$TABLE\ I$  Dataset for EN-EPTC(End-to-End Non-proxied Traffic-based Encrypted Proxy Traffic Classification Framework)

Website	Shadowsocks			VMess			Trojan			VLESS		
Wensite	Flow-pair	Non-proxied packet	Proxied packet	Flow-pair	Non-proxied packet	Proxied packet	Flow-pair	Non-proxied packet	Proxied packet	Flow-pair	Non-proxied packet	Proxied packet
www.huaweicloud.com	14,589	3,605,588	4,008,473	9,740	5,731,800	1,242,307	9,828	5,061,801	1,145,987	8,323	1,552,796	436,195
www.lixiang.com	10,918	2,029,521	2,171,227	8,506	2,304,462	527,147	8,456	2,018,834	489,308	8,380	1,985,717	474,058
www.h3c.com	21,693	6,718,099	8,780,104	17,263	8,237,860	1,907,842	17,159	8,386,851	2,039,599	17,424	6,903,040	1,597,189
www.oppo.com	11,982 7,757	1,918,080 1,693,165	2,087,423 1,884,909	11,933 5,945	2,011,525 1,416,832	583,534 433,189	11,866 5,865	2,057,776 1,246,949	589,193 398,741	11,994 6,200	2,063,085 1,537,812	587,863 459,460
www.amd.com www.360.cn	49.238	2,619,657	2,845,171	41,972	1,904,032	1,087,935	43,700	2,126,923	1,144,433	43,467	2,432,159	1,168,529
www.oracle.com	7,890	1.089.036	1.302.441	2.095	293.517	126.423	6,753	529,388	268.630	7.054	1.151.258	462,370
www.vmware.com	7,740	551,797	620,475	6,505	481,185	231,617	6,439	472,781	223,670	6,533	477,768	225,242
www.sina.com.cn	111.108	4.403.991	4,733,092	77.624	3,646,061	2,112,720	79,002	3,714,576	2,134,935	82,148	4,039,339	2,205,530
www.163.com	41,075	2,628,356	2,770,169	30,736	1,977,213	1,058,311	32,027	2,044,060	1,085,695	31,684	2,223,650	1,114,892
www.10jqka.com.cn	27,355	1,189,346	1,295,972	14,546	720,352	383,469	14,166	800,217	390,563	13,438	903,788	398,751
www.csdn.net	25,039	2,526,746	2,711,670	12,044	1,638,510	523,719	12,282	1,637,151	523,904	12,381	1,815,547	547,781
openai.com	5,764	1,579,894	1,713,165	5,103	958,495	364,641	5,181	1,164,799	426,331	5,191	1,136,854	395,401
leetcode.cn	18,920	1,550,207	1,672,196	16,964	1,552,553	617,760	17,095	1,665,900	633,975	16,862	1,626,078	621,267
ctrip.com	31,040	2,044,007	2,214,683	28,663	1,367,919	793,692	28,700	1,449,692	798,206	27,802	1,684,788	814,127
www.apple.com	6,224	1,803,883	1,938,816	4,072	1,260,814	307,295	4,131	1,283,970	322,545	4,088	1,473,166	339,235
www.live.com	8,473	1,546,811	1,772,225	7,525	1,056,286	414,564	7,647	1,118,642	428,532	7,728	1,272,934	458,283
www.w3.org	747 8,430	205,766	223,084	726 8,319	211,003	73,746	721	210,144	73,495	722 8,356	218,658	72,884
www.xmind.app	5,075	1,810,393 375,995	1,960,649 406,769	1,573	1,080,666 249,678	385,318 85,796	8,357 1,578	1,171,773 281,427	409,252 92,331	1,597	1,469,654 308,703	453,691 95,297
www.booking.com www.cbsnews.com	16,625	2,176,309	2,605,548	1,5/3	2,421,435	853,273	1,578	1,753,360	713,246	15,097	1,837,288	723,294
www.gnu.org	6,634	724,681	813,234	6,666	742,725	244,494	6,693	745,087	242,485	6,648	746,957	239,891
www.lavanguardia.com	26,157	1,911,209	2,247,548	16,678	1,493,248	682,671	17,133	1,497,559	682,908	18,366	1,684,381	749,710
www.alibaba.com	25,830	1,050,422	1.154.055	18,650	750,433	477,547	19,403	795,469	494,252	18,746	837.113	495,435
www.ovh.net	7,421	600,579	667,965	6,295	588,113	237,220	6,310	595,567	234,307	6,152	590,703	229,095
www.imdb.com	9,980	1,870,775	2.024.704	8,659	1.152.081	504,460	8,804	1,233,327	529,372	9,101	1.470.285	582,768
www.brandbucket.com	12,282	798,881	878,661	10,942	751,950	378,308	11,497	786,327	392,842	10,916	754,219	370,667
www.yandex.com	3,754	266,538	275,137	1,582	179,893	81,225	1,656	190,370	84,393	1,760	211,004	92,524
www.tripadvisor.com	2,285	212,167	251,785	4,731	335,077	142,162	2,054	211,200	74,653	2,076	207,008	74,032
www.addtoany.com	2,317	131,301	137,446	2,237	134,789	76,159	2,232	136,285	76,066	2,234	137,585	76,281
cloud.baidu.com	13,955	1,544,724	1,669,178	7,930	611,090	246,968	11,477	686,275	312,183	11,902	1,014,170	380,280
www.amazonaws.cn	16,965	7,458,609	8,079,226	15,611	8,248,702	2,014,711	15,685	7,914,711	2,017,606	15,822	7,954,228	1,920,536
www.qq.com www.ymtc.com	31,763 4.486	2,949,564 17,458,871	3,167,399 19,045,596	20,706 4,434	2,569,232 17,631,928	818,823 3,203,676	22,366 4,432	2,606,675 17,513,352	848,547 3.133,172	24,647 4.445	3,216,103 17,589,883	973,479 3,104,005
www.yinic.com www.vivo.com	14.184	2.382.088	2.547.025	10,977	2.036.408	535,900	10,886	1,989,194	529.810	11.032	2.689.085	634,996
www.jetbrains.com	8,356	2,901,651	3,110,205	7,184	1,558,244	523,568	7,623	1,818,691	596,093	7,682	2,245,293	662,917
www.eastmoney.com	41,579	1,561,829	1,692,135	37,703	1,516,908	923,229	38,010	1,595,124	930,048	38,320	1,600,024	921,294
www.sohu.com	113,965	4,765,368	5,106,561	74,167	3,669,424	2,068,751	73,886	3,767,360	2,055,039	77,925	4,060,015	2,139,513
www.chinaz.com	13,603	1.115.035	1,205,226	9,773	927.919	374.476	9,689	854,007	346,942	9,864	1.022.576	381,721
ubuntu.com	8,593	2,484,239	3,043,644	5,654	1,718,134	590,408	5,691	1,870,360	634,340	8,736	1,802,736	659,279
www.gamersky.com	47,636	3,653,569	3,929,267	36,544	3,329,246	1,440,219	37,052	3,248,491	1,417,480	37,555	3,191,069	1,402,151
www.iflytek.com	10,419	9,112,139	9,607,386	9,695	10,340,368	1,979,054	9,660	9,550,344	1,826,922	9,632	10,309,448	1,911,507
www.adobe.com	2,830	155,976	172,231	2,664	167,472	89,125	2,693	172,460	90,165	2,924	184,279	97,289
www.dan.com	13,209	1,043,524	1,144,953	12,842	1,011,550	507,123	12,944	1,053,329	516,253	13,112	1,082,156	514,979
www.wiley.com	1,088	183,789	216,987	1,237	229,864	88,048	1,186	233,087	88,065	1,104	203,140	76,647
www.nginx.org	2,215	60,273	63,504	740	34,839	19,673	743 4,408	35,243	19,802	718	33,992	19,155
www.networkadvertising.org www.ziddu.com	4,678 4.083	2,730,234 774,166	2,947,667 855,255	4,406 1.031	1,445,434 724,270	335,282 144,956	1.151	1,590,396 830,158	365,446 163,743	4,448 1,236	1,961,916 814,743	419,367 160,751
www.ziddu.com www.arxiv.org	621	110,965	135,453	511	95,099	41,331	667	124,181	53,281	534	99,643	42,550
www.arxiv.org www.surveymonkey.com	8.222	886,281	979,379	6,678	807,212	341,837	6,748	774,432	330,087	5,718	726,694	287,894
www.msn.com	22,949	3,180,336	3,613,892	18,678	2,859,658	1,067,562	21,096	3,631,352	1,315,156	14,241	3,600,760	1,063,834
www.instructables.com	7.860	1.746,290	2.079.847	4.189	1,269,845	408.204	4.585	1.447.788	457.411	4.727	1,565,764	469.216
www.php.net	1,419	557,927	627,232	1,160	367,585	93,587	1,120	343,786	89,658	1,206	392,343	98,922
www.ikea.com	2,346	454,593	526,033	1,563	552,588	161,745	1,573	435,392	142,662	1,561	358,101	119,113
www.dropcatch.com	1,353	474,495	511,705	1,415	484,455	116,068	1,382	483,157	114,756	1,362	483,446	110,866
www.ietf.org	3,484	475,911	597,414	2,587	493,421	197,926	2,593	395,661	162,974	2,702	444,532	175,839
www.redbull.com	5,992	4,809,759	5,508,410	5,669	6,453,801	1,535,073	5,522	5,961,669	1,463,605	5,771	4,166,993	1,092,215
www.scholastic.com	1,124	688,764	773,395	850	150,624	49,386	858	169,086	52,622	959	476,044	108,690
www.weather.com	12,862	1,391,934	1,663,071	11,070	1,083,866	502,922	11,603	1,042,011	488,762	11,802	1,185,282	527,321
www.interia.pl	10,749	999,786	1,099,368	8,620	631,643	305,565	8,605	647,587	307,440	8,866	734,537	334,357
Total	746,750	129,745,889	143,887,440	728,591	119,671,336	37,663,740	746,750	119,173,564	38,013,919	753,021	119,962,332	37,372,425