Fast Facts

Regional Data

June 2020

Monthly data-driven threat landscape updates

Introduction

Even in the midst of a global pandemic, cybercriminals have shown no signs of slowing down with their nefarious intent to compromise users' systems in different regions. For ransomware, Turkey now has the most number of detections in June. On the other hand, the United States continues to be the top country with the most number of email threats both in May and June.

For malware, Japan still has the most number of detections in June. Japan also emerged as the country with most macro malware detections and the country with the most number of users accessing malicious URLs for June. In the same month, China rose to the top as the country with the most number of banking malware detections.

In terms of CEO fraud, we observed that the United States, United Kingdom, and Australia remained the prime targets in May and June.

Disclaimer

The data is collected from Trend Micro's Smart Protection Network™ (**SPN**) sensors, the Philippines Threat Hunting team, the Mobile App Reputation Service (**MARS**) team, the Smart Home Network (**SHN**), IoT Reputation Service (**IoTRS**) and Trend Micro researchers.

- The data in the reports is a snapshot of the data gathered from sensors and parameters the research team has during the time the report is created. The data may change retrospectively due to any future enhancements applied to the sensors and parameters.

- Most data is collected from products and solutions we have deployed in the market. There's a small percentage of data collected from external sources (via setting up honeypots or exchanging data with other companies). So technically it is all customer data.

- The detection numbers are derived from the coverage of the SPN sensors distributed globally. This means the data is strongly correlated to a. how many products we sell and deploy in each country; and b. how many customers turn on the feedback mechanism, which allows us to collect threat data.

For example, hypothetically, if Trend Micro has a 50% market share in Malaysia and only 20% market share in Thailand, our sensors would naturally pick up more threats in Malaysia than in Thailand, simply because we have more sensors in Malaysia. But it may not necessarily mean there are more cyberthreats in Malaysia than in Thailand.

The sensors are by default turned off. Customers can choose to turn them on for better protection.

- Once these threats are detected, they are removed from the customers' IT environment.

- There is no normalization applied to the data.

Contents

SPN

(Smart Protection Network)

Ransomware Threats, ERS, FRS, and WRS

Top 5 Countries with the Most Number of Ransomware Detections

JUNE

Turkey	26.4%	1
China	21.6%	2
India	11.7%	3
United Arab Emirates	8.2%	4
United States	4.3%	5

MAY

1	China	30.4%
2	Turkey	12.2%
3	India	12.0%
4	United Arab Emirates	7.5%
5	United States	6.4%

For the top five countries with the highest number of ransomware threat detections in June, Turkey took the top spot from China, which previously occupied the top spot in April. Meanwhile, India, the United Arab Emirates, and the United States retained their respective positions from May to June.

Top 5 Countries with the Most Number of Email Threats

JUNE

United States	35.0%	①
China	6.5%	②
France	6.2%	③
Japan	5.9%	④
Germany	4.4%	⑤
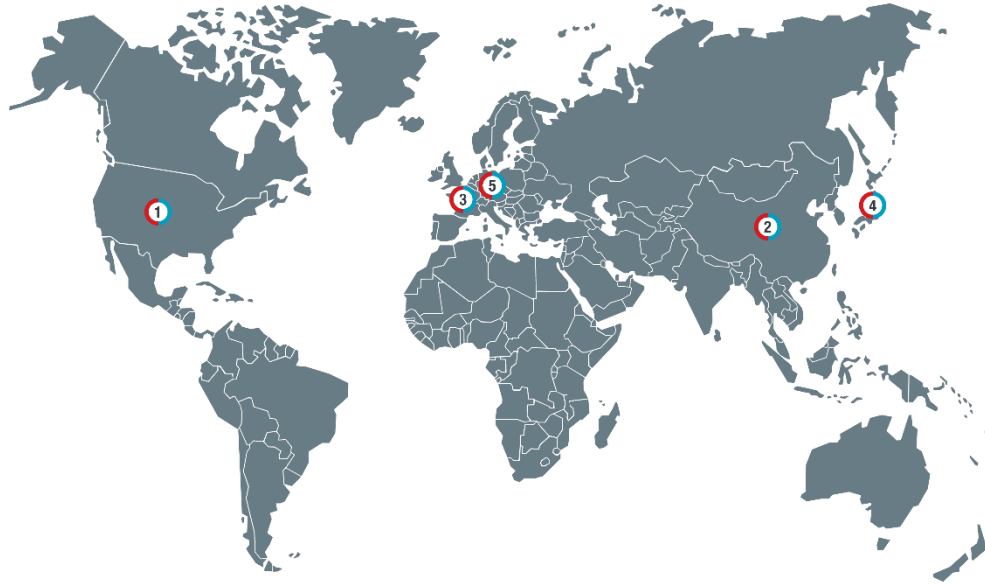
MAY

①	United States	32.5%
②	China	6.6%
③	France	6.2%
④	Japan	6.1%
⑤	Germany	4.1%

As for countries with the most number of email threats, the United States has consistently ranked the highest since April. Trailing behind in May are China, France, Japan, and Germany. These top 4 countries continued to hold their respective spots from May to June.

Top 5 Countries with the Most Number of CEO Fraud Detections

JUNE

United States	33.4%	①
United Kingdom	17.7%	②
Australia	17.5%	③
Germany	3.6%	④
New Zealand	3.5%	⑤

MAY

①	United States	34.3%
②	Australia	19.2%
③	United Kingdom	15.4%
④	New Zealand	4.4%
⑤	Germany	3.4%

For June, the United States still had the greatest number of CEO fraud detections. Taking the second place from Australia is the United Kingdom. As home to a multitude of global corporations, these countries remain prime targets for this type of threat.

Top 5 Countries with the Most Number of Malware Detections

JUNE

Japan	23.7%	①
United States	18.5%	②
Taiwan	4.9%	③
India	4.7%	④
France	4.2%	⑤

MAY

①	Japan	25.4%
②	United States	18.9%
③	Taiwan	5.2%
④	Australia	4.7%
⑤	India	4.1%

For malware detections, Japan continued receiving the highest percentage in June. The United States followed in second place. Completing the top 5 are Taiwan, India, and France. The rankings have changed slightly since May, with Australia dropping out and France making a comeback at fifth place this June.

Top 5 Countries with the Most Number of Banking Malware Detections

JUNE

China	11.2%	1
Japan	10.9%	2
United States	9.5%	3
Brazil	6.2%	4
Turkey	5.8%	5

MAY

1	Japan	14.5%
2	China	11.2%
3	United States	8.5%
4	Turkey	5.8%
5	Australia	5.2%

In June, China climbed to the second spot with the greatest number of banking malware detections. Next is Japan, which dropped from the top spot last May. The United States, on the other hand, remained at number three.

Top 5 Countries with the Most Number of Macro Malware Detections

JUNE

Japan	31.7%	1
China	15.8%	2
United States	9.4%	3
Australia	7.0%	4
Italy	3.3%	5
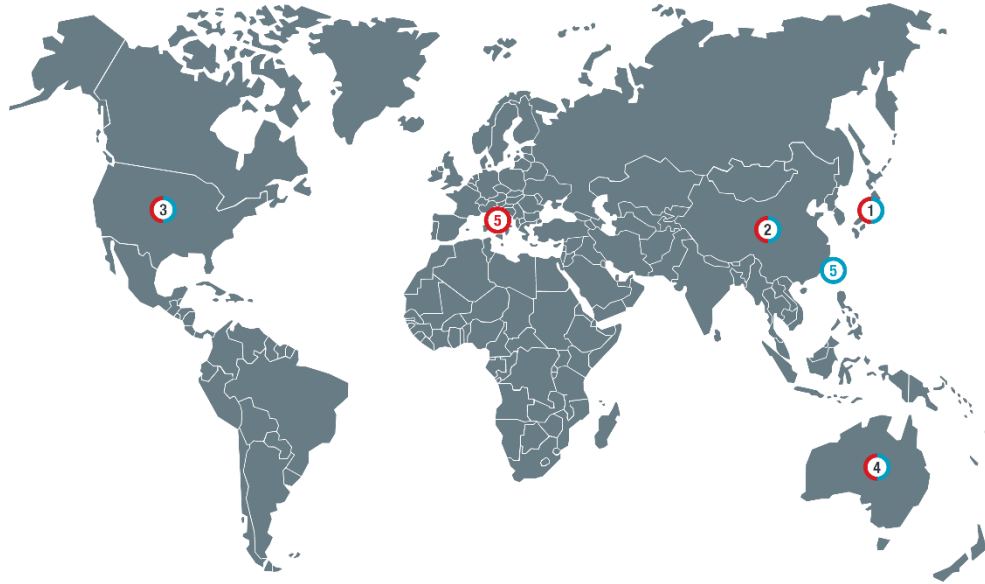
MAY

1	Japan	33.5%
2	China	15.0%
3	United States	10.1%
4	Australia	6.7%
5	Taiwan	3.9%

Both in May and June, Japan continued to dominate as the top country with the most number of macro malware detections. In the meantime, China, the United States, Australia, and Italy rounded up the ranking list for June.

Top 5 Countries with the Most Number of PoS Malware Detections

JUNE

United States	53.7%	①
Turkey	14.6%	②
Brazil	12.2%	③
Japan	4.9%	④
Taiwan	2.4%	⑤

MAY

①	Turkey	22.2%
②	United States	18.5%
③	Brazil	14.8%
④	Austria	3.7%
⑤	India	3.7%

Turkey dropped from the top rank for PoS malware detections in June. The United States, which previously ranked second in May, took the top spot in June. Brazil occupied the third place, followed by Japan and Taiwan.

Top 5 Countries with the Most Number of URLs Hosted

JUNE

United States	54.5%	1
Netherlands	4.7%	2
China	1.8%	3
Japan	1.1%	4
Dominica	0.6%	5

MAY

1	United States	70.4%
2	Netherlands	3.3%
3	Germany	1.5%
4	China	1.1%
5	France	0.6%

For June, the country with the greatest number of URLs hosted is still the United States. The Netherlands lagged behind while China climbed to third place. Lastly, Japan and Dominica made their debut as part of the top five, occupying the fourth and fifth places respectively.

Top 5 Countries with the Most Number of Users Accessing Malicious URLs

JUNE

Japan	47.4%	①
United States	10.9%	②
Taiwan	4.8%	③
Germany	3.5%	④
China	3.3%	⑤

MAY

①	Japan	61.7%
②	United States	8.4%
③	Taiwan	4.3%
④	Hong Kong	2.4%
⑤	China	2.2%

The country with the most number of users accessing malicious URLs continues to be Japan. The United States and Taiwan retained their ranks, while Germany came in at fourth, knocking Hong Kong off the top five. Meanwhile, China is still at fifth place for the month of June.

Top 5 Countries with the Most Number of Botnet Connections

JUNE

China	32.8%	①
India	10.0%	②
United States	8.6%	③
Indonesia	4.4%	④
Japan	4.2%	⑤

MAY

①	China	33.0%
②	India	12.2%
③	United States	8.2%
④	Japan	5.1%
⑤	Argentina	4.3%

The top three countries with the greatest number of botnet detections remained in their rankings from May to June, with China still at the top spot, followed by India, the United States, and Indonesia at the second, third, and fourth places respectively, while Japan dropped to the fifth spot in June.

Top 5 Countries with the Most Number of C&C Servers

JUNE

United States	20.4%	1
Russia	7.4%	2
Germany	4.9%	3
Netherlands	4.5%	4
France	3.7%	5

MAY

1	United States	11.6%
2	Netherlands	9.3%
3	Russia	5.4%
4	Germany	4.8%
5	France	3.1%

The United States retained its top ranking, while Russia stole the second spot from the Netherlands, which fell to the fourth place. Germany also climbed to the third place, while France continued holding on to fifth place for the month of June.

MARS

(Mobile Apps Reputation Service)

Android Malware and Mobile Ransomware

Top 5 Countries with the Most Number of Android Malware Detections

JUNE

Japan	57.5%	1
Taiwan	5.1%	2
Australia	1.5%	3
United States	1.5%	4
Brazil	0.9%	5

MAY

1	**Japan**	54.0%
2	**India**	8.5%
3	**Indonesia**	6.7%
4	**Taiwan**	4.7%
5	**Italy**	2.5%

Japan remained the country with the most number of Android malware detections since May. Taiwan, on the other hand, jumped to the second spot from fourth place last May. Although Australia made it to third place, the United States to the fourth, and Brazil to the fifth this June, it is notable that these three countries were not previously part of the top five last May.
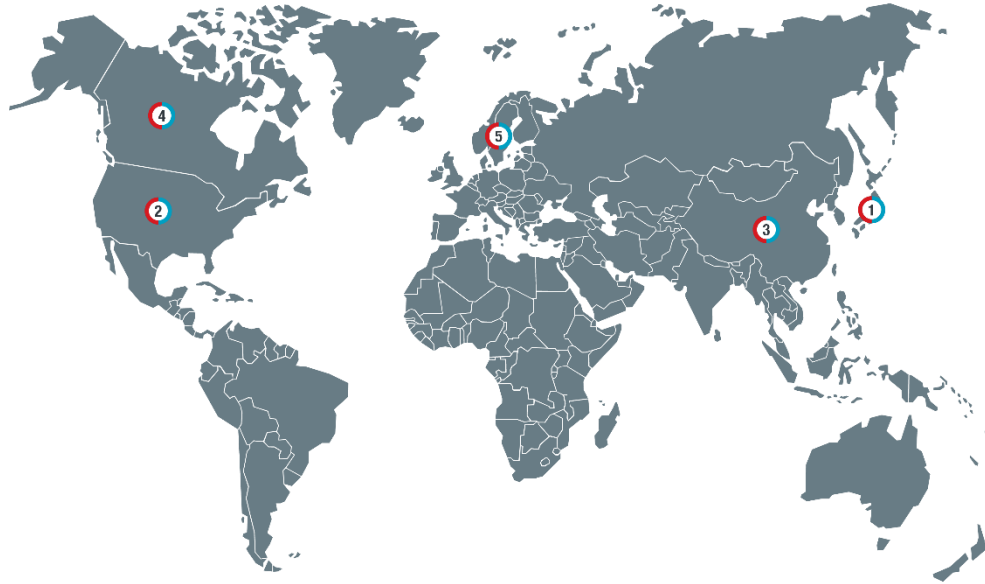
SHN

(Smart Home Network)

Router Distribution, Events, and Source Countries

Top 5 Countries with the Most Number of Active Router Detections

JUNE

Japan	27.0%	①
United States	22.7%	②
China	10.6%	③
Canada	3.7%	④
Sweden	3.4%	⑤

MAY

①	Japan	26.5%
②	United States	22.6%
③	China	11.0%
④	Canada	3.6%
⑤	Sweden	3.4%

The top five countries with the highest number of active router detections were Japan, United States, China, Canada, and Sweden. These countries retained their ranks from May to June.

Top 5 Countries with the Most Number of Outbound Events

JUNE

Taiwan	21.1%	①
United States	15.5%	②
China	9.3%	③
Japan	9.0%	④
Russia	5.8%	⑤

MAY

①	Taiwan	17.4%
②	United States	15.5%
③	Japan	8.1%
④	Russia	7.9%
⑤	India	7.5%

In June, Taiwan held the top spot as the country with the most number of outbound events detected. The United States slid to the second spot, followed by China, which was not in the top five last May. Meanwhile, Japan and Russia fell to the fourth and fifth place respectively.

Top 5 Countries with the Most Number of Inbound Events

JUNE

Taiwan	20.0%	1
United States	17.1%	2
China	6.3%	3
Hong Kong	4.2%	4
Russia	3.8%	5
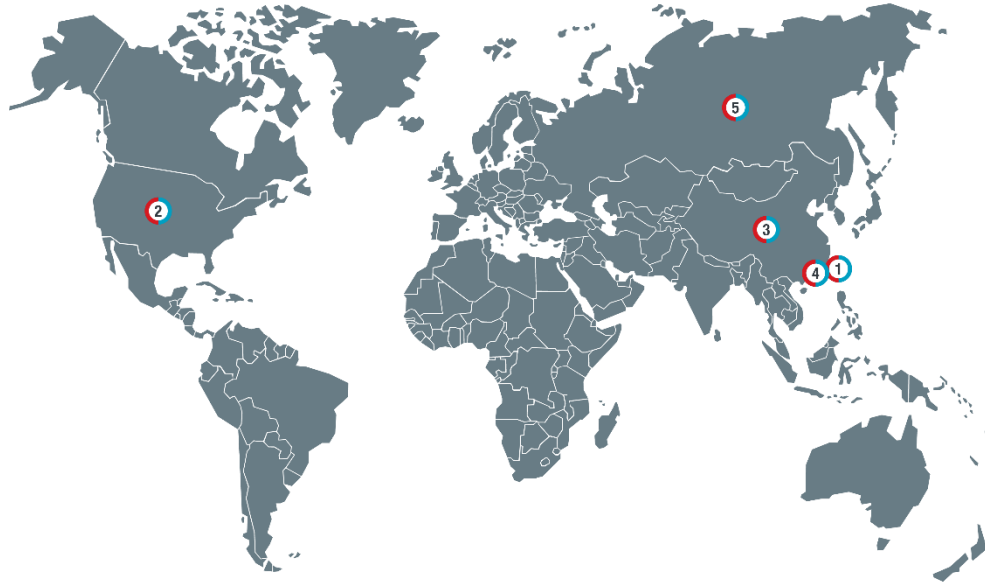
MAY

1	Taiwan	19.8%
2	United States	17.0%
3	China	6.3%
4	Hong Kong	4.6%
5	Russia	3.9%

For inbound events, the top country for the month of June was still Taiwan, followed by the United States. The same goes for China and Hong Kong, which retained their ranks at the third and fourth places respectively, while Russia remained at fifth place.

Top 5 Source Countries for Events

JUNE

Russia	10.7%	1
Vietnam	9.7%	2
China	9.3%	3
Taiwan	8.4%	4
United States	4.6%	5

MAY

1	**Russia**	11.8%
2	**Vietnam**	9.4%
3	**Taiwan**	8.9%
4	**China**	8.2%
5	**United States**	6.6%

Russia prevailed as the top source for events in June, closely followed by Vietnam. Not far behind is China, which rose to the third spot after stealing the position from Taiwan. For its part, Taiwan fell to fourth place. Finally, the United States held the fifth place.

Top 5 Source Countries for IPs

JUNE

Country	%	Rank
Vietnam	15.3%	1
China	11.6%	2
Indonesia	8.6%	3
India	8.5%	4
Russia	8.4%	5

MAY

Rank	Country	%
1	Vietnam	15.8%
2	China	12.3%
3	Russia	9.7%
4	Taiwan	7.9%
5	Indonesia	7.6%

The top five source countries for IPs in June are the following: Vietnam remained at the lead, while China held on to the second spot. Russia stayed at third, Taiwan at fourth, and Indonesia at fifth.

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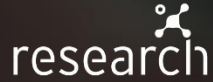
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