



TWCERT/CC

Anti-Phishing status report



Objectives

- Reduce/prevent financial losses from phishing attacks
- Speedup the anti-phishing process and reduce the uptime of Taiwan phishing sites within 24 hours
- Predict the phishing behavior and stop it in advance

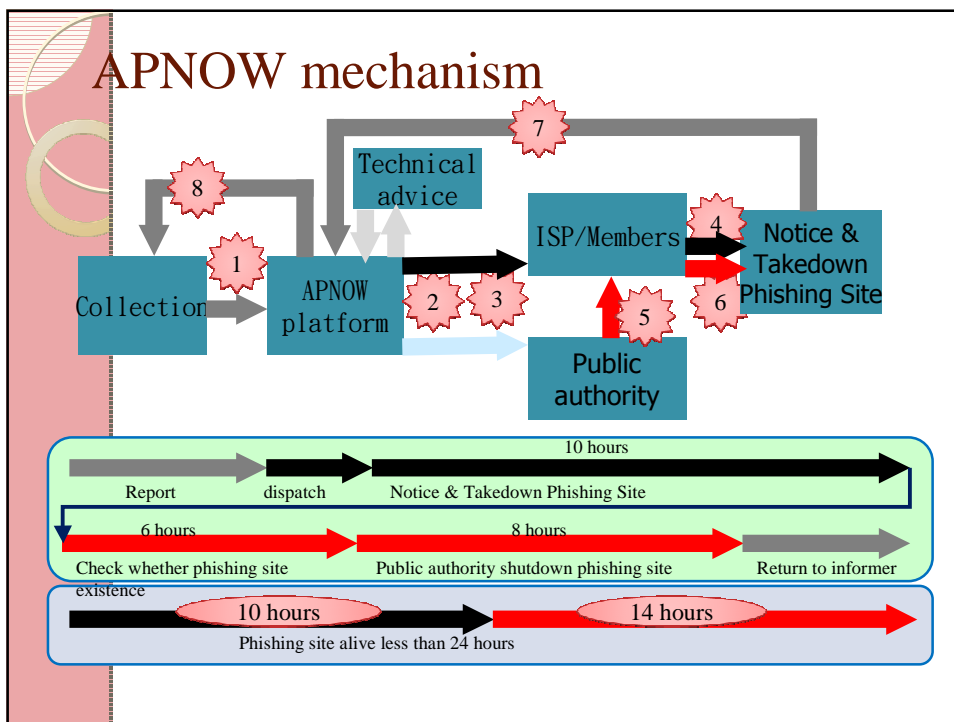
Participant

- Ministry of Transportation and Communications
- National Communications Commission/NCC CERT
- Research Development Evaluation Commission/TWNCERT/Information & Communication Security Technology Center
- Ministry of Education/TANet CERT/Nation Sun Yat-sen University
- Taiwan Internet Association
- ISPs
- TWCERT/CC

Phishing sites in Taiwan

TLD	TLD Location	# Unique Phishing attacks	Unique Domain Names used for phishing	Domains in registry November	Score: Phish per 10,000 domains	Score: Attacks per 10,000 domains	Average Uptime hh:mm:ss
2H2008	Taiwan	226	144	406,669	3.5	5.6	-
1H2009	Taiwan	290	194	425,551	4.6	6.8	47:52:21
2H2009	Taiwan	168	108	440,000	2.5	3.8	51:42:12
1H2010	Taiwan	121	85	449,332	1.9	2.7	54:25:46

Source : APWG Global Phishing Survey: Trends and Domain Name Use



Statistics

- There are 388 instances since 2010Q4
- Phishing sites average uptime is 22.5 hours

	2010Q4	2011Q1	2011Q2	2011Q3	Total
Instance	95	74	135	84	388
Average uptime	25.1	24.6	24.1	19.0	22.5

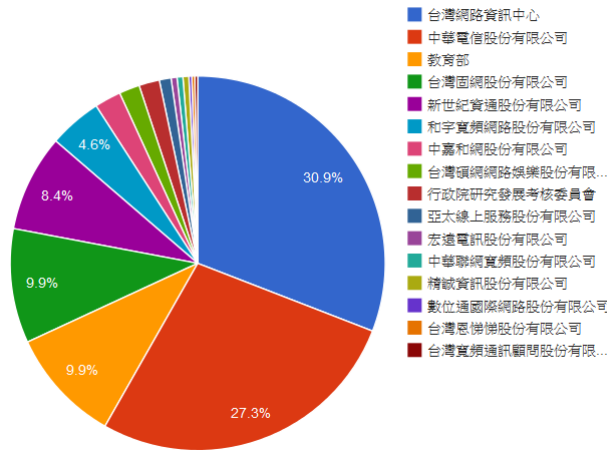
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Uptime statistics by ISP

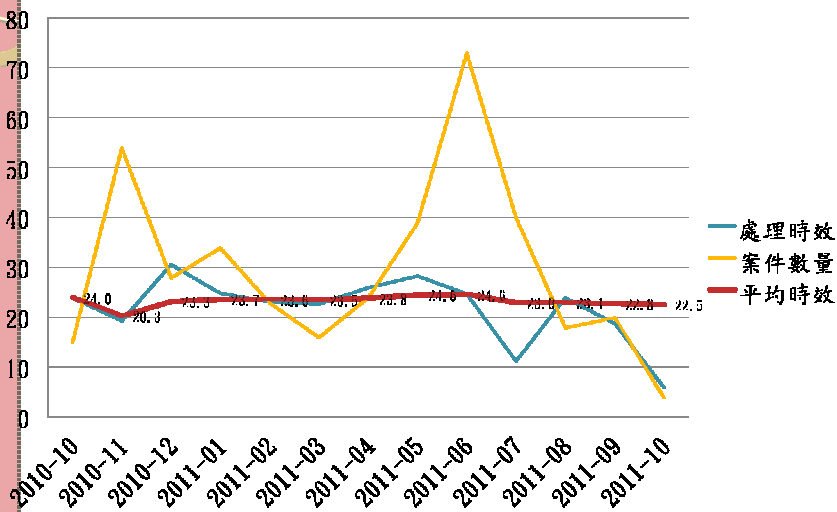
ISP	2010Q4		2011Q1		2011Q2		2011Q3	
台灣網路資訊中心			25.7	10	24.5	17	13.6	45
中嘉和網股份有限公司	10.3	2	5.8	4	38.4	3		
中華聯網寬頻股份有限公司	22.9	2			11.0	34		
中華電信股份有限公司	18.8	25	13.7	36	11.0	33	13.0	12
亞太線上服務股份有限公司	5.8	3	10.3	1				
台灣固網股份有限公司	19.7	31			21.0	5	19.9	4
台灣碩網網路娛樂股份有限公司	24.6	1	41.3	1	32.7	3	47.4	2
宏遠電訊股份有限公司	5.1	2						
教育部	16.8	11	23.3	10	31.5	15	14.9	4
新世紀資通股份有限公司	61.7	12	81.7	6	20.2	10	14.8	4
精誠資訊股份有限公司	19.9	2						
行政院研究發展考核委員會	14.5	4			11.5	3		
和宇寬頻網路股份有限公司			23.9	6	40.4	9	55.4	3
台灣寬頻通訊顧問股份有限公司					23.5	1		
台灣恩梯梯股份有限公司					44.7	1		
數位通國際網路股份有限公司					0.1	1		
Total	25.1	95	24.6	74	24.1	135	19.0	84

Statistics percentage by ISP

APNOW 各ISP 案件統計



APNOW Statistics



Notice & Takedown principles

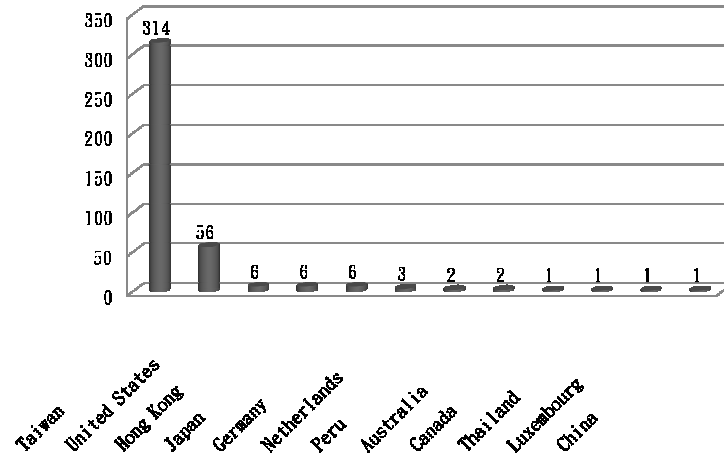
	Phishing site IP in Taiwan	Phishing site IP not in Taiwan
Taiwan Company	ISP notice or block	TWCERT/CC contact foreign CERT for help 、register (phish tank 及 Browsers Firefox & IE smart screen)
Foreign Company	ISP notice or block	Forward the case to foreign CERT

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Instance analysis

	Phishing site IP in Taiwan	Phishing site IP out of Taiwan
Taiwan Company	1 (Online Game)	Online Game: 9 Windows Live : 34
Foreign Company	PayPal 、Bank 、cBay: 209 Social Network 41 IRS 10 Not a phishing 38 Other 7	Forward to foreign CERTs: 28 Fault instance: 14

Collected phishing sites by country



THANKS