



校園應用程式使用統計

淡江大學

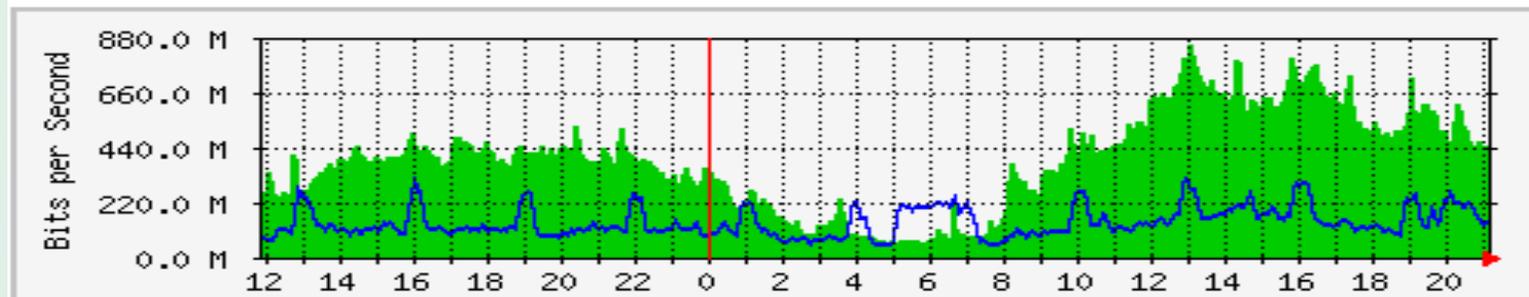
網路管理組

組長 蕭明清

淡江大學聯外網路使用趨勢

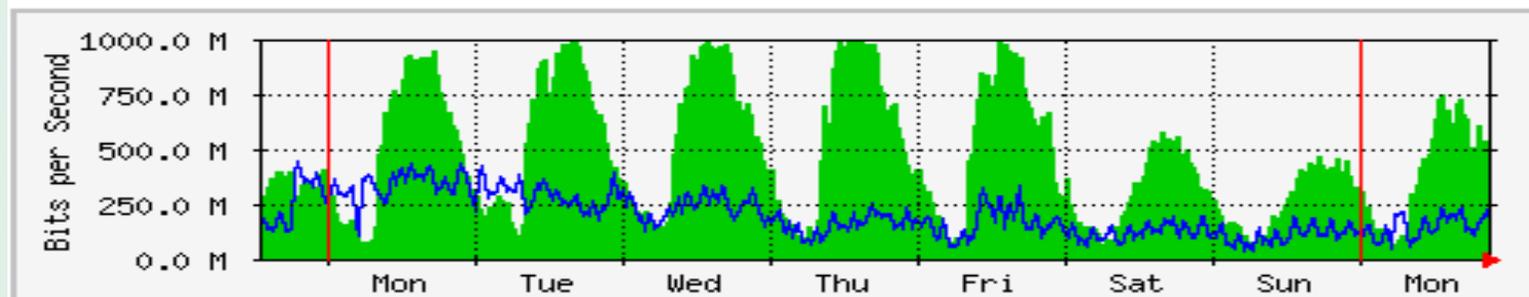


每日 圖表 (5 分鐘 平均)



| | 最大 | 平均 | 目前 |
|----|--------------------|--------------------|--------------------|
| 流入 | 850.5 Mb/秒 (85.0%) | 386.3 Mb/秒 (38.6%) | 425.4 Mb/秒 (42.5%) |
| 流出 | 315.5 Mb/秒 (31.6%) | 137.3 Mb/秒 (13.7%) | 132.4 Mb/秒 (13.2%) |

每週 圖表 (30 分鐘 平均)

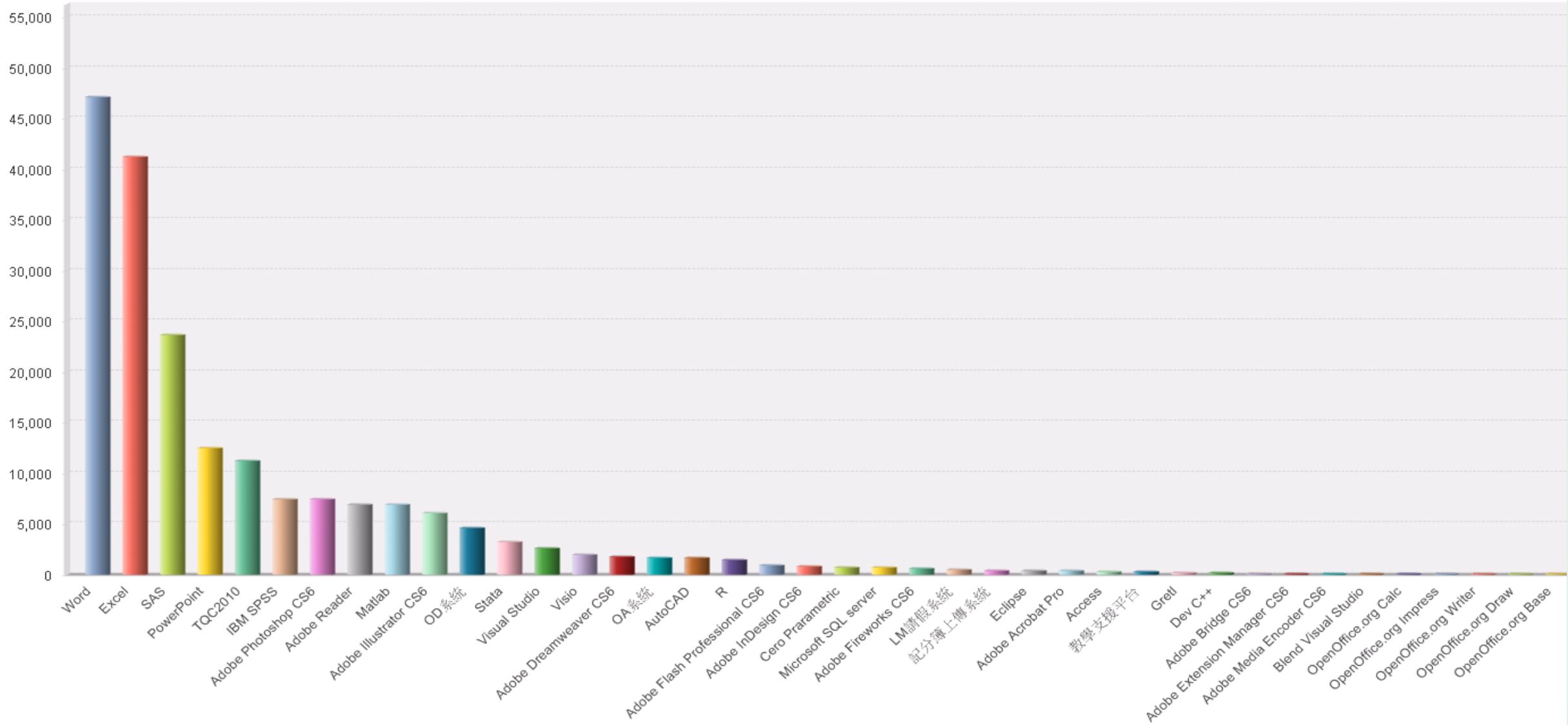


| | 最大 | 平均 | 目前 |
|----|--------------------|--------------------|--------------------|
| 流入 | 981.3 Mb/秒 (98.1%) | 455.3 Mb/秒 (45.5%) | 458.4 Mb/秒 (45.8%) |
| 流出 | 436.8 Mb/秒 (43.7%) | 194.0 Mb/秒 (19.4%) | 169.5 Mb/秒 (17.0%) |

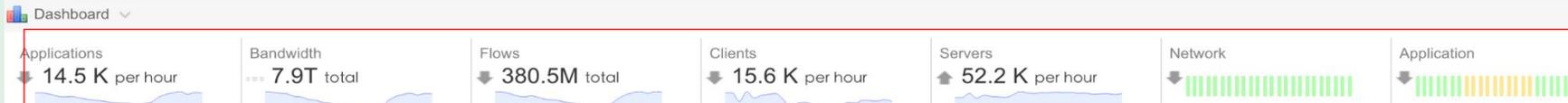
淡江大學軟體雲軟體使用統計



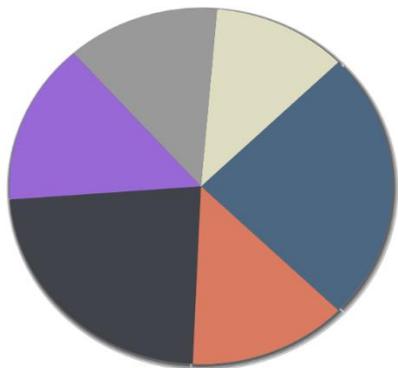
使用人次



校園網路應用、頻寬、使用趨勢



Top Application Groups - Today 2 PM - 3 PM

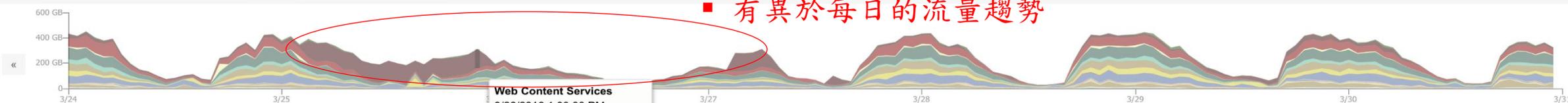


- All Others
- Cloud Storage
- Protocols
- Social Networking
- Streaming
- Web Applications

| Application | Group | Flows(Total) | Bytes(Total) | Clients(Avg) | Network Response(Avg) | Application Response(A) |
|---------------------|-----------------------|--------------|--------------|--------------|-----------------------|-------------------------|
| YouTube | Streaming | 230591 | 63.58 GB | 2664 | 18.1ms | 20ms |
| QUIC | Protocols | 77946 | 37.61 GB | 2261 | | |
| Facebook | Social Networking | 980182 | 35.68 GB | 6339 | 21.4ms | 28.2ms |
| Google User Content | Cloud Storage | 78743 | 26.10 GB | 3132 | 20ms | 22.7ms |
| Google | Search Engines | 1223795 | 19.93 GB | 7647 | 25.5ms | 28.6ms |
| Google API | Web Content Servic... | 165190 | 11.45 GB | 5432 | 20.2ms | 21.7ms |
| iOS Software Update | Software Updates | 20127 | 10.22 GB | 604 | 169ms | 423ms |
| Windows Update | Software Updates | 7030 | 5.98 GB | 1341 | 143ms | 167ms |
| Instagram | Social Networking | 69534 | 5.86 GB | 1616 | 31.2ms | 42.5ms |
| Google Drive | Cloud Storage | 51106 | 4.43 GB | 1667 | 87ms | 87ms |
| Twitch | Streaming | 14771 | 4.34 GB | 87 | 145ms | 161ms |
| iCloud | Cloud Storage | 40675 | 3.99 GB | 1351 | 114ms | 195ms |

Application Group Usage - Bandwidth

Start: # Days:



有異於每日的流量趨勢

Web Content Services
 3/26/2016 1:00:00 PM
 150.69 GB

| Name | Bandwidth(Min) | Bandwidth(Max) | Bandwidth(Avg) | Flows(Min) | Flows(Max) | Flows(Avg) | Clients(Min) | Clients(Max) | Clients(Avg) |
|------------------------|----------------|----------------|----------------|------------|------------|------------|--------------|--------------|--------------|
| Advertising | 75.72 MB | 7.81 GB | 1.63 GB | 27.5 K | 1.1 M | 341.7 K | 303 | 6 K | 2.1 K |
| Business Applications | 706.04 kB | 6.09 GB | 976.52 MB | 1.1 K | 49.4 K | 10.9 K | 22 | 1 K | 278 |
| Certificate Validation | 5.24 MB | 195.64 MB | 42.71 MB | 3.8 K | 35.1 K | 12.2 K | 602 | 2.9 K | 1.3 K |
| Cloud Computing | 368.06 MB | 3.45 GB | 1.28 GB | 4.6 K | 165.8 K | 44.5 K | 167 | 6.1 K | 1.5 K |
| Cloud Storage | 518.60 MB | 65.28 GB | 12.90 GB | 73.5 K | 397.5 K | 185.1 K | 613 | 6.7 K | 2.5 K |
| Corporate Website | 57.24 MB | 13.08 GB | 1.87 GB | 13.6 K | 126.1 K | 45.3 K | 843 | 3.8 K | 1.8 K |
| Databases | 105.13 kB | 398.92 MB | 10.26 MB | 139 | 8.3 K | 1.5 K | 9 | 5 K | 223 |
| E-commerce | 1.47 MB | 1.13 GB | 235.12 MB | 398 | 29.1 K | 8.2 K | 49 | 934 | 323 |

區段異常時段 TOP 10 應用



Navigation: Devices | Policy | Identity and Access | **Applications** | Wireless | Alarms and Events | Reports | Administration

Logout | Support | Help Tips | Settings | About

Reports | **Browser** | Application Flows | Fingerprints | Configuration

Options

Data Table: End-System Details - Hourly

Display Format: Grid

Target: Clients

Time Period: Custom

Start Time: 3/25/2016 5:00 PM

End Time: 3/26/2016 3:00 PM

Statistic

Type: Bytes

Aggregation: Sum Average

Search Criteria

Location: All

Profile: All

Application Group: Web Content Services

Device Family: All

User Name:

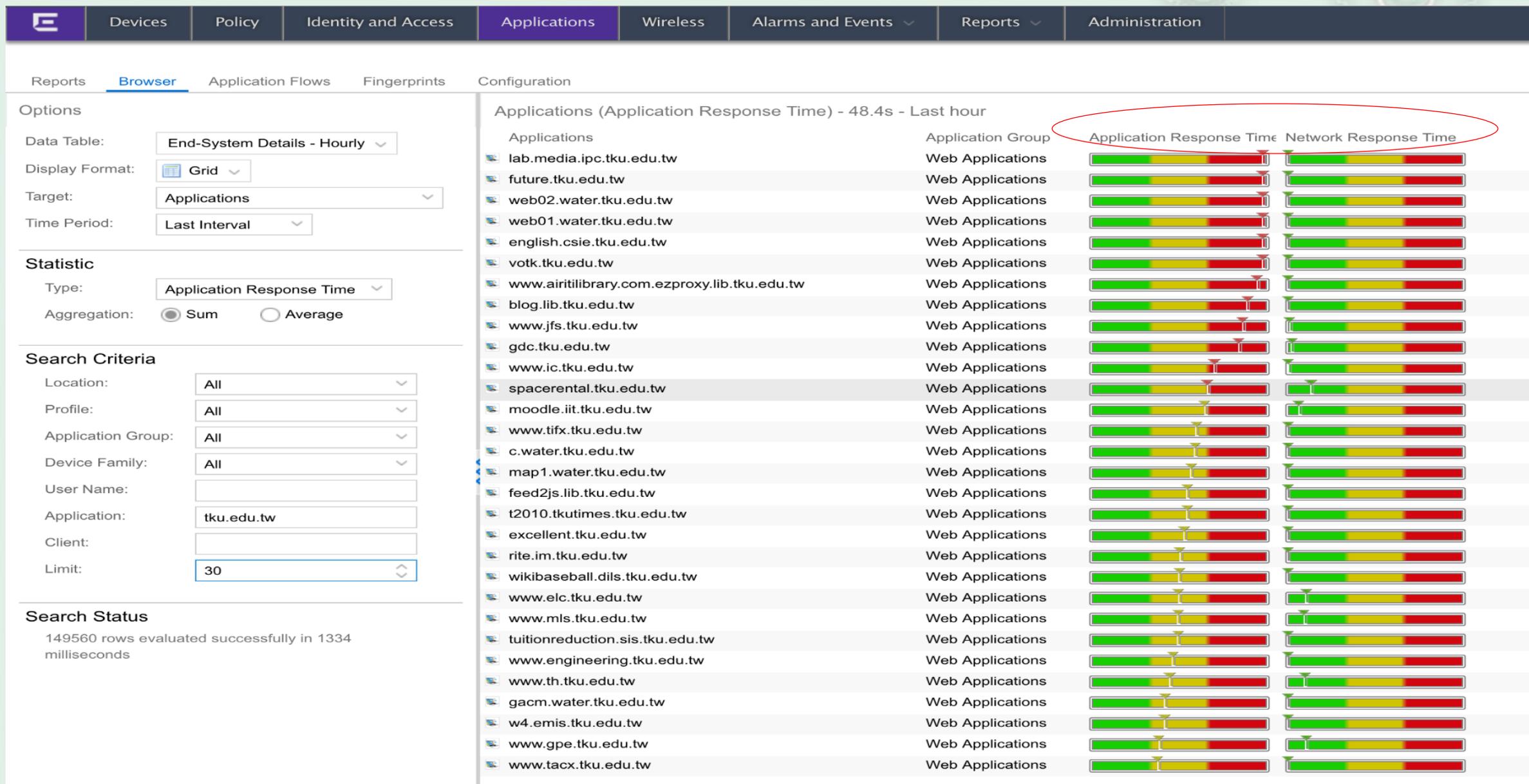
Application:

Submit

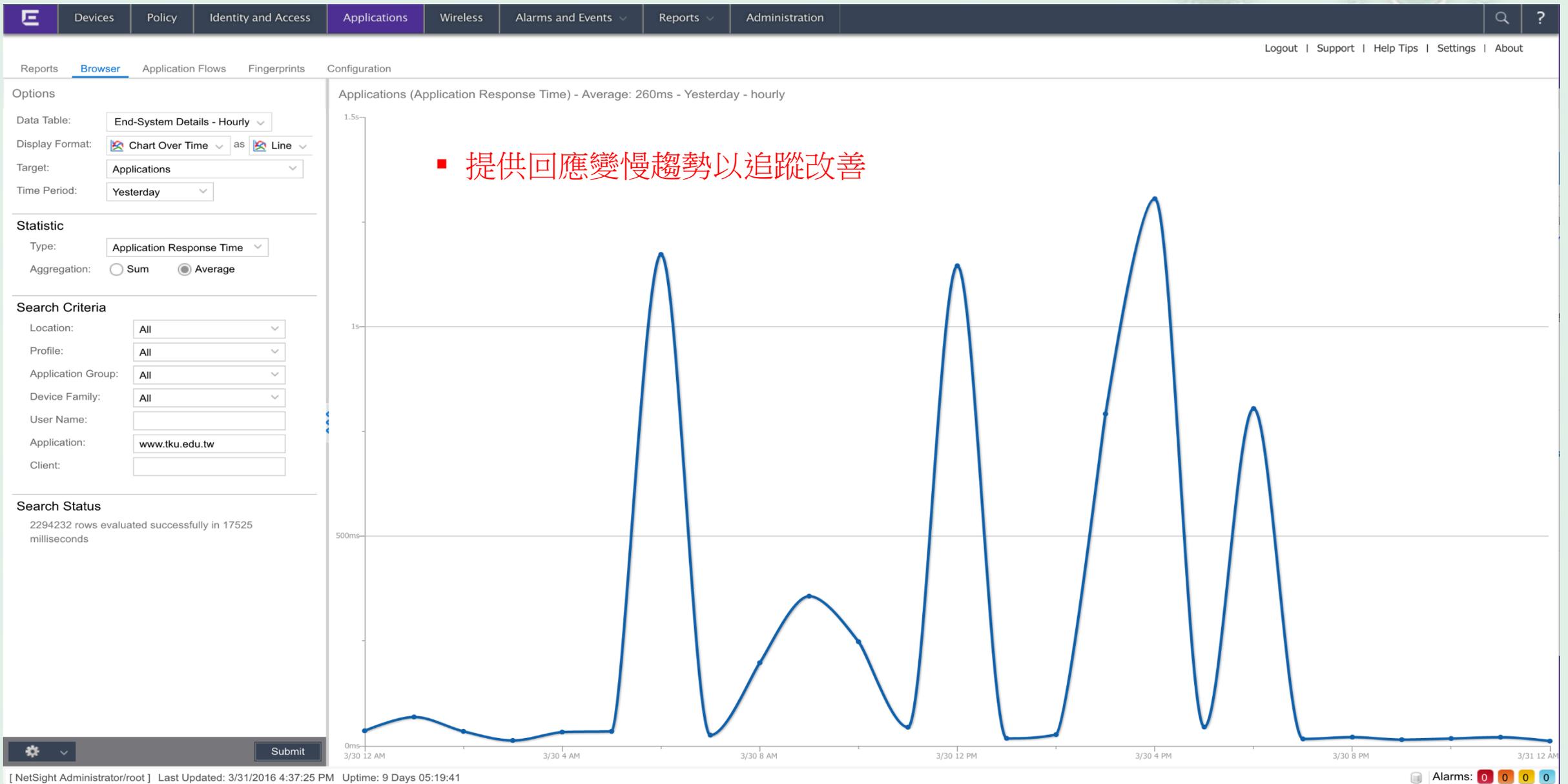
Clients (Bytes) - 2.8 TB - 3/25 5 PM

| Clients | Bytes | Sent Bytes | Received Bytes | User | Device Family | Profile | Location |
|---------|-----------|------------|----------------|------|---------------|---------|----------------------------|
| 1 | 3.201.253 | 2.5 TB | 2.5 TB | | Windows | | Department of Informati... |
| 1 | 3.226.79 | 274.46 GB | 266.97 GB | | | | Information Branch |
| 1 | 3.139.188 | 9.16 GB | 8.96 GB | | | | Hydraulic laboratory |
| 1 | 3.11.238 | 3.37 GB | 3.28 GB | | Android | | Tamsui Wi-Fi |
| 1 | 3.28.125 | 3.13 GB | 33.70 MB | | Windows | | Lan Yang Wi-Fi |
| 1 | 3.164.89 | 2.93 GB | 58.52 MB | | | | Western Building |
| 1 | 3.49.142 | 1.96 GB | 1.91 GB | | Android | | Tamsui Wi-Fi |
| 1 | 3.52.186 | 1.53 GB | 16.08 MB | | Windows | | Tamsui Wi-Fi |
| 1 | 3.202.74 | 1.47 GB | 18.41 MB | | | | Department of Informati... |
| 1 | 3.97.152 | 1.46 GB | 51.81 MB | | Apple | | FTTB_Dormitory Network |

校內網站與網路回應時間



主要應用 www.tku.edu.tw 回應歷史狀況



重要應用E-MAIL回應狀態

Options

Data Table:

Display Format:

Target:

Time Period:

Statistic

Type:

Aggregation: Sum Average

Search Criteria

Location:

Profile:

Application Group:

Device Family:

User Name:

Application:

Client:

Limit:

Search Status

2294232 rows evaluated successfully in 21780 milliseconds

Applications (Application Response Time) - 111ms - Yesterday

| Applications | Application Group | Application Response Time | Network Response Time |
|---------------------|-------------------|---------------------------|-----------------------|
| TKU_MAIL100_Webmail | Mail | | |
| TKU_MAIL218 | Mail | | |
| TKU_MAIL217 | Mail | | |
| TKU_MAIL100_IMAPS | Mail | | |
| TKU_MAIL210_POP3S | Mail | | |
| TKU_MAIL100_POP3 | Mail | | |
| TKU_MAIL212 | Mail | | |
| TKU_MAIL100_IMAP | Mail | | |
| TKU_MAIL100_SMTP | Mail | | |

重要應用E-MAIL使用頻寬

Navigation: [E](#) | [Devices](#) | [Policy](#) | [Identity and Access](#) | **[Applications](#)** | [Wireless](#) | [Alarms and Events](#) | [Reports](#) | [Administration](#)

Sub-navigation: [Reports](#) | **[Browser](#)** | [Application Flows](#) | [Fingerprints](#) | [Configuration](#)

Options

Data Table:

Display Format:

Target:

Time Period:

Statistic

Type:

Aggregation: Sum Average

Search Criteria

Location:

Profile:

Application Group:

Device Family:

User Name:

Application:

Client:

Limit:

Search Status

2294232 rows evaluated successfully in 21508 milliseconds

Applications (Bytes) - 560.69 MB - Yesterday

| Applications | Application Group | Bytes | Sent Bytes | Received Bytes |
|---------------------|-------------------|-----------|------------|----------------|
| TKU_MAIL218 | Mail | 165.54 MB | 123.45 MB | 42.08 MB |
| TKU_MAIL217 | Mail | 2.11 MB | 2 MB | 107.69 kB |
| TKU_MAIL212 | Mail | 112.50 kB | 56.25 kB | 56.25 kB |
| TKU_MAIL210_POP3S | Mail | 481.81 kB | 438.51 kB | 43.30 kB |
| TKU_MAIL100_Webmail | Mail | 350.96 MB | 113.82 MB | 237.15 MB |
| TKU_MAIL100_SMTP | Mail | 39.31 MB | 19.65 MB | 19.66 MB |
| TKU_MAIL100_POP3 | Mail | 669.25 kB | 553.79 kB | 115.46 kB |
| TKU_MAIL100_IMAPS | Mail | 375.38 kB | 203.65 kB | 171.73 kB |
| TKU_MAIL100_IMAP | Mail | 1.13 MB | 190.36 kB | 935.28 kB |

重要應用E-MAIL Flow數量

Navigation: [E](#) | [Devices](#) | [Policy](#) | [Identity and Access](#) | **[Applications](#)** | [Wireless](#) | [Alarms and Events](#) | [Reports](#) | [Administration](#)

Sub-navigation: [Reports](#) | **[Browser](#)** | [Application Flows](#) | [Fingerprints](#) | [Configuration](#)

Options

Data Table:

Display Format:

Target:

Time Period:

Statistic

Type:

Aggregation: Sum Average

Search Criteria

Location:

Profile:

Application Group:

Device Family:

User Name:

Application:

Client:

Limit:

Search Status

2294232 rows evaluated successfully in 18130 milliseconds

Applications (Flows) - 7188 flows - Yesterday

| Applications | Application Group | Flows | Outbound Flows | Inbound Flows |
|---------------------|-------------------|-------|----------------|---------------|
| TKU_MAIL100_Webmail | Mail | 5266 | 2928 | 2338 |
| TKU_MAIL100_SMTP | Mail | 1187 | 581 | 606 |
| TKU_MAIL100_POP3 | Mail | 332 | 167 | 165 |
| TKU_MAIL100_IMAPS | Mail | 158 | 77 | 81 |
| TKU_MAIL100_IMAP | Mail | 80 | 40 | 40 |
| TKU_MAIL218 | Mail | 77 | 38 | 39 |
| TKU_MAIL217 | Mail | 56 | 33 | 23 |
| TKU_MAIL210_POP3S | Mail | 28 | 14 | 14 |
| TKU_MAIL212 | Mail | 4 | 2 | 2 |

重要應用DNS平均使用者數量

Navigation: [E](#) | [Devices](#) | [Policy](#) | [Identity and Access](#) | **[Applications](#)** | [Wireless](#) | [Alarms and Events](#) | [Reports](#)

Sub-navigation: [Reports](#) | **[Browser](#)** | [Application Flows](#) | [Fingerprints](#) | [Configuration](#)

Options

Data Table:

Display Format:

Target:

Time Period:

Statistic

Type:

Aggregation: Sum Average

Search Criteria

Location:

Profile:

Application Group:

Device Family:

User Name:

Application:

Client:

Limit:

Search Status

2294232 rows evaluated successfully in 16986 milliseconds

Applications (Clients) - Average: 826 - Yesterday - hourly

| Applications | Application Group | |
|--------------|-------------------|------|
| TKU_DNS1 | Protocols | 2385 |
| TKU_DNS2 | Protocols | 51 |
| TKU_DNS3 | Protocols | 42 |

重要應用DNS Flow數量



Devices

Policy

Identity and Access

Applications

Wireless

Alarms and Events

Reports

Administration

Reports

Browser

Application Flows

Fingerprints

Configuration

Options

Data Table: End-System Details - Hourly

Display Format: Grid

Target: Applications

Time Period: Yesterday

Statistic

Type: Flows

Aggregation: Sum Average

Search Criteria

Location: All

Profile: All

Application Group: All

Device Family: All

User Name:

Application: TKU_DNS

Client:

Limit: 10

Search Status

2294232 rows evaluated successfully in 17244 milliseconds

Applications (Flows) - 973439 flows - Yesterday

| Applications | Application Group | Flows | Outbound Flows | Inbound Flows |
|--------------|-------------------|--------|----------------|---------------|
| TKU_DNS1 | Protocols | 573136 | 286773 | 286363 |
| TKU_DNS3 | Protocols | 203234 | 122368 | 80866 |
| TKU_DNS2 | Protocols | 197069 | 118737 | 78332 |

重要應用DNS回應時間

Navigation: Devices | Policy | Identity and Access | Applications | Wireless | Alarms and Events | Reports | Administration

Sub-navigation: Reports | **Browser** | Application Flows | Fingerprints | Configuration

Options

Data Table: End-System Details - Hourly

Display Format: Grid

Target: Applications

Time Period: Yesterday

Statistic

Type: Application Response Time

Aggregation: Sum Average

Search Criteria

Location: All

Profile: All

Application Group: All

Device Family: All

User Name:

Application: **TKU_DNS**

Client:

Limit: 10

Search Status

2294232 rows evaluated successfully in 17021 milliseconds

Applications (Application Response Time) - 180ms - Yesterday

| Applications | Application Group | Application Response Time | Network Response Time |
|--------------|-------------------|---------------------------|-----------------------|
| TKU_DNS2 | Protocols | | |
| TKU_DNS1 | Protocols | | |
| TKU_DNS3 | Protocols | | |

- TKU_DNS1的Flow數最高、使用人數最多，但效能也是最好，而TKU_DNS2的Flow數最低、使用人數低，回應時間較差。
- 經查TKU_DNS1是Server Load Balance的VIP，但有人設定直接使用DNS2和DNS3，因此建議使用者DNS1以獲得較好的效能

校園網路使用情況



Network Activity by Location

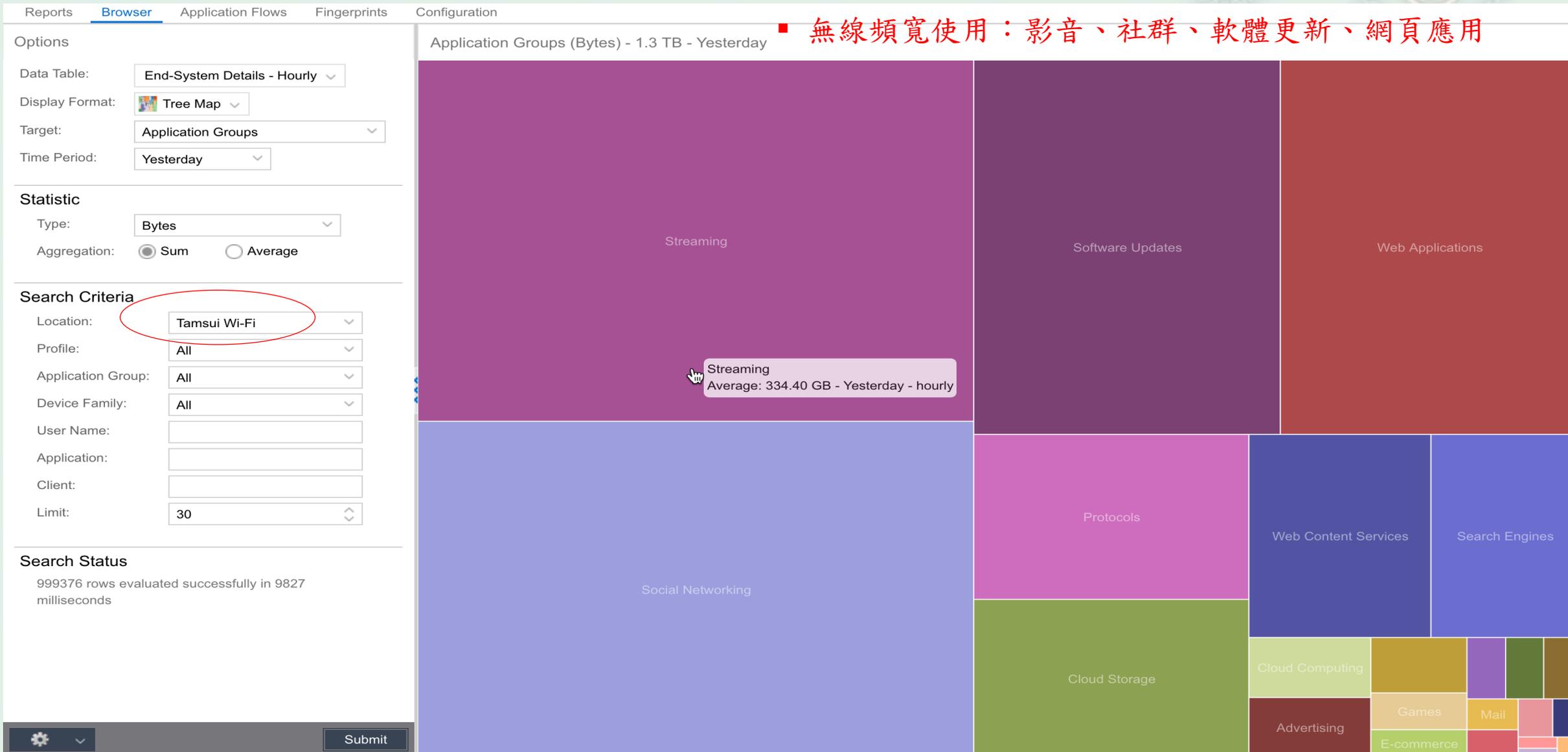
Locations (All) - Average: 7.21 GB - Today - hourly

Today Limit: 30

■ 無線頻寬使用量遠高於有線

| Locations | Bytes | Sent Bytes | Received Bytes | Flows | Outbound Flows | Inbound Flows | Client Count | Application Response Time | Network Response Time |
|--------------------------------|----------|------------|----------------|---------|----------------|---------------|--------------|---------------------------|-----------------------|
| Tamsui Wi-Fi | 60.95 GB | 6.01 GB | 54.94 GB | 2104071 | 1037832 | 1066239 | 7460 | | |
| Information Branch | 37.48 GB | 7.35 GB | 30.13 GB | 2301183 | 1234867 | 1066316 | 3656 | | |
| Taipei Campus | 15.20 GB | 478.45 MB | 14.72 GB | 105809 | 59508 | 46301 | 495 | | |
| FTTB_Dormitory Network | 11.06 GB | 907.20 MB | 10.15 GB | 335056 | 160590 | 174466 | 4855 | | |
| Department of Civil Engin... | 9.43 GB | 5.76 GB | 3.68 GB | 292529 | 162543 | 129985 | 249 | | |
| Information Department | 8.71 GB | 1.05 GB | 7.66 GB | 440389 | 219414 | 220975 | 985 | | |
| Lan Yang Wi-Fi | 8.29 GB | 770.49 MB | 7.52 GB | 290610 | 152067 | 138542 | 992 | | |
| Electrical Engineering | 7.79 GB | 702.16 MB | 7.09 GB | 416325 | 208643 | 207681 | 497 | | |
| Institute of Technology | 5.47 GB | 803.55 MB | 4.67 GB | 112797 | 54310 | 58487 | 1458 | | |
| Lan Yang campus | 5.31 GB | 313.77 MB | 4.99 GB | 160011 | 80786 | 79224 | 714 | | |
| Department of Informatio... | 3.94 GB | 1.20 GB | 2.74 GB | 101237 | 50695 | 50542 | 978 | | |
| Electrical and Mechanica... | 3.33 GB | 366.40 MB | 2.96 GB | 181169 | 97003 | 84165 | 246 | | |
| FIG funding system | 3.08 GB | 271.12 MB | 2.80 GB | 57904 | 28314 | 29589 | 244 | | |
| Building sound scared | 2.82 GB | 182.85 MB | 2.64 GB | 84267 | 43640 | 40627 | 937 | | |
| Department of Architecture | 2.76 GB | 698.79 MB | 2.07 GB | 113139 | 60055 | 53084 | 241 | | |
| Western Building | 2.76 GB | 249.06 MB | 2.51 GB | 177472 | 87907 | 89564 | 697 | | |
| Office of Student Affairs, ... | 2.61 GB | 128.98 MB | 2.48 GB | 97151 | 50616 | 46534 | 240 | | |
| Department of Physics | 2.60 GB | 232.77 MB | 2.36 GB | 147670 | 81225 | 66445 | 490 | | |
| Department of Chemistry | 2.37 GB | 466.64 MB | 1.90 GB | 201101 | 109648 | 91452 | 244 | | |
| Department of Material | 2.31 GB | 367.45 MB | 1.94 GB | 82839 | 42174 | 40665 | 248 | | |
| Department of Education... | 2.29 GB | 105.44 MB | 2.18 GB | 57239 | 28254 | 28985 | 246 | | |
| Stadium | 2.24 GB | 1.11 GB | 1.13 GB | 63284 | 33032 | 30251 | 232 | | |
| Water ring system | 2.15 GB | 302.81 MB | 1.84 GB | 82351 | 41394 | 40957 | 247 | | |
| Remote group | 1.88 GB | 117.29 MB | 1.77 GB | 62323 | 30898 | 31424 | 244 | | |
| Library_After_1-4F | 1.67 GB | 126.65 MB | 1.54 GB | 85135 | 41756 | 43379 | 232 | | |
| Information Branch_Clou... | 1.62 GB | 173.57 MB | 1.45 GB | 49413 | 29501 | 19911 | 992 | | |
| Water, swimming pool, sc... | 1.58 GB | 326.81 MB | 1.26 GB | 172177 | 85923 | 86253 | 236 | | |
| Aerospace Department | 1.58 GB | 538.60 MB | 1.04 GB | 208610 | 125668 | 82941 | 245 | | |
| Department of Mathemat... | 1.54 GB | 194.21 MB | 1.35 GB | 154499 | 109561 | 44938 | 486 | | |
| Activity Center | 1.52 GB | 246.41 MB | 1.27 GB | 36531 | 18145 | 18385 | 231 | | |

無線應用行為分析



作業系統網路使用情形



Reports **Browser** Application Flows Fingerprints Configuration

Options

Data Table: End-System Details - Hourly ▾

Display Format:  Grid ▾

Target: Device Family ▾

Time Period: Today ▾

Statistic

Type: Clients ▾

Aggregation: Sum Average

Device Family (Clients) - 28247 - Today

| Device Family | |
|---------------|-------|
| Windows | 17437 |
| Android | 6047 |
| iOS | 3819 |
| Apple | 591 |
| Debian | 272 |
| Linux | 32 |
| FirefoxOS | 17 |
| Ubuntu | 17 |
| Red | 12 |
| Solaris | 3 |

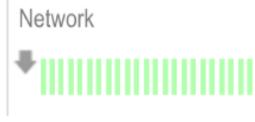
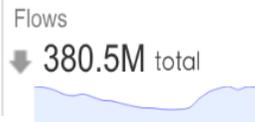
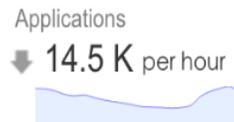
少數連線而使用大量頻寬應用



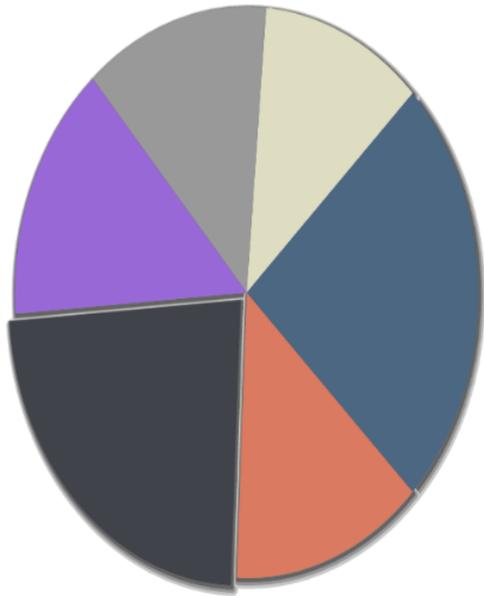
Navigation menu: E | Devices | Policy | Identity and Access | Applications | Wireless | Alarms and Events | Reports | Administration

Reports | Browser | Application Flows | Fingerprints | Configuration

Dashboard



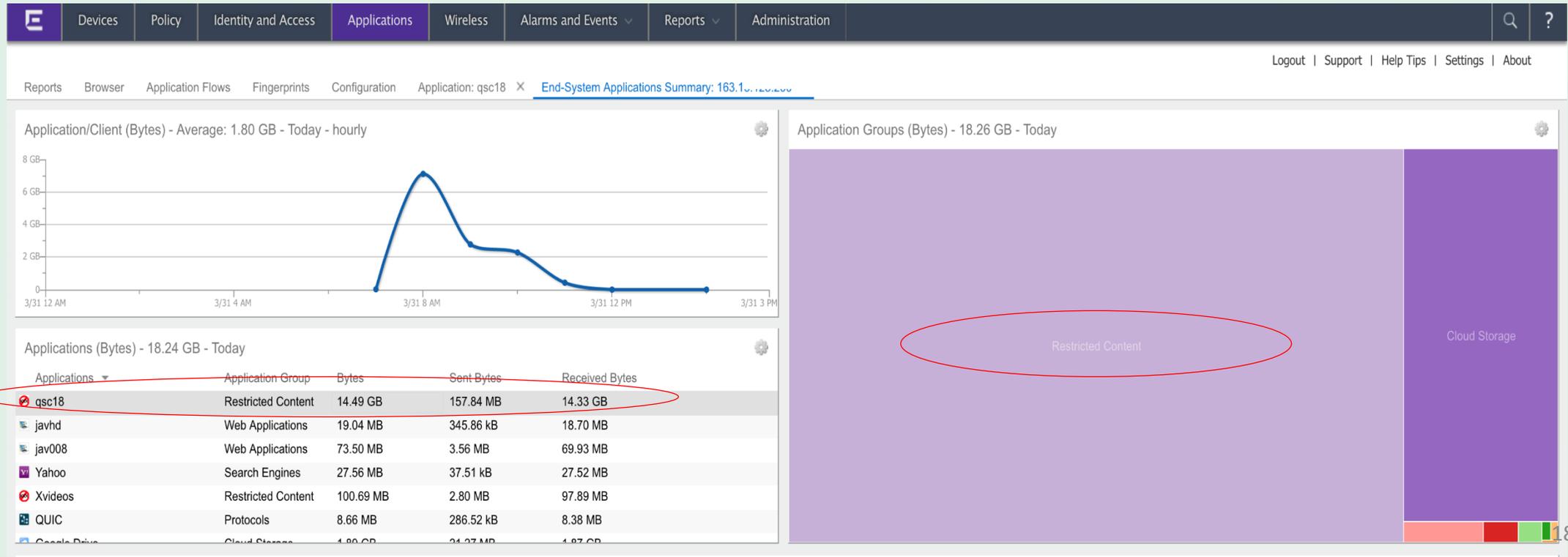
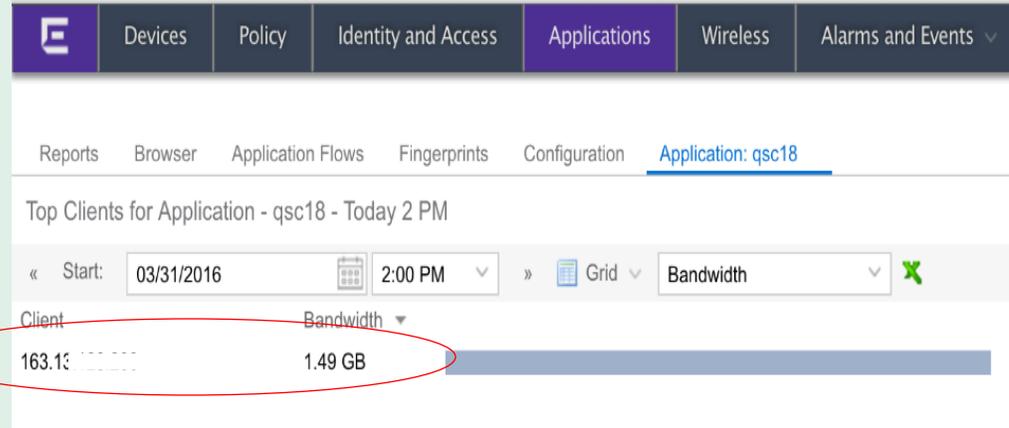
Top Application Groups - Today 2 PM - 3 PM



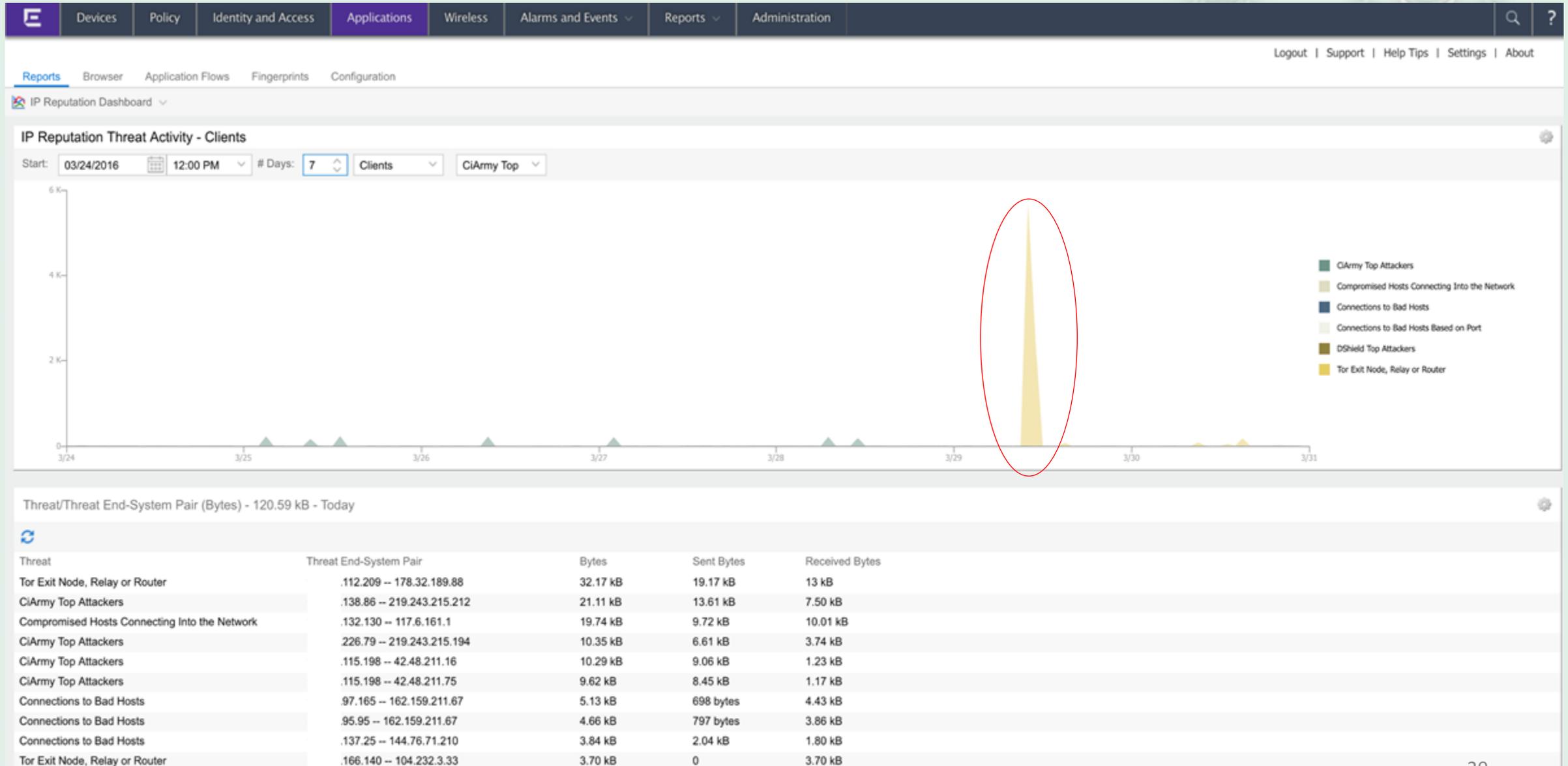
- All Others
- Cloud Storage
- Protocols
- Social Networking
- Streaming
- Web Applications

| Application | Group | Flows(Total) | Bytes(Total) | Clients(Avg) |
|---------------------|--------------------|--------------|--------------|--------------|
| Amazon Web Services | Cloud Computing | 86015 | 1.59 GB | 3349 |
| Web | Web Applications | 480560 | 1.55 GB | 34228 |
| Dropbox | Cloud Storage | 95155 | 1.55 GB | 678 |
| line-apps | Web Applications | 23057 | 1.54 GB | 1912 |
| qsc18 | Restricted Content | 203 | 1.49 GB | 1 |
| Google Update | Software Updates | 469 | 1.30 GB | 75 |
| npm.nchc.org.tw | Web Applications | 232 | 1.29 GB | 1 |
| pimg | Web Applications | 14509 | 1.12 GB | 353 |
| Netflix | Streaming | 1360 | 1.06 GB | 10 |
| http-alt port | Protocols | 17344 | 1.02 GB | 484 |
| Dailymotion | Streaming | 2514 | 999.22 MB | 48 |
| jplovetv | Web Applications | 90 | 943.93 MB | 3 |

使用者行為分析



連結IP黑名單分析



來源IP與黑名單IP關聯性

Navigation: Devices | Policy | Identity and Access | Applications | Wireless | Alarms and Events | Reports | Administration

Sub-navigation: Reports | **Browser** | Application Flows | Fingerprints | Configuration

Options

Data Table: Application Data - Hourly

Display Format: Grid

Target: Threat/Threat End-System Pair

Time Period: Custom

Start Time: 3/29/2016 10:00 PM

End Time: 3/29/2016 11:00 PM

Statistic

Type: Flows

Aggregation: Sum Average

Search Criteria

Threat: All

Limit: 100

Search Status

444 rows evaluated successfully in 113 milliseconds

Threat/Threat End-System Pair (Flows) - 237 flows - 3/29 10 PM

| Threat | Threat End-System Pair | Flows | Outbound Flows | Inbound Flows |
|--------------------------------|----------------------------------|-------|----------------|---------------|
| CiArmy Top Attackers | 163.13.164.25 -- 183.247.177.6 | 6 | 3 | 3 |
| Connections to Bad Hosts | 163.13.233.13 -- 42.62.40.103 | 6 | 3 | 3 |
| Tor Exit Node, Relay or Router | 163.13.116.36 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.147.79 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.229.243 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.245.40 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.244.125 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 210.60.221.156 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.43.92 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.129.35 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.164.14 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.245.22 -- 46.165.223.217 | 4 | 2 | 2 |
| Connections to Bad Hosts | 163.13.149.33 -- 217.174.148.86 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.30.80 -- 46.165.223.217 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 163.13.115.180 -- 46.165.223.217 | 3 | 0 | 3 |
| Tor Exit Node, Relay or Router | 163.13.84.150 -- 46.165.223.217 | 3 | 0 | 3 |
| Tor Exit Node, Relay or Router | 163.13.50.96 -- 46.165.223.217 | 3 | 0 | 3 |
| Tor Exit Node, Relay or Router | 163.13.34.183 -- 46.165.223.217 | 3 | 0 | 3 |
| Tor Exit Node, Relay or Router | 163.13.28.57 -- 46.165.223.217 | 3 | 1 | 2 |
| Tor Exit Node, Relay or Router | 163.13.255.216 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.76.77 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.103.0 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.170.238 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.99.118 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.125.131 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.79.59 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.246.185 -- 46.165.223.217 | 2 | 1 | 1 |
| Tor Exit Node, Relay or Router | 163.13.159.117 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.12.247 -- 46.165.223.217 | 2 | 1 | 1 |
| Tor Exit Node, Relay or Router | 163.13.3.229 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.155.253 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.245.68 -- 46.165.223.217 | 2 | 1 | 1 |
| Tor Exit Node, Relay or Router | 163.13.126.25 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.179.142 -- 46.165.223.217 | 2 | 0 | 2 |
| Tor Exit Node, Relay or Router | 163.13.140.235 -- 46.165.223.217 | 2 | 0 | 2 |

Submit

IBM X-Force分析黑名單IP



IBM X-Force Exchange

46.165.223.217

風險

8.6

X-Force IP 報告

46.165.223.217



詳細資料

分類 匿名服務 (86%)
匿名服務 (46.165.223.217)
應用程式 沒有已知應用程式
位置 德國

WHOIS 記錄

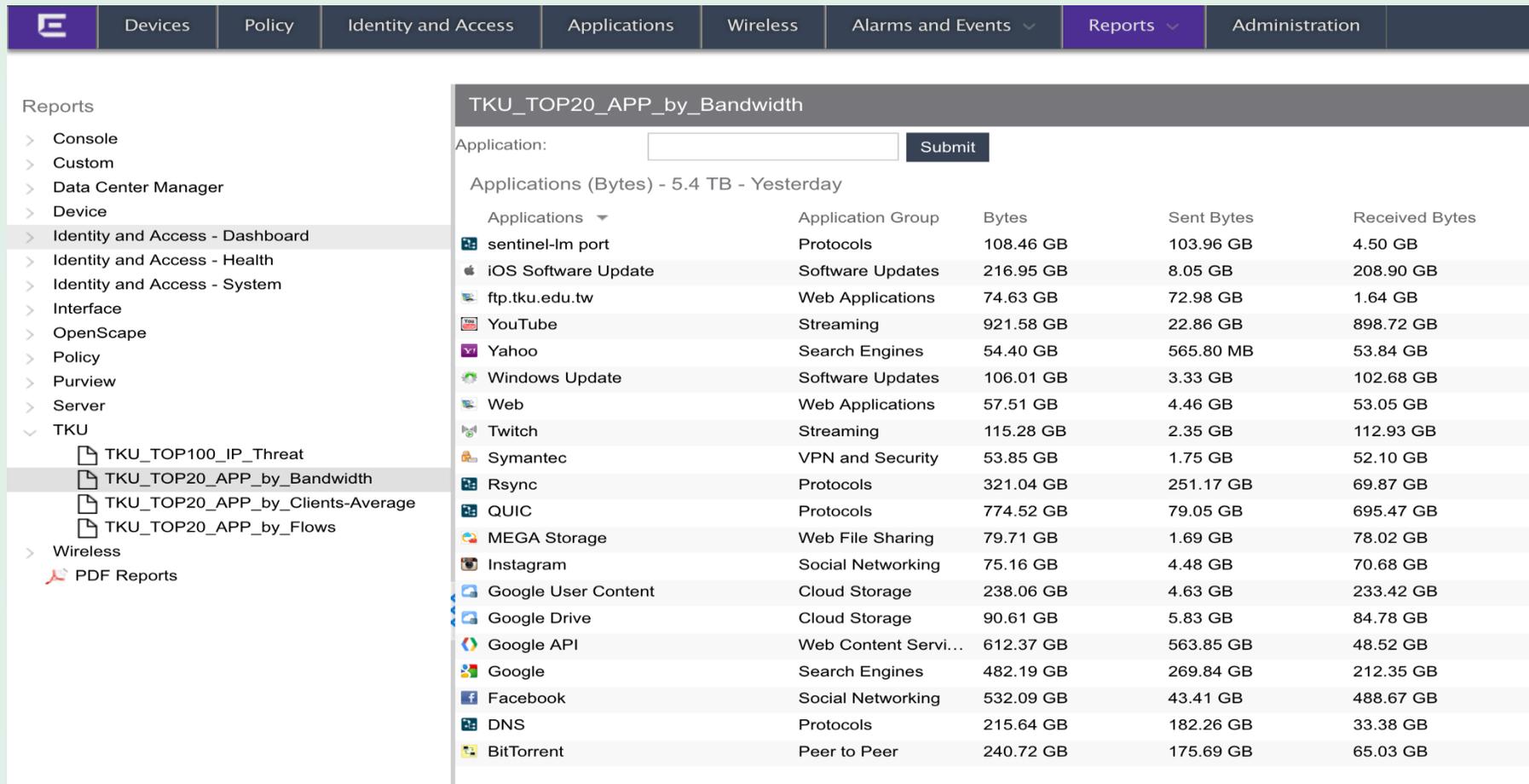
已更新 2009年9月1日
登錄者名稱 Leaseweb Deutschland GmbH
登錄者組織 Leaseweb
登錄者國家/地區 Germany
電子郵件 abuse@de.leaseweb.com

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時間表
[檢視全部](#)

| 種類 | 原因 | 位置 | 日期 |
|-----------------------------|----------|----|--------------------|
| 匿名服務 (86%) 自動運行木馬 (43%) | 協力廠商資訊來源 | 德國 | 2016年3月23日 上午3:25 |
| 匿名服務 (86%) ▲自動運行木馬 (43%) | 協力廠商資訊來源 | 德國 | 2016年3月22日 下午2:19 |
| 匿名服務 (86%) 自動運行木馬 (43%) | 協力廠商資訊來源 | 德國 | 2016年3月21日 下午9:18 |
| 匿名服務 (86%) ▲自動運行木馬 (43%) | 協力廠商資訊來源 | 德國 | 2016年3月20日 下午11:22 |

定期(每日)檢視網路狀況 Bandwidth TOP 20



Reports

- > Console
- > Custom
- > Data Center Manager
- > Device
- > Identity and Access - Dashboard
- > Identity and Access - Health
- > Identity and Access - System
- > Interface
- > OpenScape
- > Policy
- > Purview
- > Server
- TKU
 - TKU_TOP100_IP_Threat
 - TKU_TOP20_APP_by_Bandwidth
 - TKU_TOP20_APP_by_Clients-Average
 - TKU_TOP20_APP_by_Flows
- > Wireless
- PDF Reports

TKU_TOP20_APP_by_Bandwidth

Application:

Applications (Bytes) - 5.4 TB - Yesterday

| Applications | Application Group | Bytes | Sent Bytes | Received Bytes |
|---------------------|----------------------|-----------|------------|----------------|
| sentinel-lm port | Protocols | 108.46 GB | 103.96 GB | 4.50 GB |
| iOS Software Update | Software Updates | 216.95 GB | 8.05 GB | 208.90 GB |
| ftp.tku.edu.tw | Web Applications | 74.63 GB | 72.98 GB | 1.64 GB |
| YouTube | Streaming | 921.58 GB | 22.86 GB | 898.72 GB |
| Yahoo | Search Engines | 54.40 GB | 565.80 MB | 53.84 GB |
| Windows Update | Software Updates | 106.01 GB | 3.33 GB | 102.68 GB |
| Web | Web Applications | 57.51 GB | 4.46 GB | 53.05 GB |
| Twitch | Streaming | 115.28 GB | 2.35 GB | 112.93 GB |
| Symantec | VPN and Security | 53.85 GB | 1.75 GB | 52.10 GB |
| Rsync | Protocols | 321.04 GB | 251.17 GB | 69.87 GB |
| QUIC | Protocols | 774.52 GB | 79.05 GB | 695.47 GB |
| MEGA Storage | Web File Sharing | 79.71 GB | 1.69 GB | 78.02 GB |
| Instagram | Social Networking | 75.16 GB | 4.48 GB | 70.68 GB |
| Google User Content | Cloud Storage | 238.06 GB | 4.63 GB | 233.42 GB |
| Google Drive | Cloud Storage | 90.61 GB | 5.83 GB | 84.78 GB |
| Google API | Web Content Servi... | 612.37 GB | 563.85 GB | 48.52 GB |
| Google | Search Engines | 482.19 GB | 269.84 GB | 212.35 GB |
| Facebook | Social Networking | 532.09 GB | 43.41 GB | 488.67 GB |
| DNS | Protocols | 215.64 GB | 182.26 GB | 33.38 GB |
| BitTorrent | Peer to Peer | 240.72 GB | 175.69 GB | 65.03 GB |

定期(每日)檢視網路狀況 Flows TOP 20



Reports

- > Console
- > Custom
- > Data Center Manager
- > Device
- > Identity and Access - Dashboard
- > Identity and Access - Health
- > Identity and Access - System
- > Interface
- > OpenScope
- > Policy
- > Purview
- > Server
- ▼ TKU
 - TKU_TOP100_IP_Threat
 - TKU_TOP20_APP_by_Bandwidth
 - TKU_TOP20_APP_by_Clients-Average
 - TKU_TOP20_APP_by_Flows**
- > Wireless
 - PDF Reports

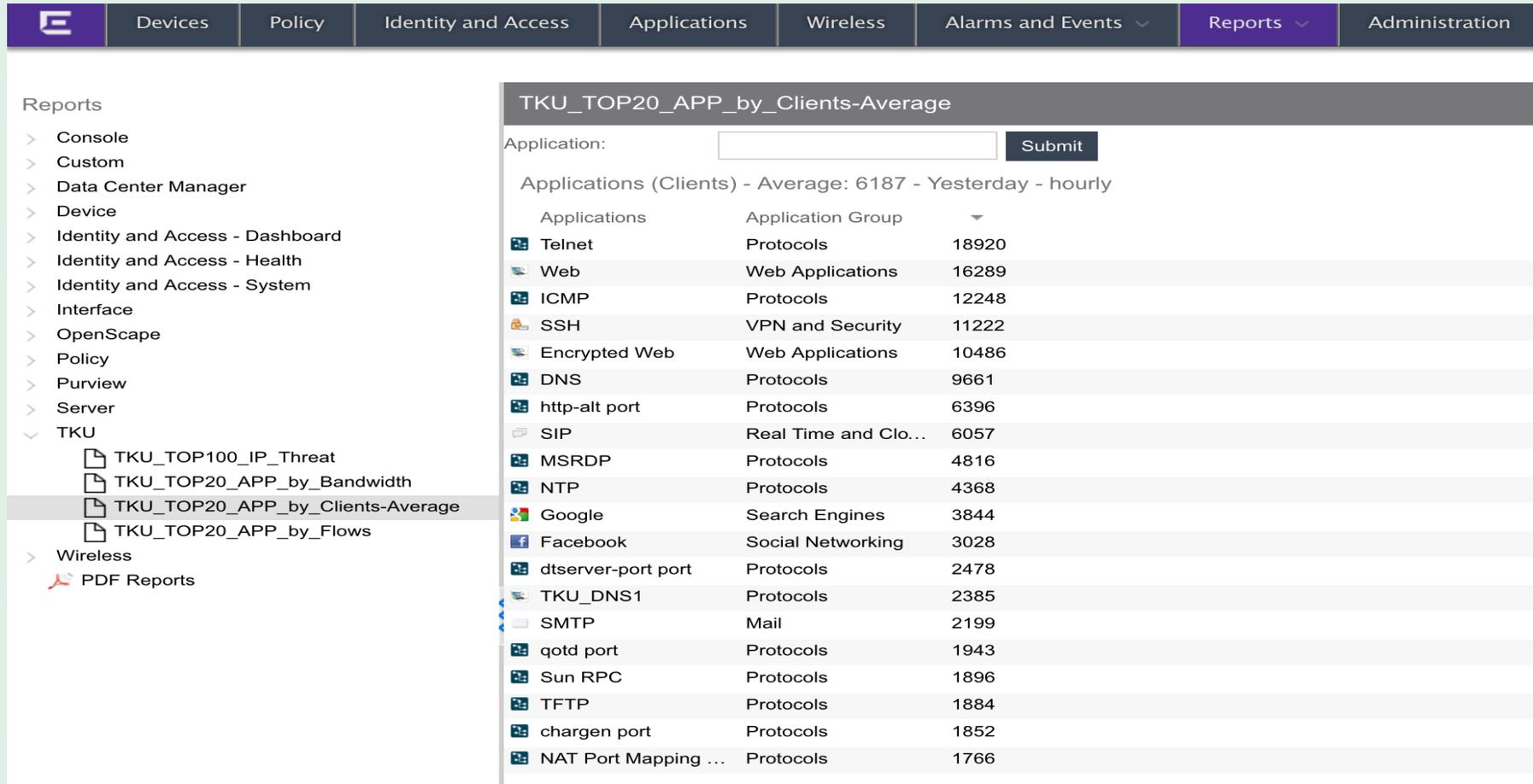
TKU_TOP20_APP_by_Flows

Application:

Applications (Flows) - 270291484 flows - Yesterday

| Applications | Application Group | Flows | Outbound Flows | Inbound Flows |
|---------------|----------------------|-----------|----------------|---------------|
| DNS | Protocols | 133551274 | 64994514 | 68556760 |
| BitTorrent | Peer to Peer | 51371708 | 26972620 | 24399088 |
| Google | Search Engines | 20377136 | 10202242 | 10174894 |
| Facebook | Social Networking | 14135893 | 7037883 | 7098010 |
| Web | Web Applications | 9888761 | 4550308 | 5338453 |
| Encrypted Web | Web Applications | 6607279 | 2982811 | 3624468 |
| Skype | Real Time and Clo... | 5198760 | 2588549 | 2610211 |
| Google Ads | Advertising | 3756404 | 1886161 | 1870243 |
| ICMP | Protocols | 3714340 | 2106224 | 1608116 |
| chargen port | Protocols | 3438320 | 778818 | 2659502 |
| ESMTP | Mail | 3106712 | 1550193 | 1556519 |
| YouTube | Streaming | 2927002 | 1471573 | 1455429 |
| Telnet | Protocols | 2441325 | 403280 | 2038045 |
| TeamViewer | Web Collaboration | 1781727 | 896663 | 885064 |
| Dropbox | Cloud Storage | 1674447 | 836076 | 838371 |
| Google API | Web Content Servi... | 1418310 | 704098 | 714212 |
| LDAP | Protocols | 1262606 | 591767 | 670839 |
| QUIC | Protocols | 1240328 | 583875 | 656453 |
| EDONKEY | Peer to Peer | 1228508 | 792425 | 436083 |
| Google Talk | Real Time and Clo... | 1170644 | 582682 | 587962 |

定期(每日)檢視網路狀況 Clients TOP 20



The screenshot displays a network management interface with a navigation menu on the left and a main content area on the right. The navigation menu includes sections like 'Reports', 'Wireless', and 'PDF Reports'. The main content area shows a report titled 'TKU_TOP20_APP_by_Clients-Average' with a table of application usage data.

Navigation Menu:

- Devices
- Policy
- Identity and Access
- Applications
- Wireless
- Alarms and Events
- Reports
- Administration

Reports List:

- Console
- Custom
- Data Center Manager
- Device
- Identity and Access - Dashboard
- Identity and Access - Health
- Identity and Access - System
- Interface
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 - TKU_TOP100_IP_Threat
 - TKU_TOP20_APP_by_Bandwidth
 - TKU_TOP20_APP_by_Clients-Average**
 - TKU_TOP20_APP_by_Flows
- Wireless
 - PDF Reports

Report Title: TKU_TOP20_APP_by_Clients-Average

Application:

Applications (Clients) - Average: 6187 - Yesterday - hourly

| Applications | Application Group | |
|----------------------|----------------------|-------|
| Telnet | Protocols | 18920 |
| Web | Web Applications | 16289 |
| ICMP | Protocols | 12248 |
| SSH | VPN and Security | 11222 |
| Encrypted Web | Web Applications | 10486 |
| DNS | Protocols | 9661 |
| http-alt port | Protocols | 6396 |
| SIP | Real Time and Clo... | 6057 |
| MSRDP | Protocols | 4816 |
| NTP | Protocols | 4368 |
| Google | Search Engines | 3844 |
| Facebook | Social Networking | 3028 |
| dtserver-port port | Protocols | 2478 |
| TKU_DNS1 | Protocols | 2385 |
| SMTP | Mail | 2199 |
| qotd port | Protocols | 1943 |
| Sun RPC | Protocols | 1896 |
| TFTP | Protocols | 1884 |
| chargen port | Protocols | 1852 |
| NAT Port Mapping ... | Protocols | 1766 |

定期(每日)檢視網路狀況 IP評等



Navigation: E | Devices | Policy | Identity and Access | Applications | Wireless | Alarms and Events | Reports | Administration

Reports

- > Console
- > Custom
- > Data Center Manager
- > Device
- > Identity and Access - Dashboard
- > Identity and Access - Health
- > Identity and Access - System
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TKU_TOP100_IP_Threat

Threat:

Threat/Threat End-System Pair (Flows) - 709 flows - Yesterday

| Threat | Threat End-System Pair | Flows | Outbound Flows | Inbound Flows |
|---|----------------------------|-------|----------------|---------------|
| Tor Exit Node, Relay or Router | 112.209 -- 178.32.189.88 | 225 | 113 | 112 |
| CiArmy Top Attackers | 138.86 -- 219.243.215.212 | 100 | 51 | 49 |
| CiArmy Top Attackers | 137.163 -- 219.243.215.212 | 60 | 31 | 29 |
| Tor Exit Node, Relay or Router | 112.209 -- 188.226.149.124 | 33 | 17 | 16 |
| Tor Exit Node, Relay or Router | 164.93 -- 118.99.176.155 | 14 | 7 | 7 |
| Tor Exit Node, Relay or Router | 133.29 -- 176.194.189.124 | 14 | 7 | 7 |
| Connections to Bad Hosts | 18.94 -- 162.159.210.67 | 10 | 4 | 6 |
| Compromised Hosts Connecting Into the ... | 132.130 -- 117.6.161.1 | 8 | 4 | 4 |
| Connections to Bad Hosts | 253.149 -- 162.159.211.67 | 8 | 4 | 4 |
| Connections to Bad Hosts | 1.62 -- 186.250.243.100 | 8 | 4 | 4 |
| Tor Exit Node, Relay or Router | 129.68 -- 193.138.219.244 | 8 | 4 | 4 |
| CiArmy Top Attackers | 133.226 -- 219.243.215.194 | 8 | 4 | 4 |
| Tor Exit Node, Relay or Router | 208.60 -- 193.138.219.244 | 8 | 4 | 4 |
| CiArmy Top Attackers | 164.25 -- 219.243.215.194 | 8 | 4 | 4 |
| Compromised Hosts Connecting Into the ... | 137.51 -- 171.232.56.157 | 8 | 4 | 4 |
| CiArmy Top Attackers | 133.226 -- 211.100.57.118 | 7 | 4 | 3 |
| Connections to Bad Hosts | 50.37 -- 162.159.211.67 | 6 | 3 | 3 |
| CiArmy Top Attackers | 133.140 -- 219.243.215.212 | 6 | 3 | 3 |
| Tor Exit Node, Relay or Router | 112.9 -- 128.72.221.243 | 5 | 0 | 5 |
| CiArmy Top Attackers | 149.61 -- 219.243.215.212 | 5 | 0 | 5 |
| CiArmy Top Attackers | 95.137 -- 219.243.215.194 | 5 | 2 | 3 |
| Compromised Hosts Connecting Into the ... | 137.62 -- 209.95.50.25 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 133.201 -- 192.95.26.58 | 4 | 2 | 2 |
| CiArmy Top Attackers | 226.79 -- 219.243.215.194 | 4 | 2 | 2 |
| DShield Top Attackers | 14.143 -- 58.140.209.240 | 4 | 0 | 4 |
| CiArmy Top Attackers | 95.112 -- 219.243.215.194 | 4 | 2 | 2 |
| Connections to Bad Hosts | 1.61 -- 64.70.19.202 | 4 | 4 | 0 |
| CiArmy Top Attackers | 135.200 -- 219.243.215.194 | 4 | 2 | 2 |
| Tor Exit Node, Relay or Router | 138.86 -- 195.46.185.37 | 4 | 2 | 2 |
| Connections to Bad Hosts | 50.37 -- 162.159.210.67 | 4 | 2 | 2 |
| Compromised Hosts Connecting Into the ... | 95.112 -- 209.95.50.25 | 4 | 2 | 2 |
| CiArmy Top Attackers | 95.137 -- 219.243.215.212 | 4 | 2 | 2 |
| Connections to Bad Hosts | 36.8 -- 64.70.19.202 | 3 | 3 | 0 |
| Tor Exit Node, Relay or Router | 133.46 -- 109.201.133.100 | 3 | 0 | 3 |
| Connections to Bad Hosts | 130.161 -- 184.168.221.15 | 3 | 3 | 0 |