

Report from the Internet Monitoring (TALOT2)

February 2010

1. To the General Internet Users

In the Internet Monitoring (TALOT2), unwanted (one-sided) access in February totaled **121,167** cases for the 10 monitoring points and the gross number of the sources* was **49,130**: unwanted (one-sided) access captured at one monitoring point was **505** accessed from **205** sources per day (see the Chart 1-1).

Gross Number of Source (*): The gross number of the source accessed respective monitoring points in TALOT2. For your further information, the source is counted as 1 when accessed by the same source from the same day to the same point/port.

The environment for each monitoring point in TALOT2 is nearly equal to general users' Internet connection; it can be considered that the same amount of unwanted (one-sided) access may be received by the general internet users.

* Since system maintenance periods were fallen on February 5 to 8, the statistic information for monitoring points for February was aggregated by eliminating these 4 days. Generally, the TALOT2 system is fully operated.

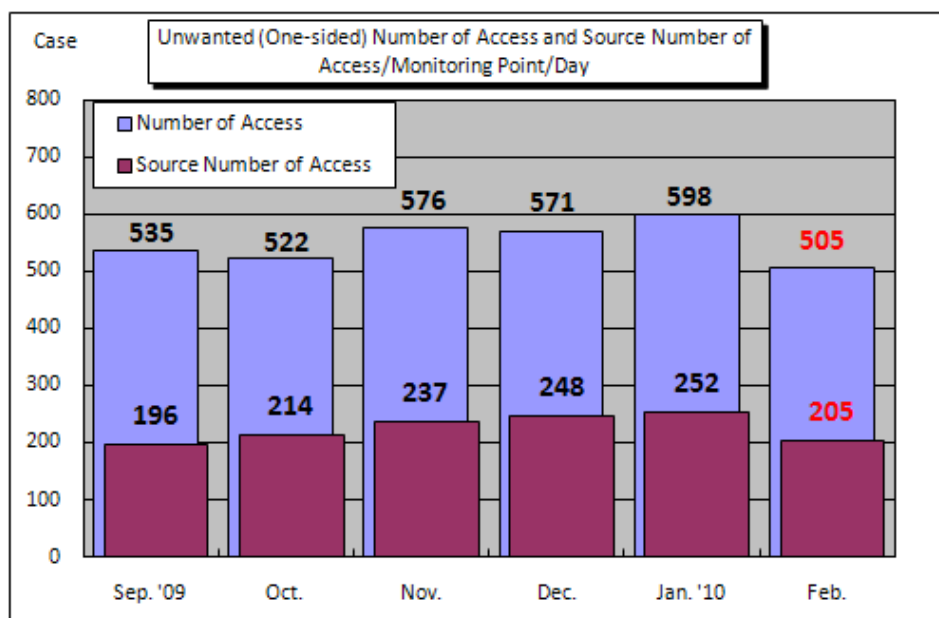


Chart 1-1: Unwanted (One-sided) Number of Access and Source Number of Access/Monitoring Point/Day in Average

The Chart 1-1 shows the unwanted (one-sided) number of access and source number of access/monitoring point/day in average from September 2009 to February 2010. Both unwanted (one-sided) number of accesses were significantly decreased from the one in January.

The Chart 1-2 shows the comparison in the number of access classified by destination (by port) in January and February. According to this chart, the access to the port 445/tcp decreased about 58% of the one in January and decreased entire number of access as its consequence.

Looking back to review the number of access to the port 445/tcp more specific, the accessing tendency in respective monitoring points was turned to be differed upon their IP addresses were newly allocated after the system was recovered from its maintenance period, from February 5 to 8. Since the number of access to the port 445/tcp in respective monitoring points were tended to decreasing, thus the entire number of access to the port 445/tcp was drastically decreased.

For your further reference, the Chart 1-3 shows the shift in number of access to the port 445/tcp in single monitoring point for which ups and downs were relatively remarkable.

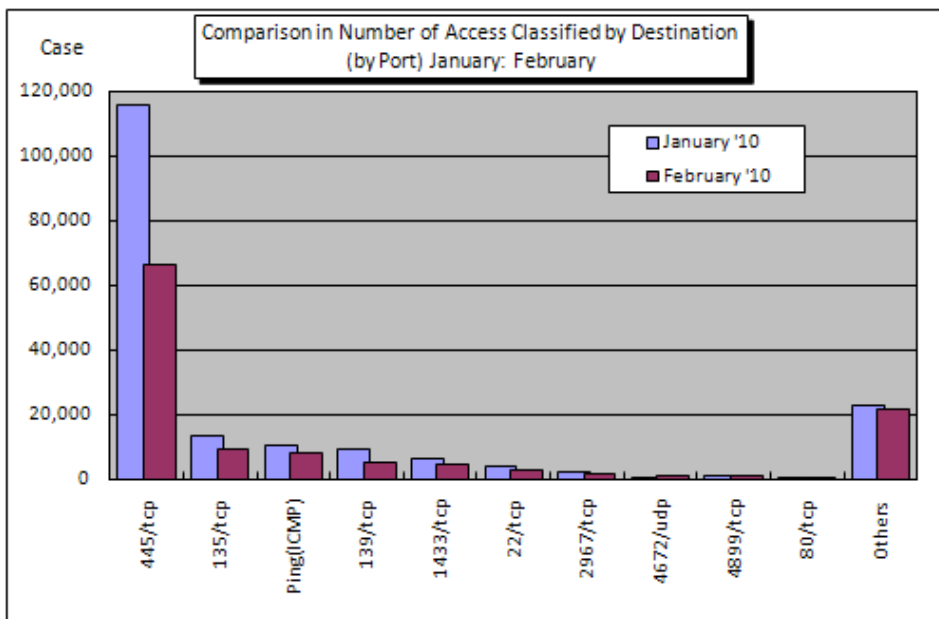


Chart 1-2: Comparison in Number of Access Classified by Destination (by Port) (January: February)

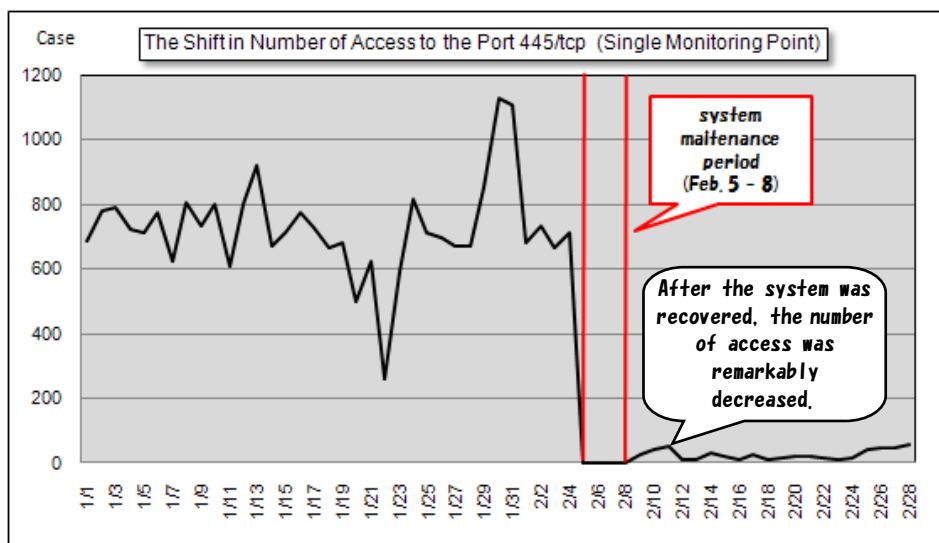


Chart 1-3: Shift in Number of Access to the Port 445/tcp (Single Monitoring Point)

2. Status for Unwanted (One-sided) Number of Access in February

(1) Accessing Status Classified by Destination (by Port)

The Chart 2-1 shows the shift in unwanted (one-sided) accessing status (number of access) and the Chart 2-2 shows the shift in unwanted (one-sided) accessing status (source number of access) in February 2010.

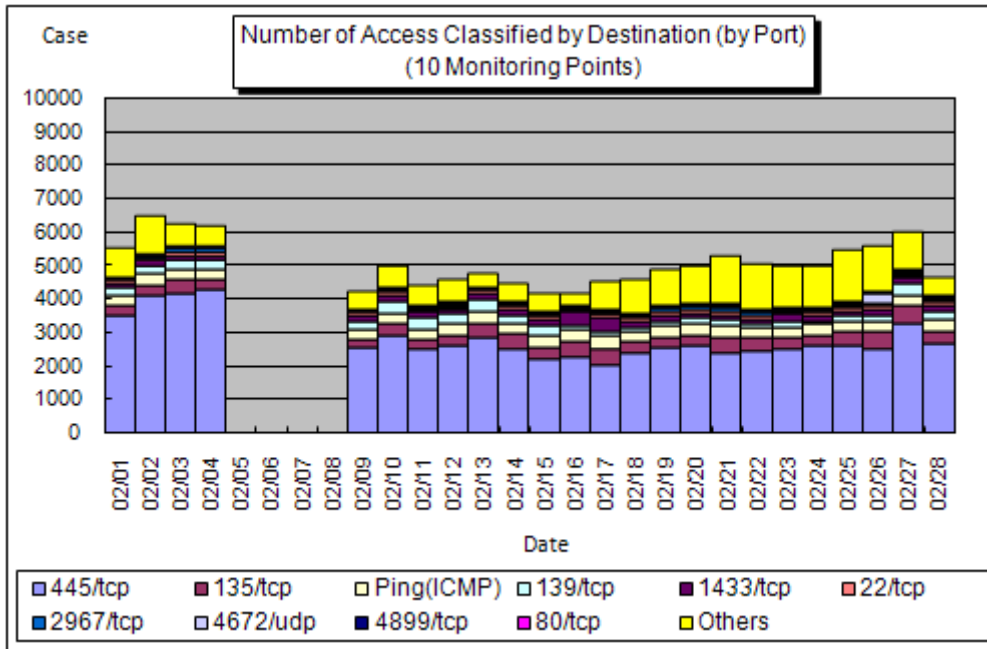


Chart 2-1: Number of Access Classified by Destination (by Port)/Day in February 2010

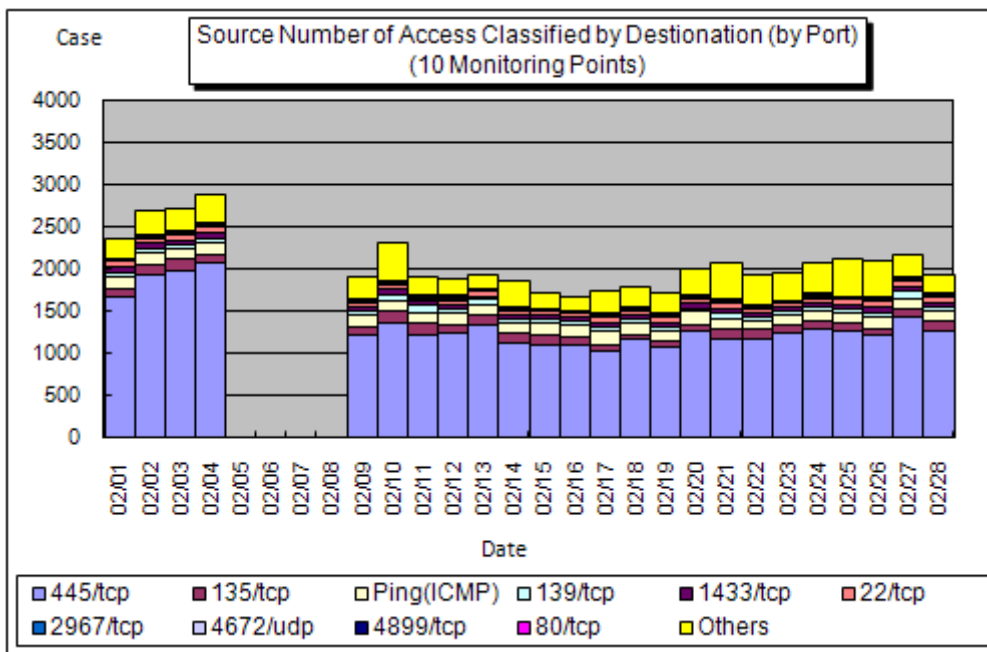


Chart 2-2: Source Number of Access Classified by Destination (by Port)/Day in February 2010

(2) Ratio Classified by Destination (by Port)

The Chart 2-3 shows the ratio in number of access classified by destination (by port) and the Chart 2-4 shows the ratio in source number of access classified by destination (by port) in February 2010. For your further information, numbers in ratio were rounded at the 1st arithmetic point so that their total may not make 100% sharp, accordingly.

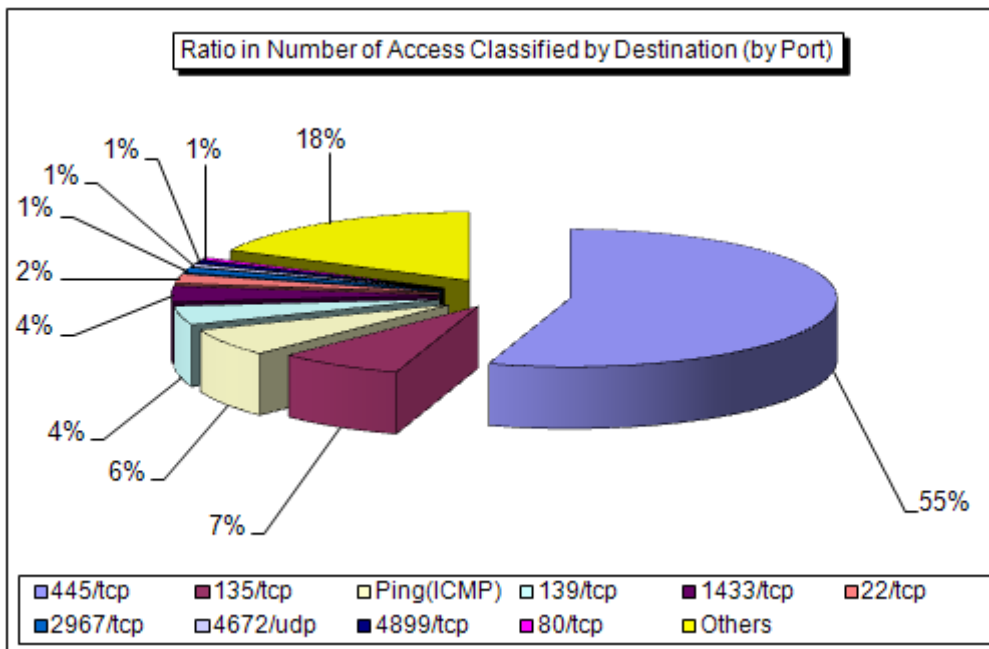


Chart 2-3: Ratio in Number of Access Classified by Destination (by Port) in February 2010

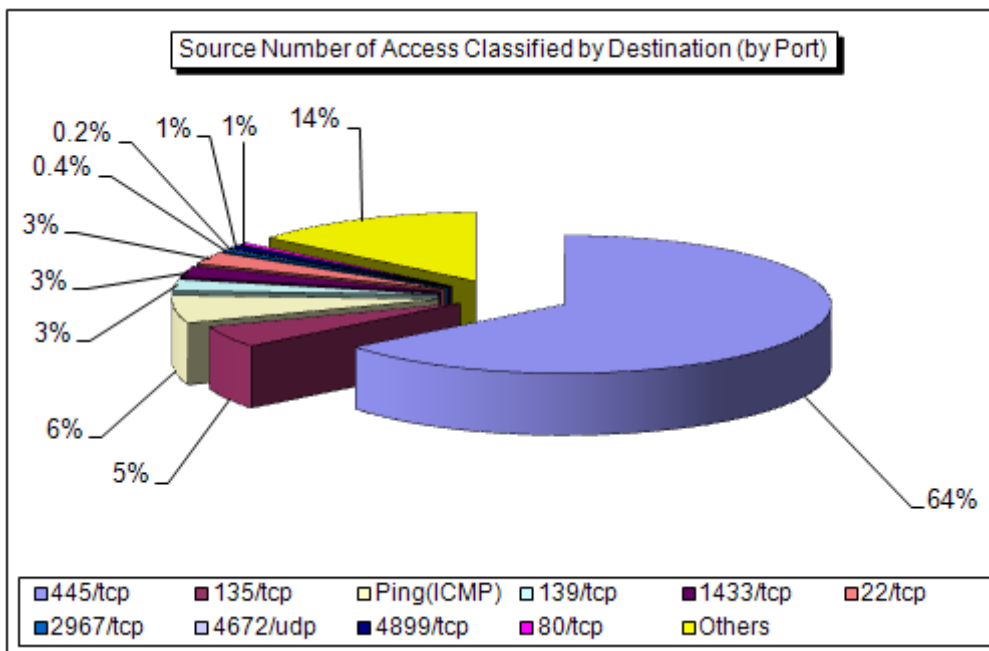


Chart 2-4: Source Number of Access Classified by Destination (by Port) in February 2010

(3) Accessing Status Classified by Source Area

The Chart 2-5 shows the shift in number of access classified by source area and the Chart 2-6 shows the ratio in number of access classified by source area in February 2010. For your further information, numbers in ratio were rounded at the 1st arithmetic point so that their total may not make 100% sharp, accordingly.

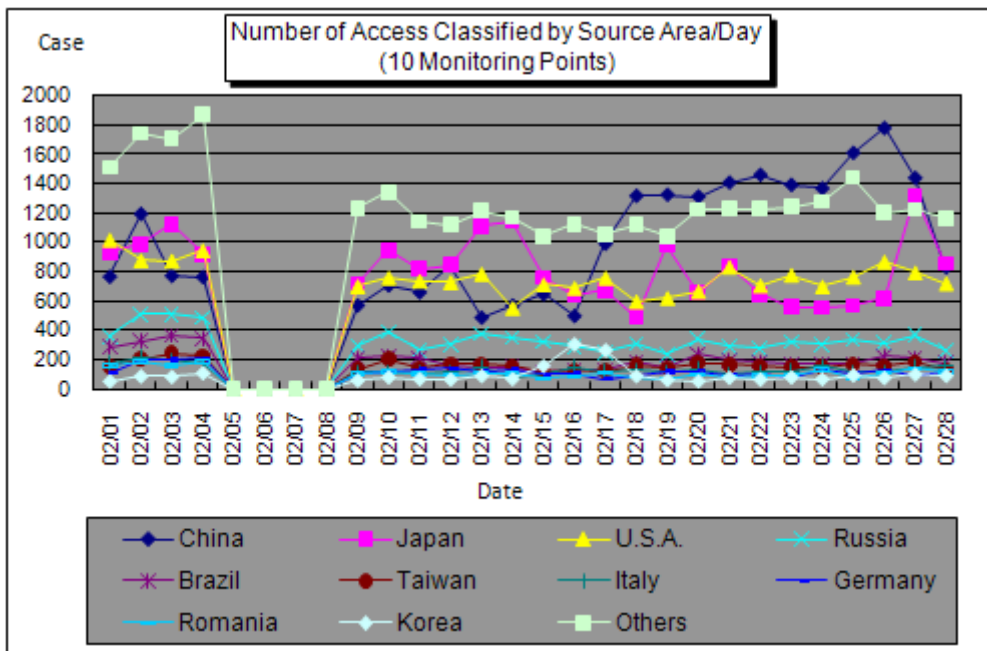


Chart 2-5: Number of Access Classified by Source Area/Day in February 2010

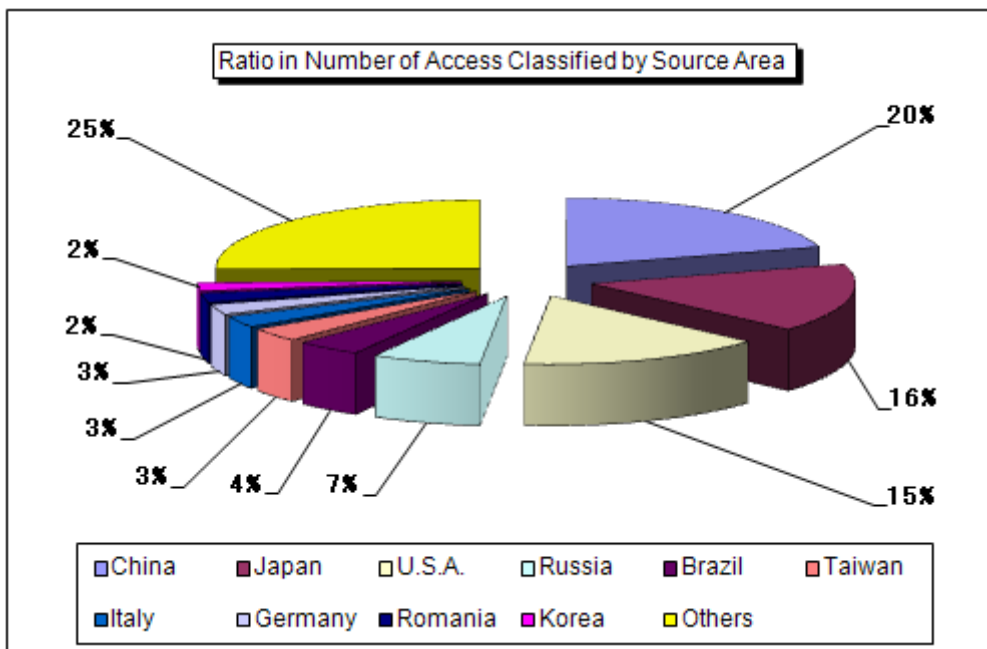


Chart 2-6: Ratio in Number of Access Classified by Source Area in February 2010

The Chart 2-7 shows the shift in source number of access classified by source area and the Chart 2-8 shows the ratio in source number of access classified by source area in February 2010. For your further information, the numbers in ratio were rounded at the 1st arithmetic point so that their total may not make 100% sharp, accordingly.

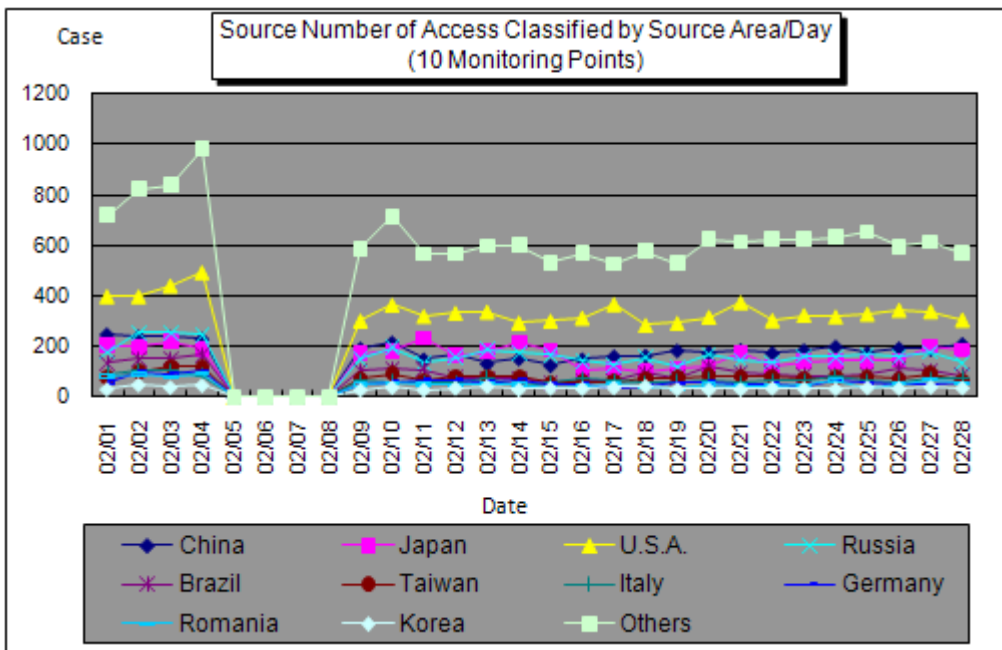


Chart 2-7: Source Number of Access Classified by Source Area/Day in February 2010

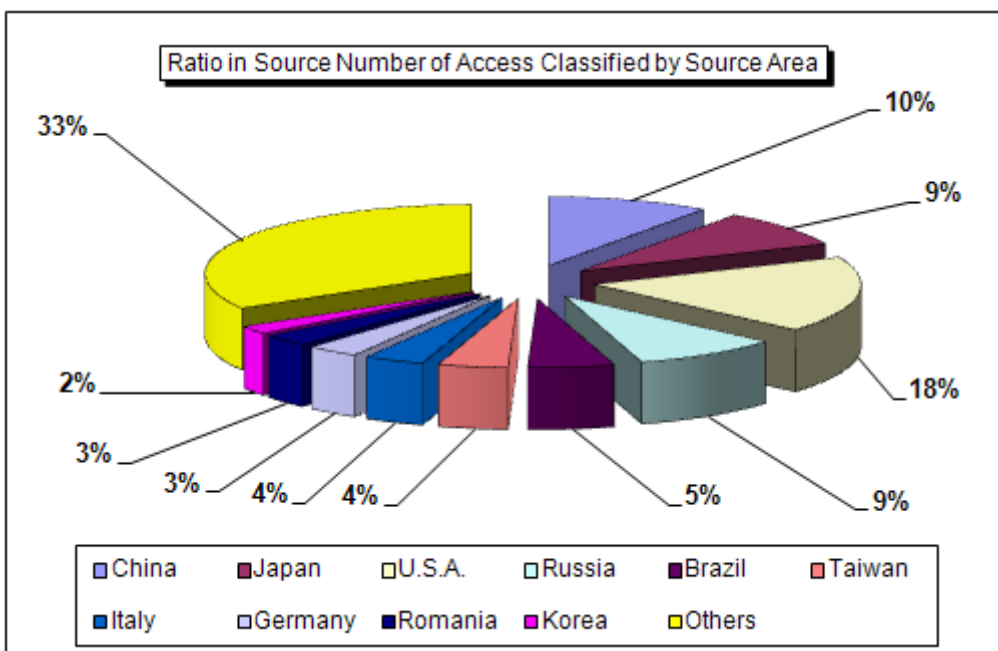


Chart 2-8: Ratio in Source Number of Access Classified by Source Area in February 2010

3. Statistical Information

(1) Ratio in Destination (by Port)

The Chart 3-1 shows the ratio in number of access classified by destination (by port) and the Chart 3-2 shows the ratio in source number of access classified by destination (by port) from September 2009 to February 2010.

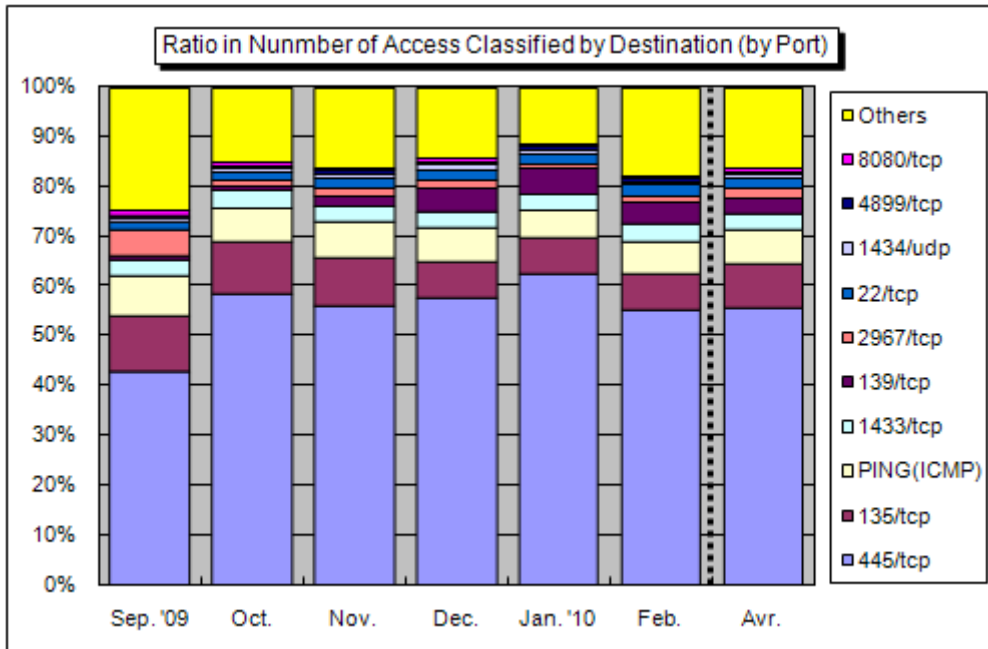


Chart 3-1: Ratio in Number of Access Classified by Destination (by Port) from September 2009 to February 2010

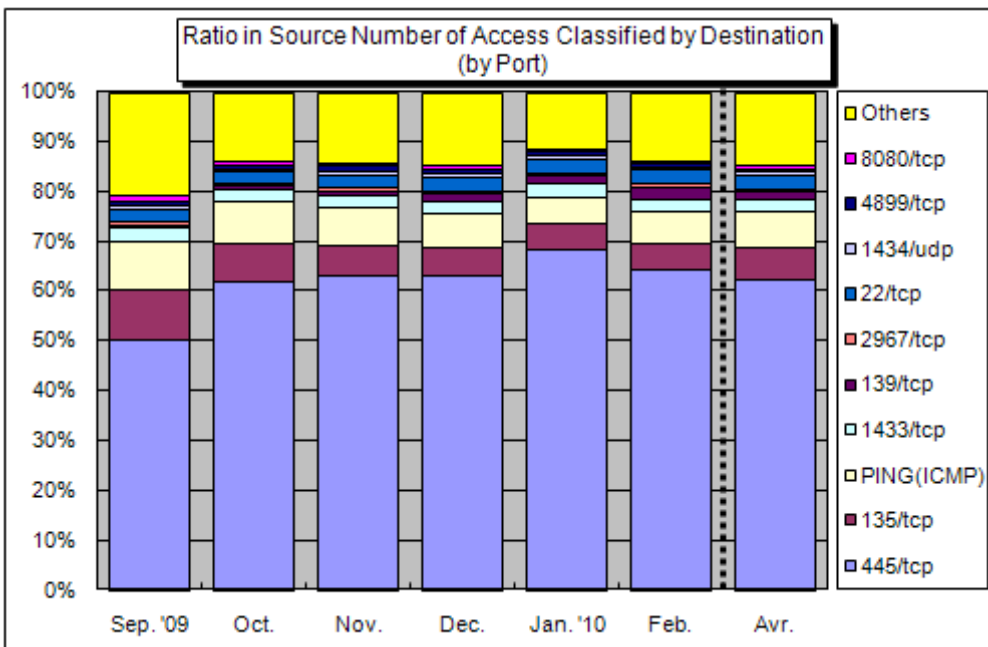


Chart 3-2: Ratio in Source Number of Access Classified by Destination (by Port) from September 2009 to February 2010

(2) Ratio Classified by Source Area

The Chart 3-3 shows the ratio in number of access classified by source area and the Chart 3-4 shows the ratio in source number of access classified by source area from September '09 to February 2010.

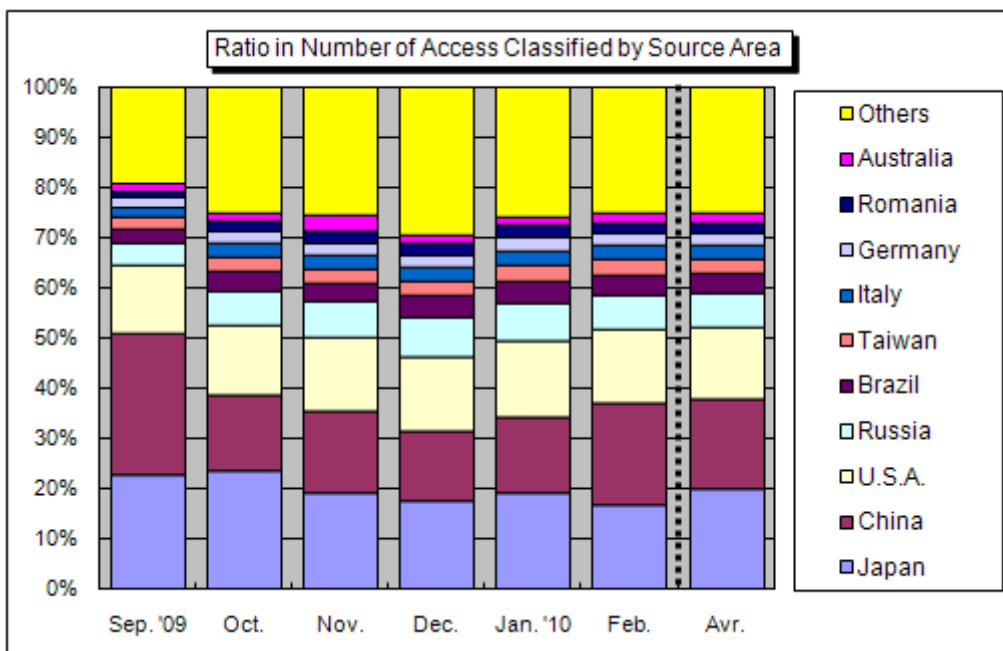


Chart 3-3: Ratio in Number of Access Classified by Source Area from September 2009 to February 2010

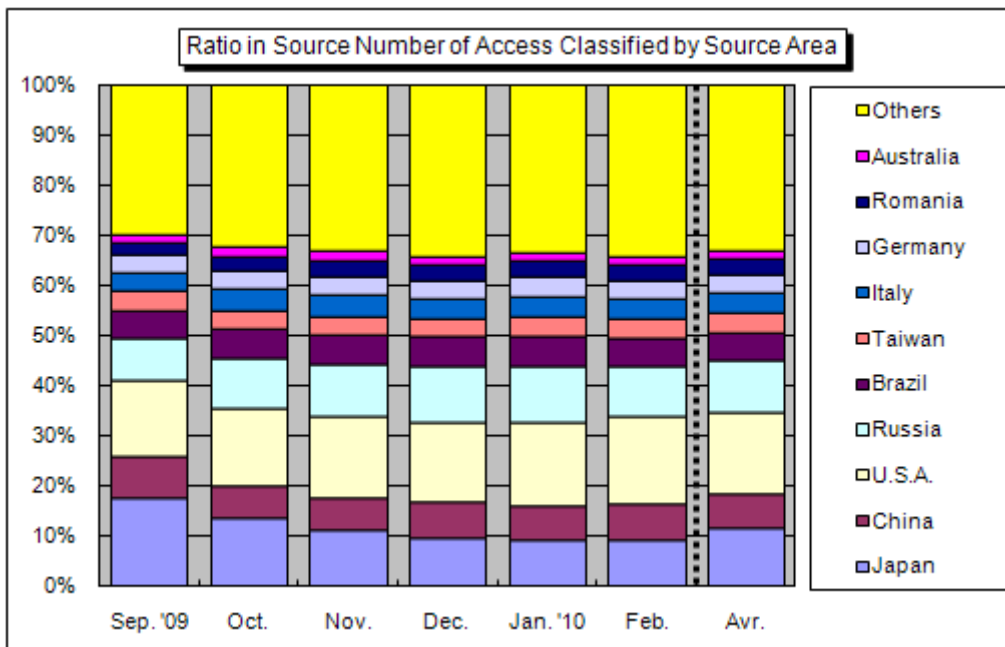


Chart 3-4: Ratio in Source Number of Access Classified by Source Area from September 2009 to February 2010

4. Supplementary Explanations

Following are the explanations for the destination (port type) remarkably accessed (either in-bound or out-bound or both) in February 2010.

Port Type	Interpretations/Descriptions
445/tcp	Renowned for those file sharing (network sharing) that has not been well-protected and unauthorized computer accesses (W32/Sasser, etc.) which targets vulnerabilities specifically in Windows 2000.
135/tcp	This is the default port for the Microsoft Windows Remote Procedure Call (RPC) and is renowned for the unauthorized computer accesses (W32/MSBlaster, etc.) which target vulnerability (MS03-026) relevant to RPC.
Ping (CMP)	This port is originally used to check if the other party or person's computer is in operation and is renowned for being exploited by W32/Welchia, etc. to search to target computers for unauthorized accesses.
139/tcp	Renowned by unauthorized computer access targeting the file (network) sharing for which security is insufficient; this port is frequently targeted by those accesses which target vulnerability in Windows.
1433/tcp	This is the default port for Microsoft SQL Servers which searches those computers for which SQL Server is in operation. The port is also renowned for unauthorized computer access activities which target vulnerabilities in SQL Servers.
22/tcp	The access which targets SSH (Secure Shell: the command execution tool for which security is enough strengthened by encrypting its communication path) to intrude to a system by password cracking attack.
2967/tcp	High potential of access which targets vulnerability in Symantec products such as Symantec Client Security and Symantec AntiVirus, etc.
4672/tcp	The access increase was only monitored by specific monitoring points in the end of February: the cause has not yet been identified.
4899/tcp	Renowned by unauthorized access targeting the vulnerability in RAdmin (RAdmin is the one of applications that can operate several computers remotely).
80/tcp	This is the port used by HTTP, the protocol for web access: it is highly probable that the access targets the vulnerability (ies) in web applications.

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