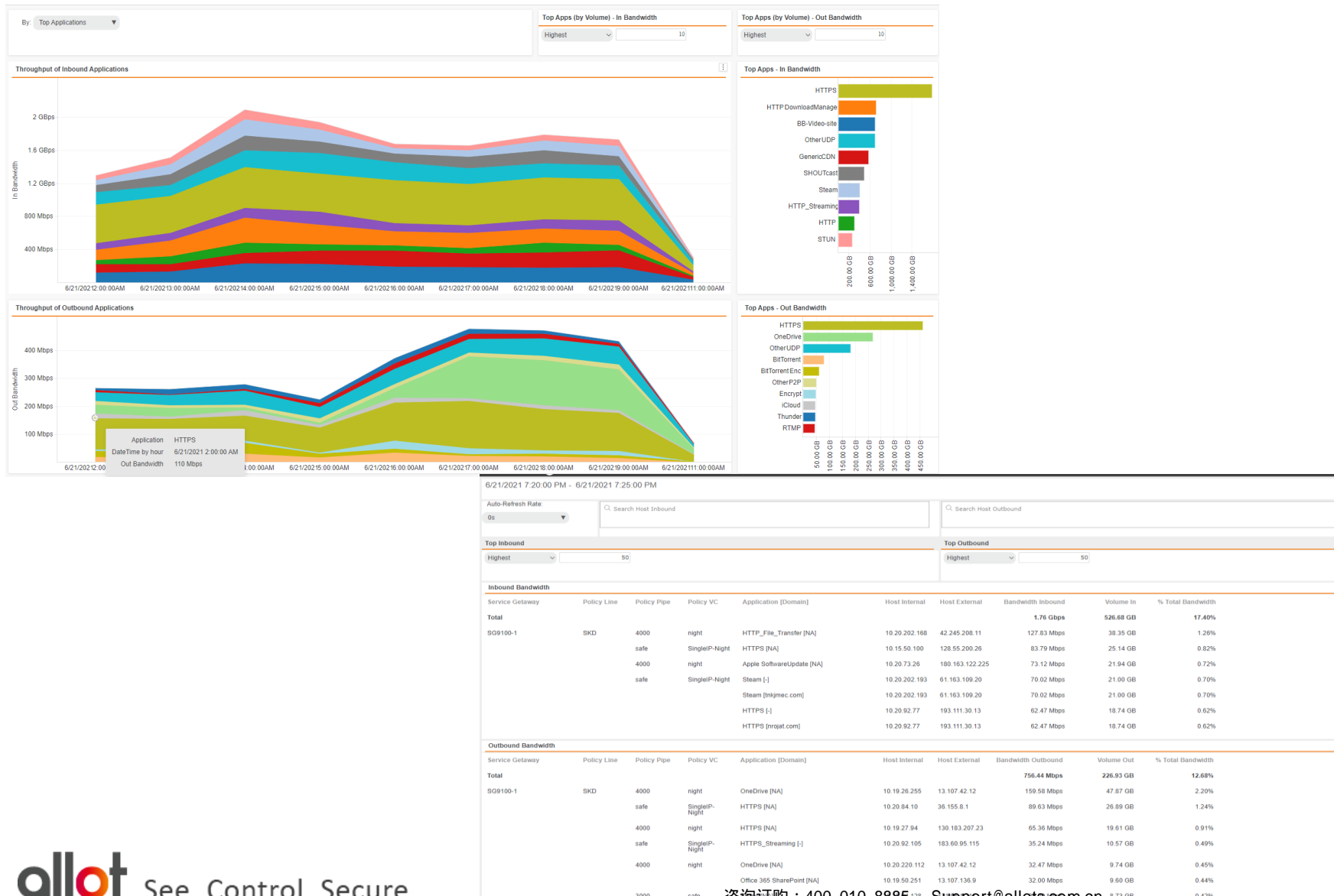
From 8/30/21 1:00 To 8/31/21 17:00



Application	Total Volume	In Volume	Out Volume	Hourly %Out of Total Volume	Total Bandwidth (Avg)	Unique Users (Avg)
HTTPS	7296.66 GB	6179.77 GB	1116.89 GB	18.74%	395.59 Mbps	6,237
HTTP DownloadManager	3015.16 GB	2972.23 GB	42.93 GB	7.74%	163.42 Mbps	639
Other UDP	2963.32 GB	2227.37 GB	735.95 GB	7.61%	160.61 Mbps	3,482
Baidu Pan	2305.67 GB	2021.98 GB	284.59 GB	5.92%	124.97 Mbps	443
Generic CDN	2277.43 GB	2152.92 GB	124.52 GB	5.85%	123.44 Mbps	2,854
Steam	2033.05 GB	1985.90 GB	47.15 GB	5.22%	110.19 Mbps	219
HTTP Streaming	1477.61 GB	1416.14 GB	61.47 GB	1.76%	65.96 Mbps	610



# 大数据报表-入、出应用分布



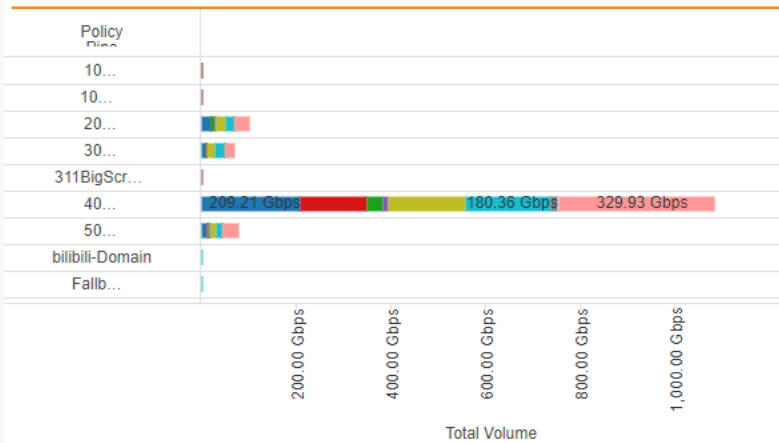
# 大数据报表-应用、主机、分布趋势

Auto-Refresh Rate | Rules

Auto-Refresh Rate: 0s

Rules: Policy Pipe

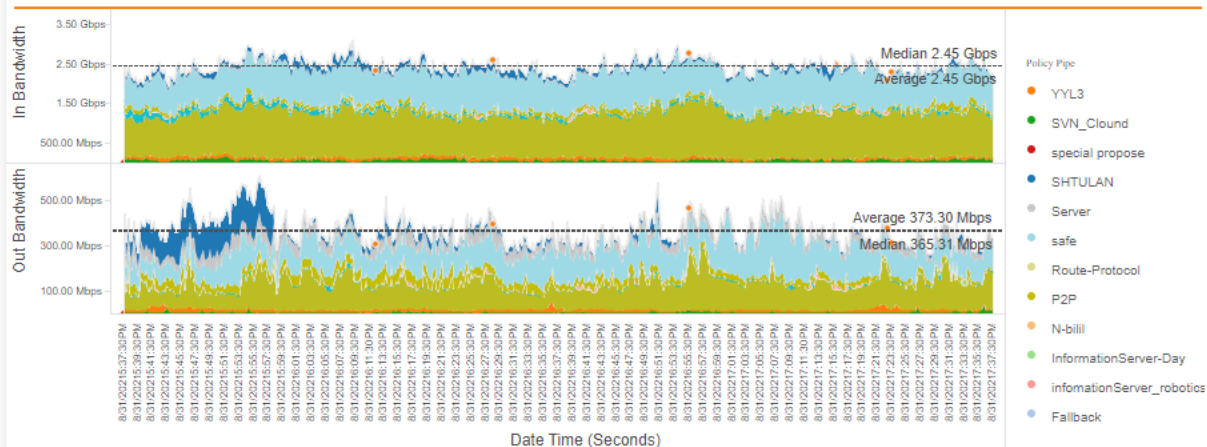
Policy Traffic Statistics Last 120 minutes



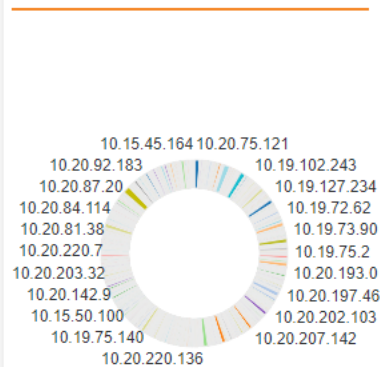
Application Group

- Web Applications
- VPNs and Anonymizers
- VoIP
- Unclassified
- Streaming Applications
- Security
- P2P Applications
- Music Streaming
- Games
- File Transfer

Five second Traffic Trend | by Policy Pipe



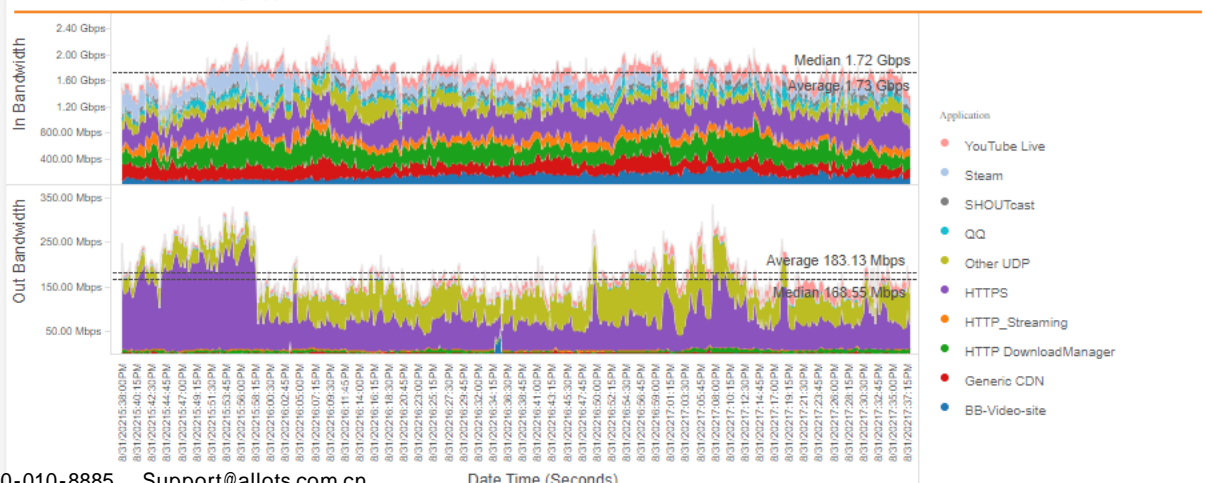
Most active internal user



Top Conversations

Host Internal	Host External	Application	Out Bandwidth	In Bandwidth
10.20.84.10	36.155.8.1	HTTPS	106.46 Mbps	1.23 Mbps
10.19.27.94	130.183.207.23	HTTPS	77.76 Mbps	1.33 Mbps
10.15.45.163	116.179.37.74	HTTPS	44.71 Mbps	3.62 Mbps
10.20.199.147	180.111.106.49	Other UDP	33.58 Mbps	911.18 Kbps
10.20.92.105	183.60.95.115	HTTPS	33.01 Mbps	750.24 Kbps
10.15.45.163	223.104.5.176	HTTPS	31.43 Mbps	596.23 Kbps
10.19.106.22	59.56.132.187	Other UDP	21.60 Mbps	997.60 Kbps
10.20.239.19	125.80.226.81	Other UDP	19.76 Mbps	1.33 Mbps
10.19.100.164	111.1.219.22	Other UDP	16.84 Mbps	539.40 Kbps

Five second Traffic Trend | by Application



# 大数据报表-访问质量及访问热点

## Most Active HTTP Domains

Resolution: Raw

From 8/31/21 3:30 to 8/31/21 18:50

Display By: Avg Unique Users (for 5mi)

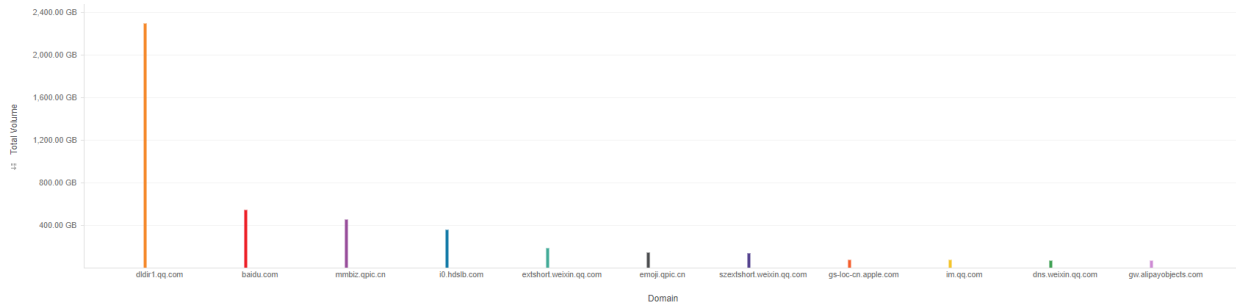


## Browsing QoE

Top by Unique Subscribers

Display by: Total Volume

Date Range: 08/21/2021 - 8/29/2021 Choose Date: Date

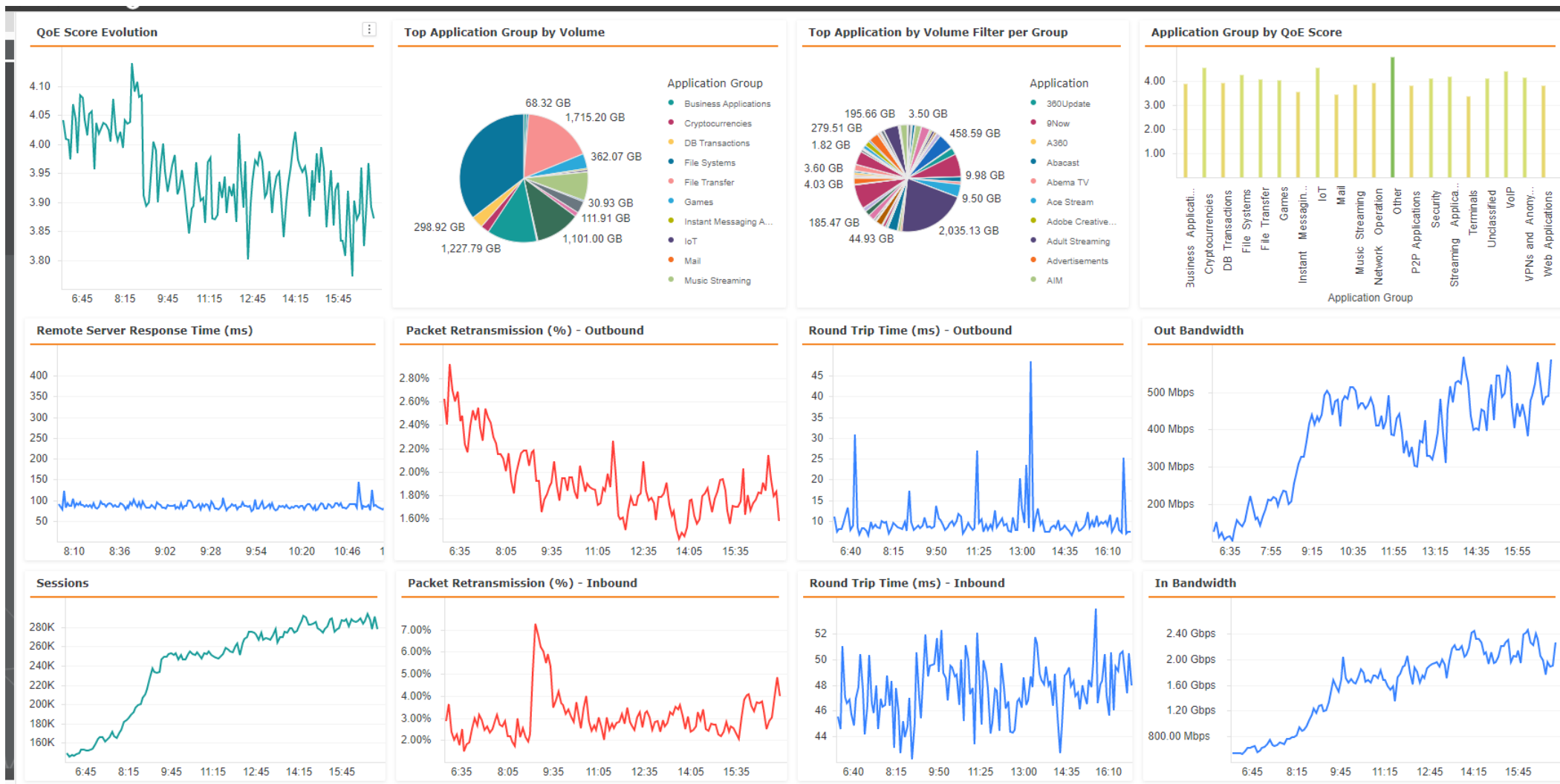


Domain	Median Response Time (ms)	Total Volume	Unique Subscribers
didir1.qq.com	3 ms	2297.96 GB	6,634
baidu.com	13 ms	543.96 GB	6,273
mmbiz.qpic.cn	5 ms	453.89 GB	7,322
i0.hdsib.com	17 ms	359.69 GB	4,679
extshort.weixin.qq.com	17 ms	184.61 GB	4,743
emoj.qpic.cn	16 ms	143.30 GB	4,649

- didir1.qq.com
- baidu.com
- mmbiz.qpic.cn
- i0.hdsib.com
- extshort.weixin.qq.com
- emoj.qpic.cn
- szextshort.weixin.qq.com
- gs-loc-cn.apple.com
- im.qq.com
- dns.weixin.qq.com
- gw.alipayobjects.com

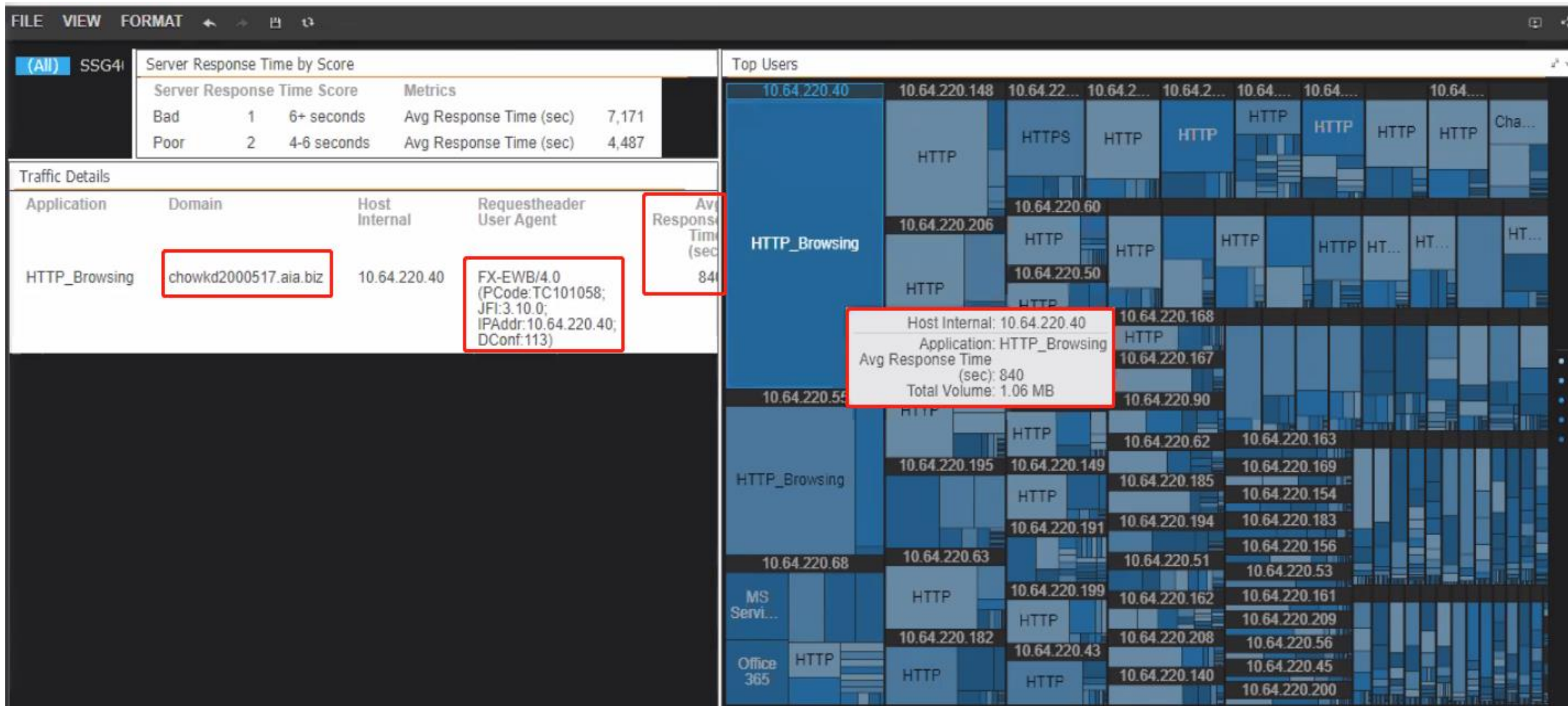


# 全局访问质量监控一览图





# ClearSee - 自定义报告-筛选访问质量较差的用户和应用

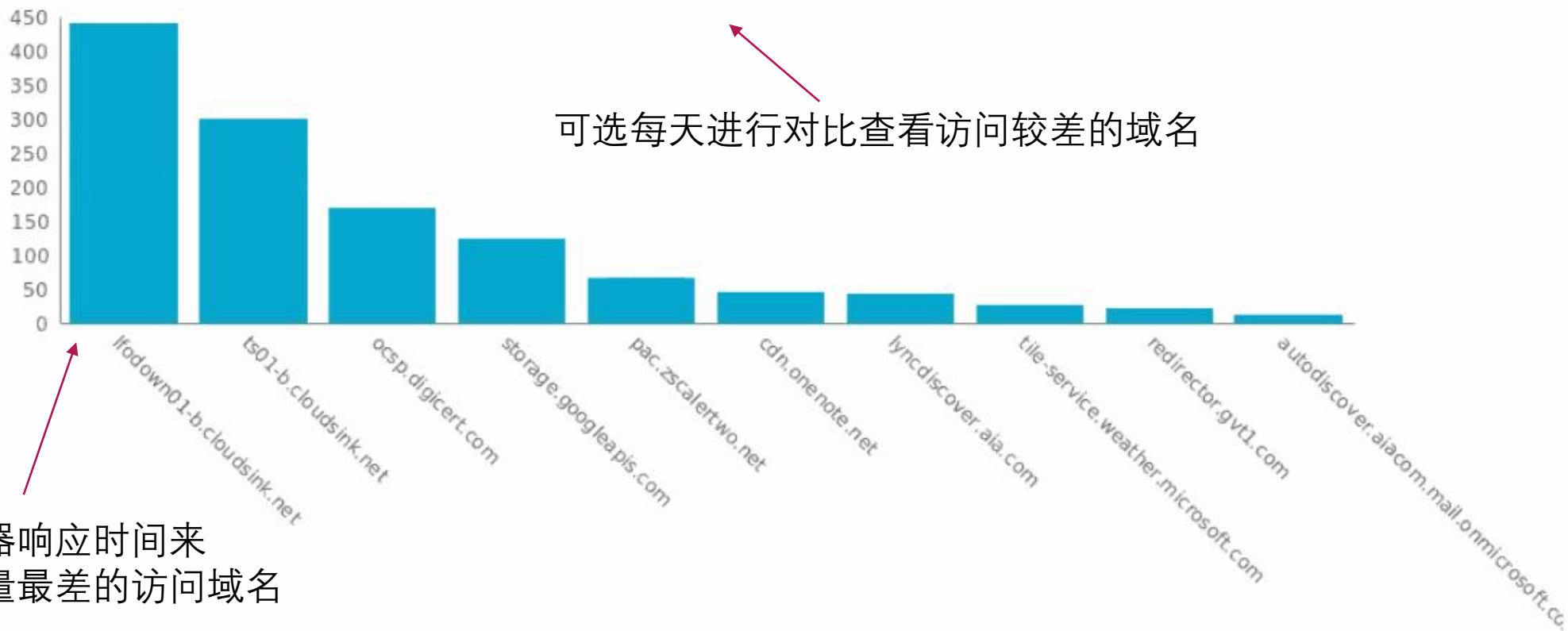


# ClearSee – 网页访问QOE

## Browsing QoE

Median Response Time (ms)

Date: 4/26/2020



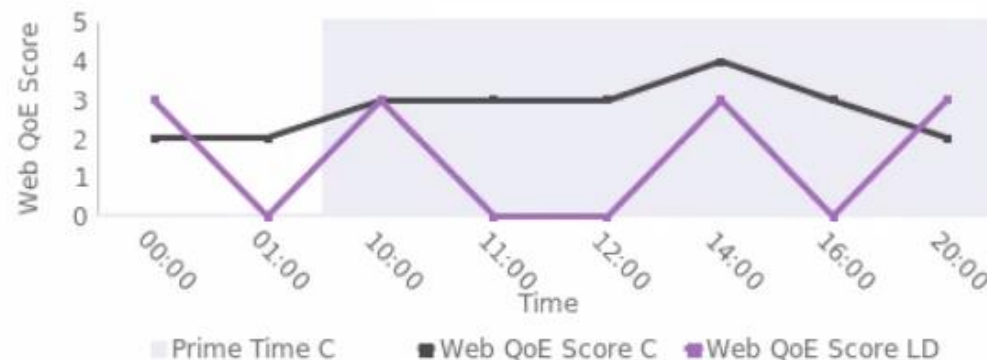
可选每天进行对比查看访问较差的域名

从服务器响应时间来  
排名质量最差的访问域名

# ClearSee – Web 体验和变化

Server Response Time Histogram Excellent

Response Time	Perceived Quality		% Event Count C		% Event Count LD	Unique Users C
0-1 seconds	Excellent	██████	99.8%	↑	99.7%	102
1-2 seconds	Good	█████	0.1%	↓	0.2%	66
2-4 seconds	Fair	████	0.1%	-	0.1%	78
4-6 seconds	Poor	███	0.0%	↓	0.0%	6
6+ seconds	Bad	██	0.0%	-	0.0%	1



## Top 50 Web Publishers QoE

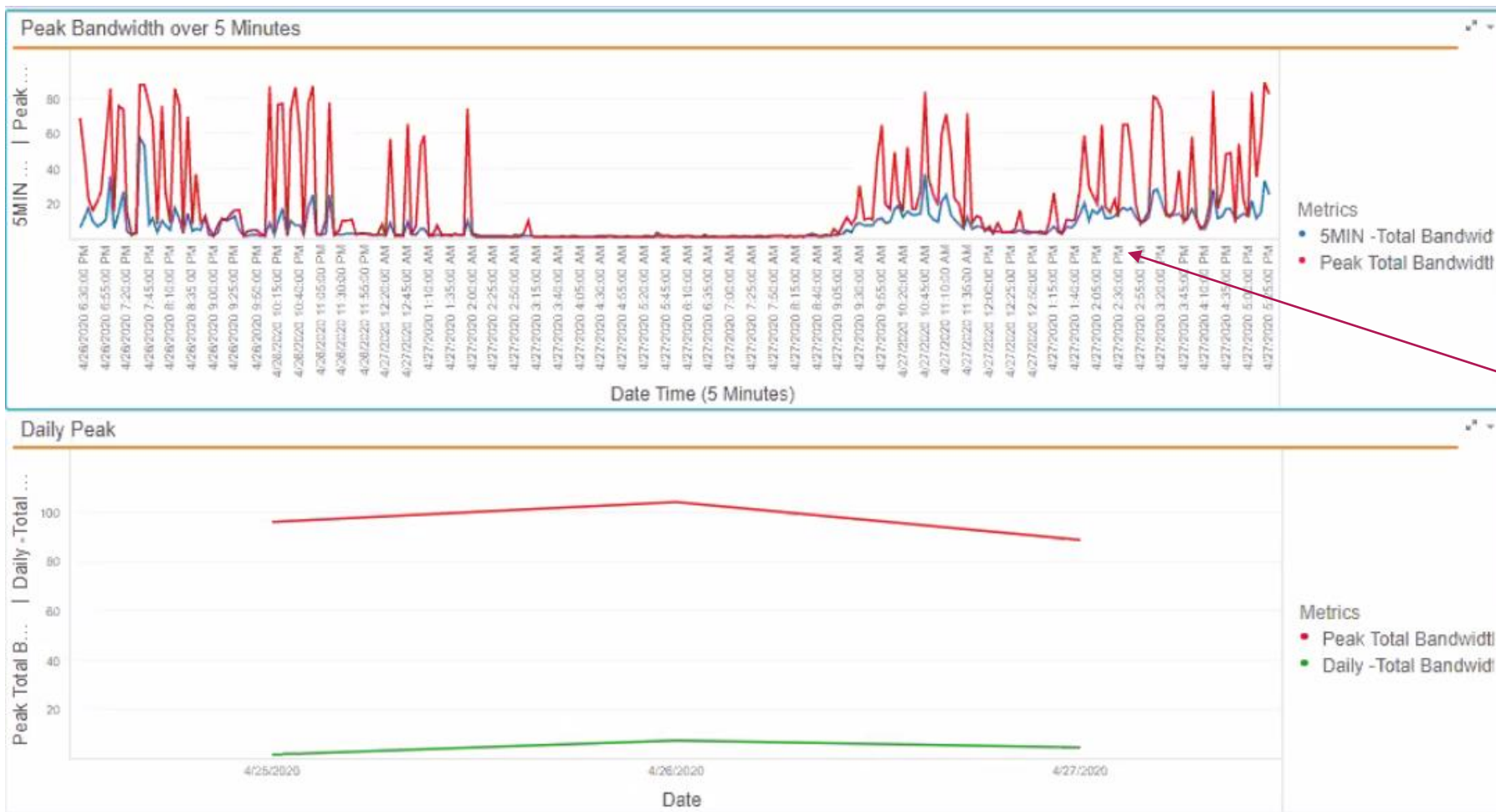
Domain	% Poor Response Time	% Poor Download Time	% HTTP Errors	Web QoE Score C	Web QoE Score LD	Unique Users C	Number of Page Views
pac.zscalertwo.net	-	-	-	Unavailable	↓ Excellent (<1%)	95	
shadcpwscm01ne.aia.biz	-	-	1%	Good (1-2%)	- Unavailable	94	38
ctldl.windowsupdate.com	-	-	-	Unavailable	- Unavailable	91	
gateway.zscalertwo.net	-	-	-	Unavailable	↓ Excellent (<1%)	90	
config.edge.skype.com	0%	0%	-	Excellent (<1%)	- Unavailable	89	

- (All)
- 34bcb65e-0c49-41c1-ad2f-c550b7
- aia.com.mail.onmicrosoft.com
- aiassologon.aia.com
- api.informationprotection.azure.co
- arc.msn.com
- armmf.adobe.com
- as-api.asm.skype.com
- as-prod.asyncgw.teams.microsoft.
- autodiscover-s.outlook.com

提示访问前后变化



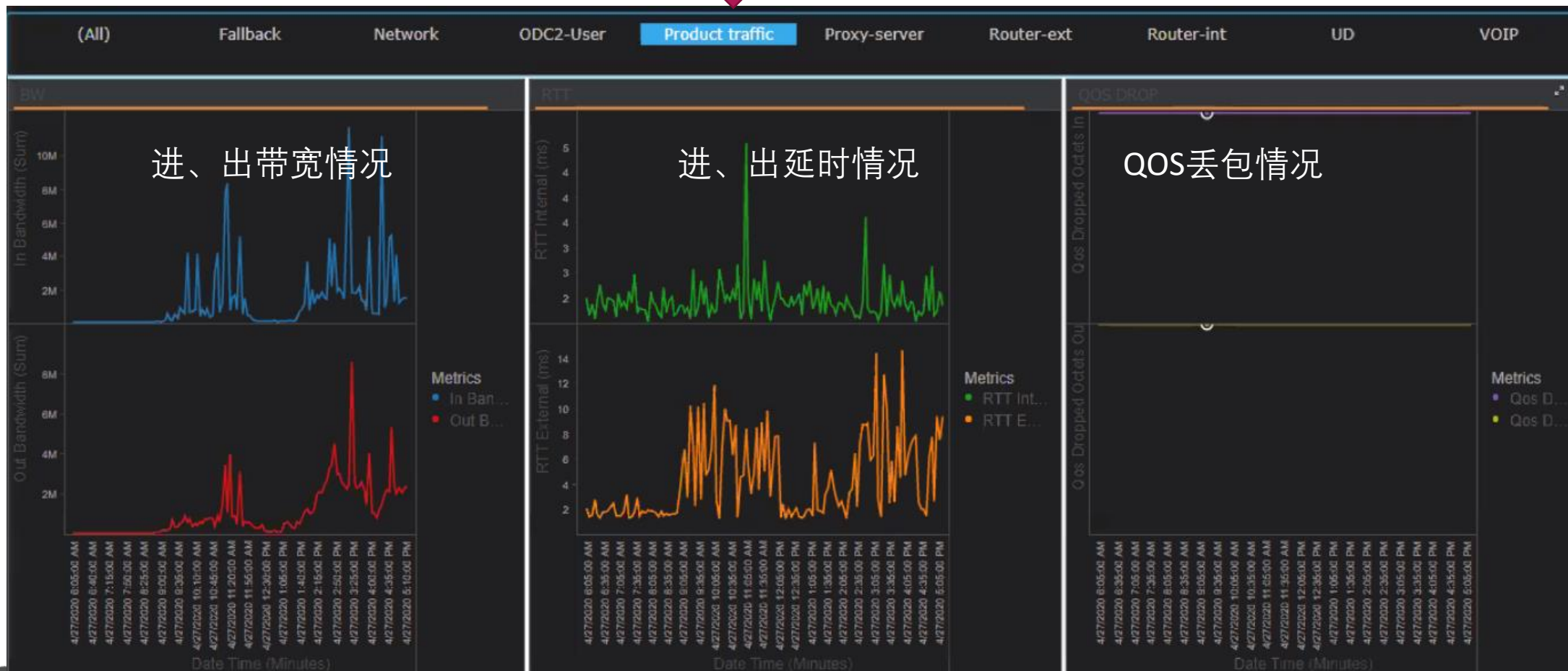
# ClearSee – 15秒一次采集的峰值报表



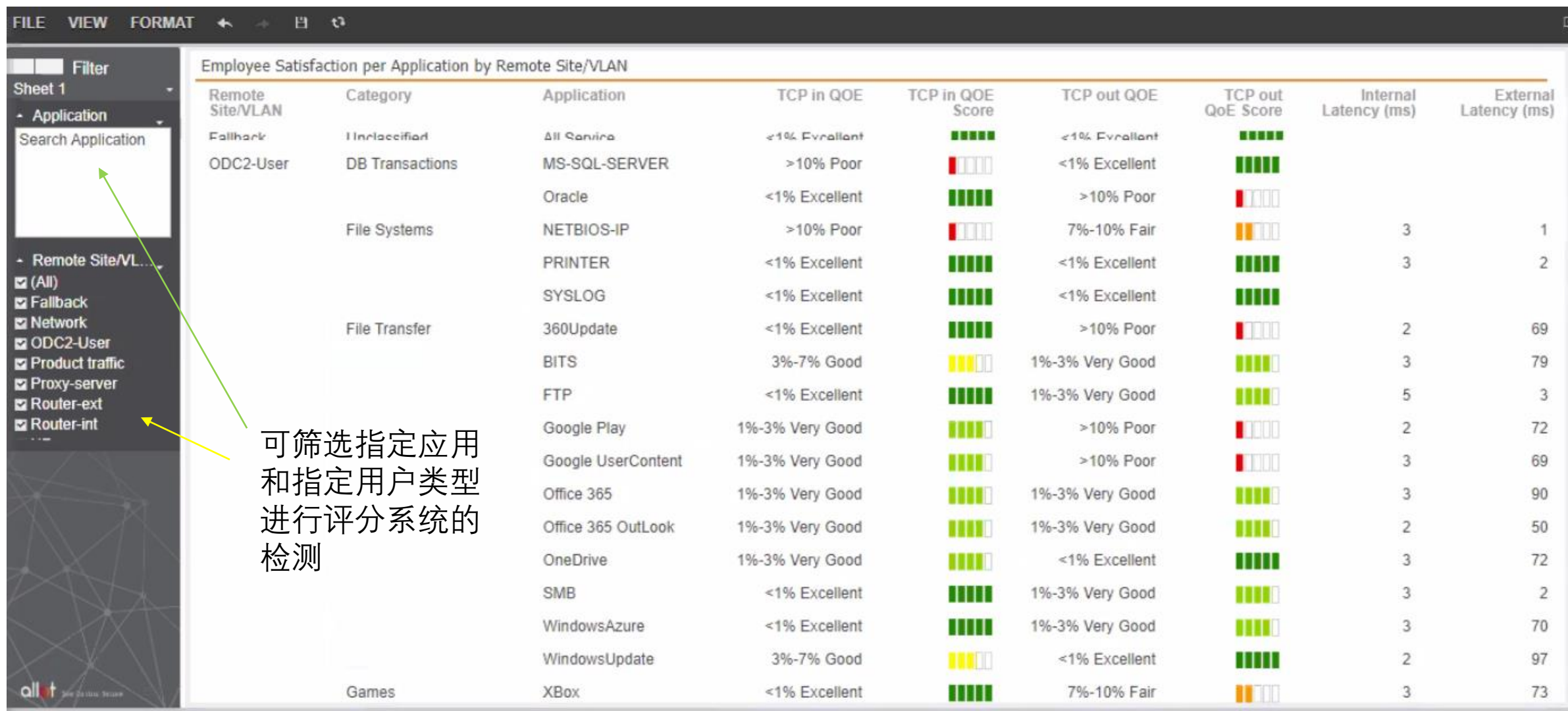
通过峰值查看网络中出现的带宽突发使用情况

# ClearSee - 自定义基于不同分支的带宽延时丢包预览

不同策略里面的不同流量选择 ↓



# ClearSee - 基于链路、区域、分支、应用的QOE监控

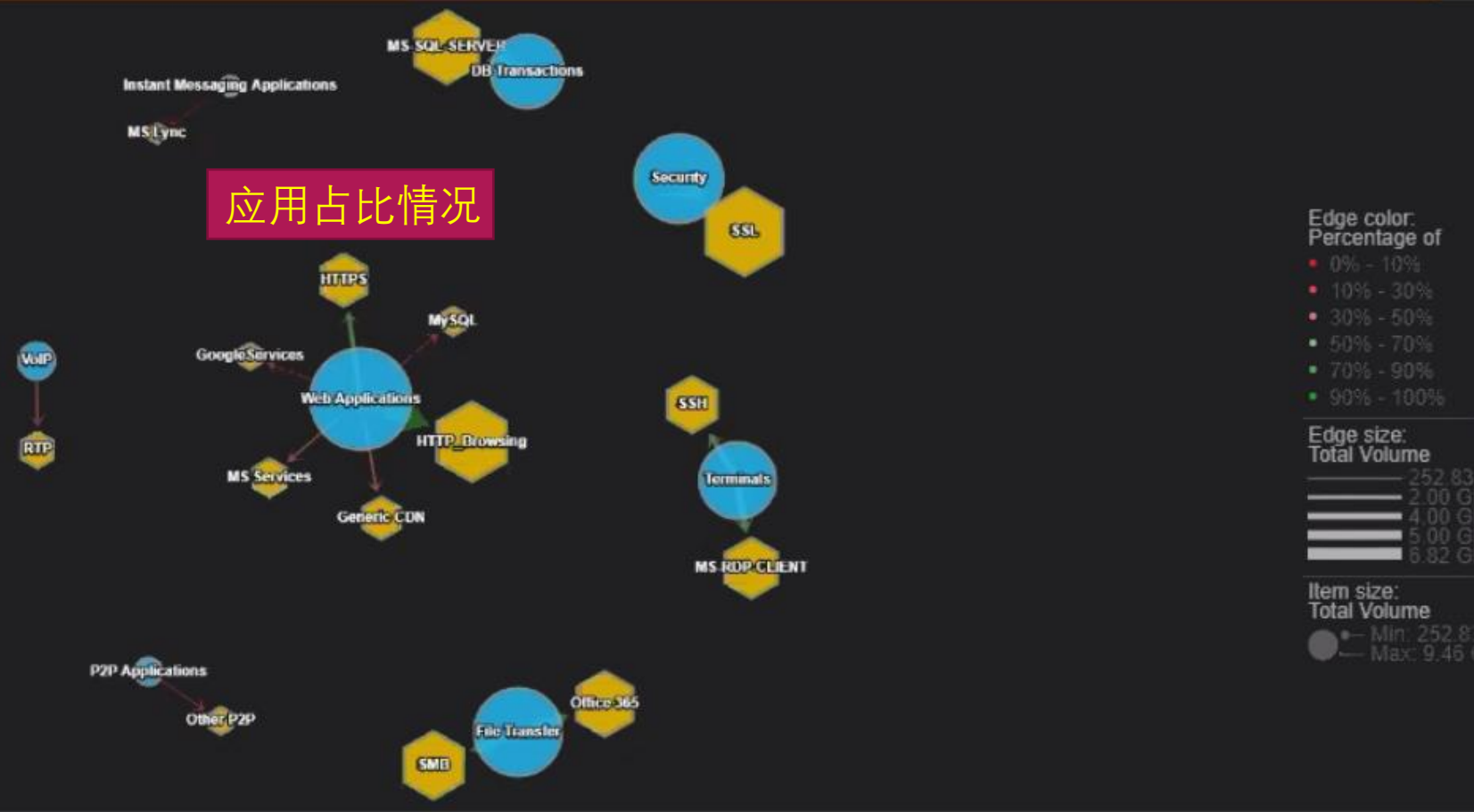


可筛选指定应用和指定用户类型进行评分系统的检测



# ClearSee - 自定义报告-用户QOE详细报表

应用占比情况





# THANK YOU

咨询订购：400-010-8885、 [Support@allots.com.cn](mailto:Support@allots.com.cn)