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2007 글로벌과학기술협업연구망 (글로벌리아드) 모니터링 보고서

일 자: 2007년 12월 14일
부 서: 고성능연구망사업단
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'07년 04월2주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 03월 27일 ~ 2007년 04월 10일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	United States	StarTap (206.220.241.33)	Korea (South)	KIAS (210.98.31.3)	UDP-Other	9631.6	19.5
2	Korea (South)	PKNU (220.92.66.235)	Australia	curtin.edu.au (research.wasm.curtin.edu.au)	UDP-Other	2067.5	4.2
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1227.7	2.5
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1214.5	2.5
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	1153.5	2.3
6	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1085.7	2.2
7	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	766.1	1.5
8	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	685.5	1.4
9	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Yonsei Univ. (165.132.26.188)	TCP-Other	453	0.9
10	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Yonsei Univ. (165.132.26.175)	TCP-Other	446.1	0.9
11	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	413	0.8
12	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	398.7	0.8
13	United States	Penn State (cs-test.ist.psu.edu)	Korea (South)	Kwangju Institute of Science & Technolog (150.183.112.221)	TCP-Other	393.9	0.8
14	Korea (South)	KIST (kistmail.kist.re.kr)	Netherlands	springer-sbm.com (mail4.springer-sbm.com)	TCP-Other	389.8	0.8
15	United States	Fermi Natl Lab (fcdfdata130.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	332.3	0.7
16	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	302.3	0.6
17	United States	Penn State (cs-test.ist.psu.edu)	Korea (South)	KREONet (150.183.112.202)	TCP-Other	283.6	0.6
18	United States	NOAA (140.208.31.103)	Korea (South)	SNU (typhoonx.snu.ac.kr)	TCP-Other	272.5	0.6

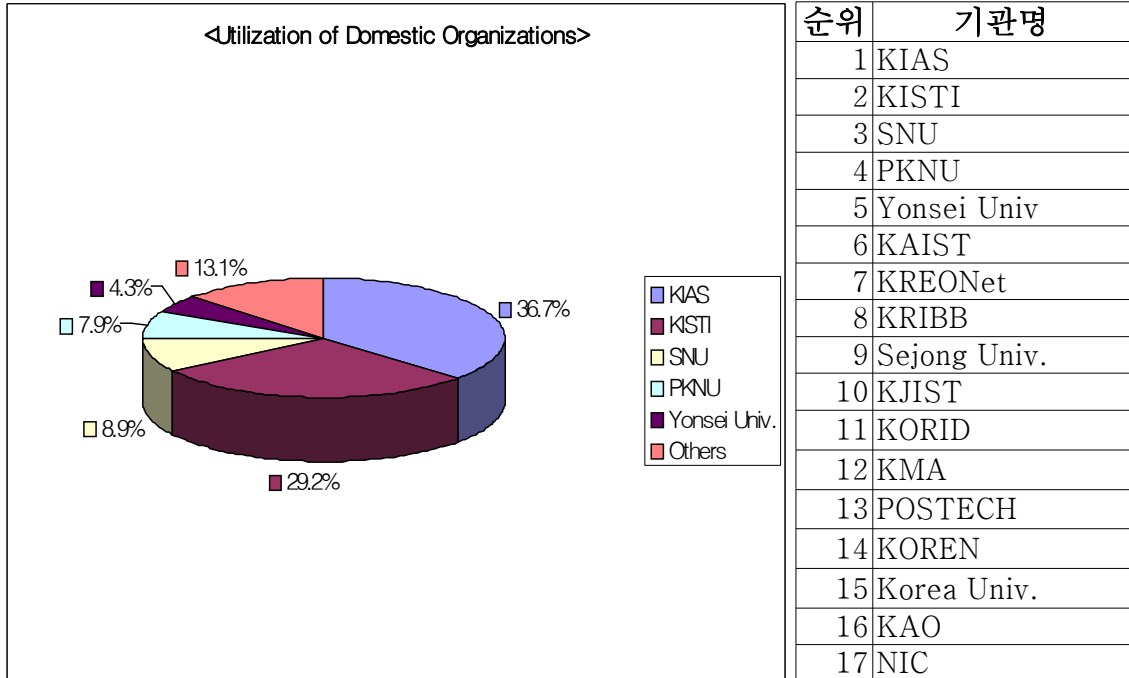
19	United States	MCNC–NCREN (elk.ncrn.net)	Korea (South)	KAIST (news–hub.kaist.ac.kr)	TCP–Other	257.2	0.5
20	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	China	IHEP–CN (cmsse01.ihep.ac.cn)	TCP–Other	194.2	0.4
21	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP–Other	193.4	0.4
22	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	Yonsei Univ. (165.132.26.177)	TCP–Other	186	0.4
23	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (gcm.snu.ac.kr)	TCP–Other	167.2	0.3
24	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP–Other	146.5	0.3
25	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	China	IHEP–CN (cmsse01.ihep.ac.cn)	TCP–Other	142.9	0.3
26	United States	NASA (ladswb.nascom.nasa.gov)	China	cnnic2.ac.cn (210.72.26.26)	TCP–Other	141.7	0.3
27	Korea (South)	KIST (kistmail.kist.re.kr)	United States	NC State Univ (uni02mr.unity.ncsu.edu)	TCP–Other	141.7	0.3
28	United States	San Diego Supercomputer Ctr (pdb112.sdsc.edu)	Korea (South)	SNU (biocom2.snu.ac.kr)	TCP–Other	141.5	0.3
29	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	China	IHEP–CN (cmsse01.ihep.ac.cn)	TCP–Other	139.7	0.3
30	United States	San Diego Supercomputer Ctr (pdb212.sdsc.edu)	Korea (South)	SNU (biocom2.snu.ac.kr)	TCP–Other	136.5	0.3
31	United States	ATMOS (manabe.atmos.uiuc.edu)	Korea (South)	SNU (coronae.snu.ac.kr)	TCP–Other	133.9	0.3
32	United States	Michigan State Univ (cgceopush2.geo.msu.edu)	China	CSTNET (159.226.73.74)	TCP–Other	132.2	0.3
33	Switzerland	CERN – European Lab for Particle Physics (pcaliense05.cern.ch)	Korea (South)	Sejong Univ. (210.107.238.24)	TCP–Other	132	0.3
34	United States	Princeton Univ (zofo.princeton.edu)	Korea (South)	SNU (147.46.60.192)	TCP–Other	121.2	0.2
35	Korea (South)	SNU (chem.snu.ac.kr)	Taiwan	TWNIC (220.229.66.179)	TCP–Other	112.3	0.2
36	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (cps.snu.ac.kr)	TCP–Other	109	0.2
37	United States	Fermi Natl Lab (sdssw1.fnal.gov)	China	Natl Astro Obs, CAS (n222.bao.ac.cn)	TCP–Other	100.6	0.2
38	United States	NCSA (cu12.ncsa.uiuc.edu)	Korea (South)	SNU (middle2.snu.ac.kr)	TCP–Other	95.6	0.2
39	Korea (South)	Sejong Univ. (210.107.238.24)	Switzerland	CERN – European Lab for Particle Physics (lxfra0608.cern.ch)	TCP–Other	93.6	0.2
40	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP–Other	92.2	0.2
41	Korea (South)	Sejong Univ. (210.107.238.24)	Switzerland	CERN – European Lab for Particle Physics (lxfra0607.cern.ch)	TCP–Other	88.7	0.2
42	Korea (South)	Sejong Univ. (210.107.238.24)	Switzerland	CERN – European Lab for Particle Physics (lxfra0606.cern.ch)	TCP–Other	84.8	0.2
43	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	SNU (147.46.59.39)	TCP–Other	77.8	0.2
44	Korea (South)	Sejong Univ. (210.107.238.24)	Switzerland	CERN – European Lab for Particle Physics (lxfra0805.cern.ch)	TCP–Other	76.7	0.2
45	Korea (South)	KISTI (134.75.21.100)	Korea (South)	KREONet (203.230.7.100)	TCP–Other	76.6	0.2
46	United States	Cornell Univ (r3659.resnet.cornell.edu)	Korea (South)	SNU (147.46.224.92)	TCP–Other	75.8	0.2
47	United States	Penn State (cs–test.ist.psu.edu)	Korea (South)	KREONet (150.183.112.220)	TCP–Other	74.8	0.2
48	United States	NOAA (ncepftp–ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP–Other	73.6	0.1
49	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.169)	TCP–Other	72.2	0.1
50	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	SNU (147.46.45.106)	TCP–Other	72	0.1
51	Canada	Univ of Alberta (openbsd.sunsite.ualberta.ca)	Indonesia	ac.id (students.itb.ac.id)	TCP–Other	69.9	0.1
52	Korea (South)	KRIBB (210.218.222.129)	Thailand	ac.th (classroom.psu.ac.th)	TCP–Other	69.6	0.1
53	United States	UCAR (plier.ucar.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP–Other	69.3	0.1

54	United States	Washington Univ–St. Louis (pds-geosciences.wustl.edu)	China	CSTNET (202.127.29.181)	TCP–Other	68.2	0.1
55	Korea (South)	POSTECH (ecocat3.postech.ac.kr)	Japan	odn.ne.jp (eatcf-118p112.ppp15.odn.ne.jp)	TCP–Other	65.3	0.1
56	United States	NOAA (nomad3.ncep.noaa.gov)	China	CSTNET (210.73.54.40)	TCP–Other	62.9	0.1
57	United Kingdom	UK Universities (ignis.neodc.rl.ac.uk)	China	CSTNET (159.226.117.30)	TCP–Other	62.8	0.1
58	Korea (South)	KREONet (203.230.7.100)	Korea (South)	KISTI (134.75.21.100)	TCP–Other	62.5	0.1
59	Korea (South)	KAIST (ftp.kaist.ac.kr)	Malaysia	net.my (tm.net.my)	TCP–Other	59.7	0.1
60	Korea (South)	KAIST (kaipa.kaist.ac.kr)	United States	user.msu.edu (user-5bda96.user.msu.edu)	TCP–Other	59.4	0.1
61	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	SNU (air4.snu.ac.kr)	TCP–Other	57	0.1
62	Korea (South)	Korea Univ. (kuls.korea.ac.kr)	United States	res.gatech.edu (r82h168.res.gatech.edu)	TCP–Other	56.9	0.1
63	United States	AS (callisto.as.harvard.edu)	Korea (South)	SNU (147.46.60.116)	TCP–Other	56.1	0.1
64	Korea (South)	KISTI (134.75.110.130)	Korea (South)	KISTI (134.75.21.100)	TCP–Other	55.4	0.1
65	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP–Other	54.6	0.1
66	United States	NOAA (ncepftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP–Other	52.7	0.1
67	United States	UCAR (huron.scd.ucar.edu)	Korea (South)	SNU (nwp12.snu.ac.kr)	TCP–Other	50.2	0.1
68	United States	Fermi Natl Lab (fcdfdata130.fnal.gov)	Korea (South)	SNU (susy04.snu.ac.kr)	TCP–Other	49.8	0.1
69	Korea (South)	KAIST (livezen2.kaist.ac.kr)	China	Gansudaily (211.94.188.210)	TCP–Other	48.5	0.1
70	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	China	Inst of Atmos Physics, CAS (159.226.119.27)	TCP–Other	47.8	0.1
71	United States	UMD (metodata2.umd.edu)	China	CSTNET (159.226.234.18)	TCP–Other	46.2	0.1
72	United States	COAPS (hycom.coaps.fsu.edu)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP–Other	45.6	0.1
73	Korea (South)	SNU (147.46.117.176)	United States	Arizona State Univ (149.169.125.214)	TCP–Other	44.8	0.1
74	United States	UW–Madison (magdala.aos.wisc.edu)	Korea (South)	SNU (147.46.60.22)	TCP–Other	44.5	0.1
75	United States	NIH (165.112.7.10)	Korea (South)	Yonsei Univ. (165.132.143.107)	TCP–Other	43.8	0.1
76	Korea (South)	KISTI (134.75.21.100)	Korea (South)	KISTI (134.75.110.130)	TCP–Other	42.4	0.1
77	United States	Colorado State Univ (129.82.109.193)	Korea (South)	SNU (147.46.40.88)	TCP–Other	42.2	0.1
78	United States	cfa.harvard.edu (cdfaftp.cfa.harvard.edu)	Korea (South)	SNU (147.46.32.102)	TCP–Other	40.5	0.1
79	United States	cs.princeton.edu (pig.cs.princeton.edu)	Korea (South)	KOREN (61.252.60.30)	TCP–Other	39.2	0.1
80	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP–Other	39.1	0.1
81	Korea (South)	KISTI (150.183.5.101)	Japan	Organization Domain (dnkgw.denken.or.jp)	TCP–Other	39	0.1
82	United States	Univ of Washington (128.208.34.65)	Korea (South)	KAIST (corr.kaist.ac.kr)	TCP–Other	38.5	0.1
83	Great Britain (UK)	ECMWF (ftp.ecmwf.int)	China	Inst of Atmos Physics, CAS (159.226.119.27)	TCP–Other	37.9	0.1
84	Korea (South)	KAIST (ftp.kaist.ac.kr)	Taiwan	rev.dyxnet.com (static-ip-139-73-134-202.rev.dyxnet.com)	TCP–Other	37.6	0.1
85	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	China	CSTNET (210.77.88.43)	TCP–Other	37.5	0.1
86	Korea (South)	Kwangju Institute of Science & Technology (uvr.kjist.ac.kr)	France	INRIA Rhone–Alpes (miranda.inrialpes.fr)	TCP–Other	36.2	0.1
87	Korea (South)	KOREN (61.252.52.251)	Italy	INFN (astro04.le.infn.it)	TCP–Other	36	0.1
88	United States	AS (ac2.as.arizona.edu)	Korea (South)	KAO (210.98.27.70)	TCP–Other	34.6	0.1

89	United States	NASA Jet Propulsion Lab (eyre.jpl.nasa.gov)	China	CSTNET (159.226.234.18)	TCP-Other	34.4	0.1
90	United States	Penn State (128.118.21.208)	Korea (South)	SNU (147.46.224.92)	TCP-Other	34.1	0.1
91	Korea (South)	KISTI (yellow.kreonet.re.kr)	China	CUHK (mediaw21.ie.cuhk.edu.hk)	TCP-Other	32.5	0.1
92	Japan	JPNIC (133.103.100.184)	Korea (South)	KREONet (210.218.222.81)	TCP-Other	32	0.1
93	Korea (South)	KAIST (sharp.kaist.ac.kr)	China	ctinets.com (210006128170.ctinets.com)	TCP-Other	31.9	0.1
94	United States	CSC (netsrv.csc.ncsu.edu)	Korea (South)	nic.or.kr (61.252.48.68)	TCP-Other	31.9	0.1
95	Korea (South)	SNU (mist.snu.ac.kr)	United States	reshsg.uci.edu (vp090057.reshsg.uci.edu)	TCP-Other	31.1	0.1
96	Korea (South)	KAIST (rcv8.kaist.ac.kr)	France	INRIA Rhone-Alpes (perception4.inrialpes.fr)	TCP-Other	30.3	0.1
97	Korea (South)	POSTECH (theo96.postech.ac.kr)	United Kingdom	UK Universities (tangshan.ch.cam.ac.uk)	TCP-Other	30.2	0.1
98	Korea (South)	KAIST (sp9.kaist.ac.kr)	Netherlands	Technische Universiteit Eindhoven (c3030-vpn.net.tue.nl)	Others	28.7	0.1
99	United States	Harvard Univ (ganymede.as.harvard.edu)	Korea (South)	SNU (147.46.60.116)	TCP-Other	28.2	0.1
100	Korea (South)	KAIST (ftp.kaist.ac.kr)	United States	dhcp.unm.edu (d00-129-24-93-120.dhcp.unm.edu)	TCP-Other	27.2	0.1
	Others		Others		*	21826.8	44.1
	Total					49504.8 (0.3Mbps)	100

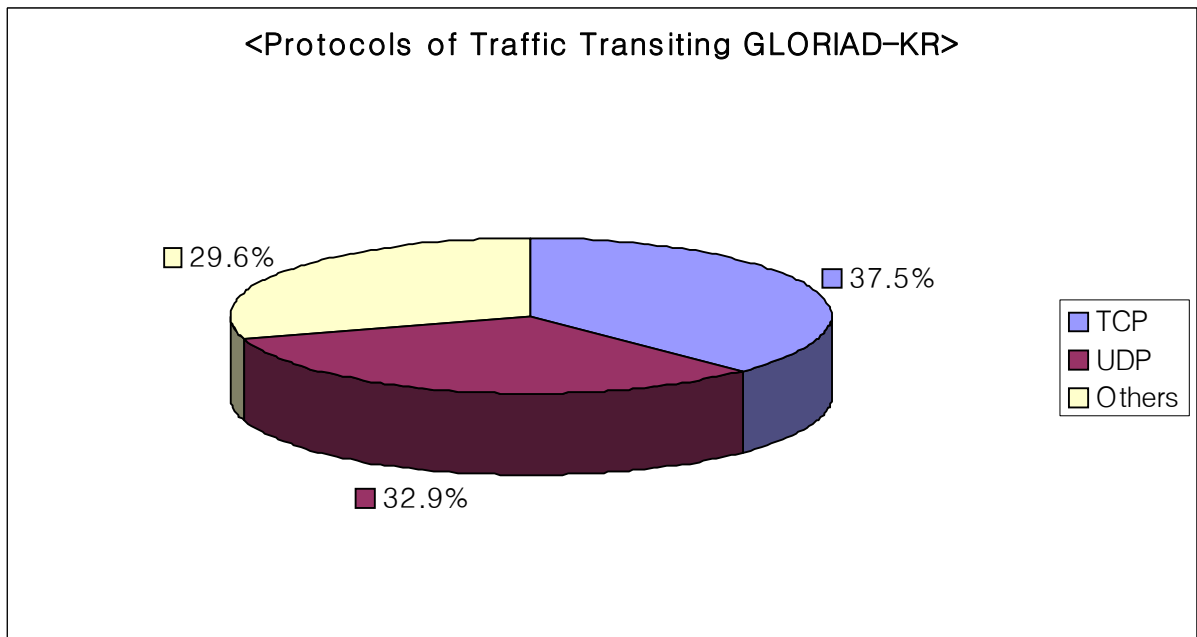
○ 국내 기관별 분류

<4월2주>



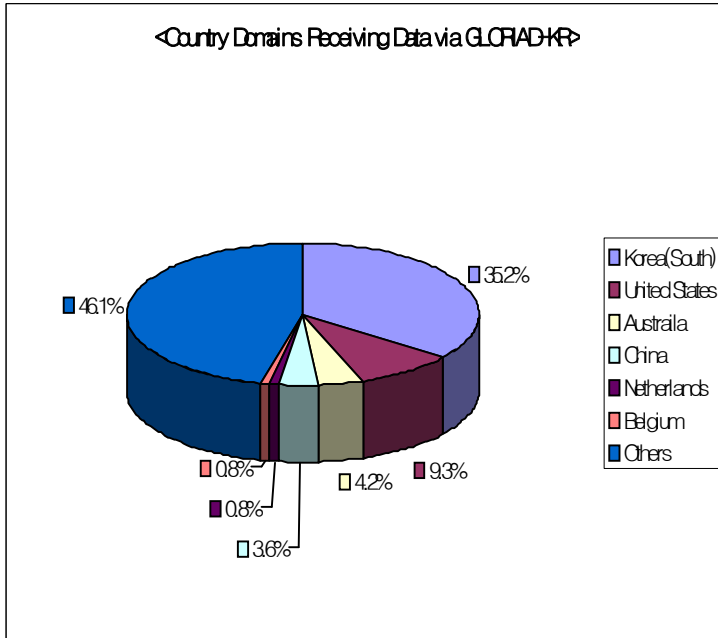
○ 프로토콜별 분류

<4월2주>



○ 국가별 분류 I (데이터 수신)

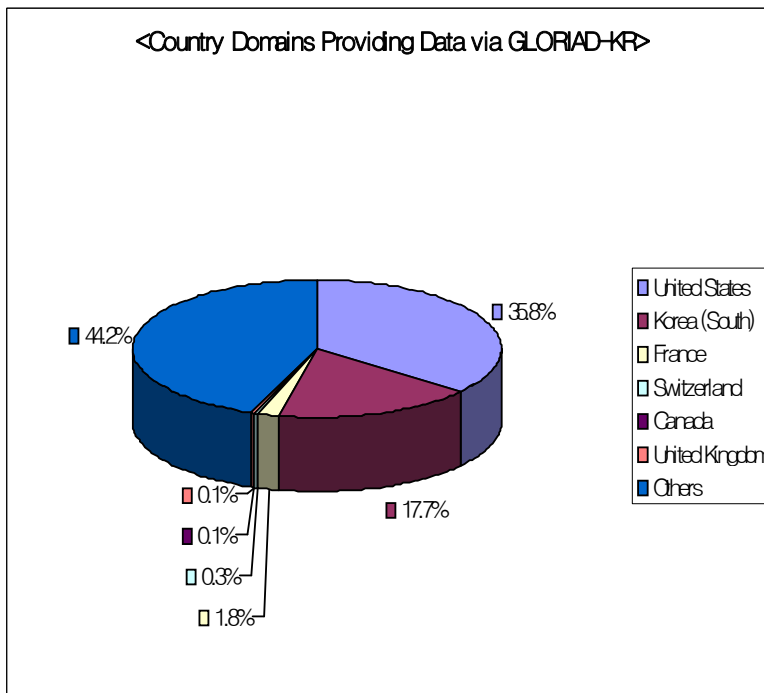
<4월 2주>



순위	국가명
1	Korea(South)
2	United States
3	Australia
4	China
5	Netherlands
6	Belgium
7	Switzerland
8	Taiwan
9	Japan
10	Indonesia
11	Thailand
12	France
13	Malaysia

○ 국가별 분류 II (데이터 송신)

<4월 2주>



순위	국가명
1	United States
2	Korea (South)
3	France
4	Switzerland
5	Canada
6	United Kingdom
7	Great Britain
8	Japan

'07년 04월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 04월 10일 ~ 2007년 04월 24일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

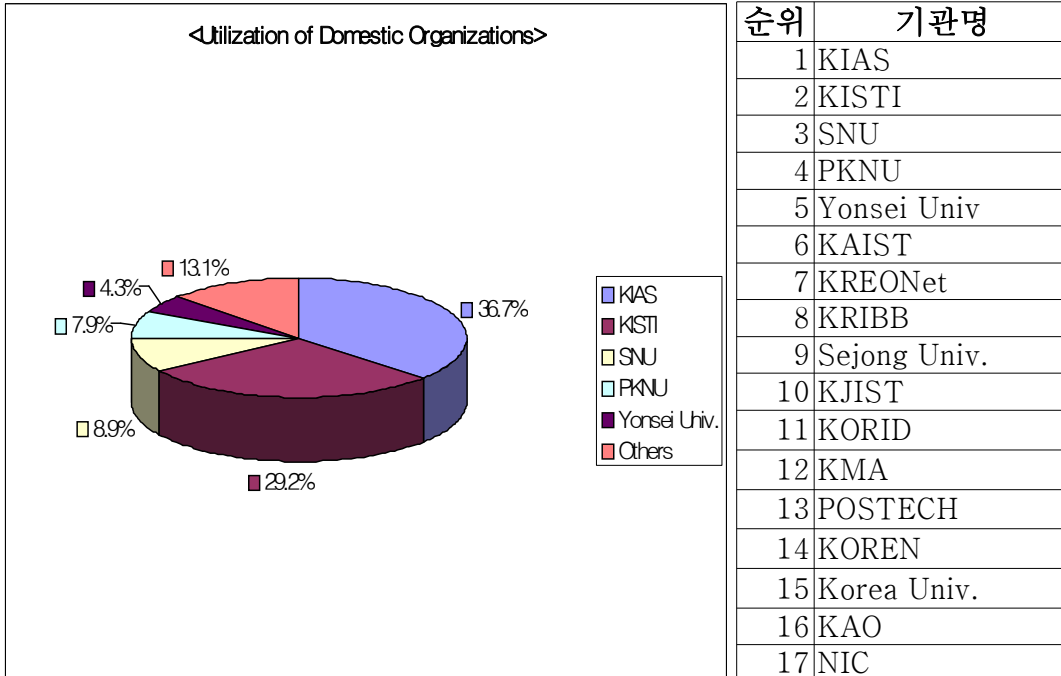
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	United States	Indiana Univ (magpie.bio.indiana.edu)	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	1335.4	3.1
2	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1330.3	3.1
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1203.6	2.8
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1182.5	2.7
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	1153.4	2.6
6	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	891.4	2.0
7	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	757.7	1.7
8	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	647.8	1.5
9	Great Britain (UK)	ECMWF (tigge-ldm.ecmwf.int)	China	CSTNET (210.73.54.24)	TCP-Other	519.5	1.2
10	United States	Princeton Univ (zofo.princeton.edu)	Korea (South)	SNU (147.46.60.192)	TCP-Other	478.9	1.1
11	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	382.1	0.9
12	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	363.9	0.8
13	Korea (South)	KAO (210.219.33.29)	Japan	Japanese Educational Network (dhcp-219-196.mtk.nao.ac.jp)	TCP-Other	312.4	0.7
14	United States	COAPS (hycom.coaps.fsu.edu)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	271.0	0.6
15	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.29)	TCP-Other	256.8	0.6
16	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	242.7	0.6
17	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	SNU (147.46.45.106)	TCP-Other	219.0	0.5
18	United States	ATMOS (manabe.atmos.uiuc.edu)	Korea (South)	SNU (middle2.snu.ac.kr)	TCP-Other	186.3	0.4
19	United States	Penn State (cs-test.ist.psu.edu)	Korea (South)	KREONet (150.183.112.206)	TCP-Other	186.0	0.4
20	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	179.0	0.4
21	United States	Fermi Natl Lab (fedf1nx4.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	174.1	0.4
22	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Yonsei Univ. (165.132.26.175)	TCP-Other	170.8	0.4
23	Korea (South)	KAIST (ftp.kaist.ac.kr)	Malaysia	net.my (tm.net.my)	TCP-Other	168.6	0.4

24	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	160.8	0.4
25	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	147.5	0.3
26	United States	Florida State Univ (www.coaps.fsu.edu)	Korea (South)	SNU (147.46.64.36)	TCP-Other	139.7	0.3
27	United States	Penn State (cs-test.ist.psu.edu)	Korea (South)	KREONet (150.183.112.202)	TCP-Other	131.8	0.3
28	Korea (South)	KAIST (livezen2.kaist.ac.kr)	China	Gansudaily (211.94.188.210)	TCP-Other	128.3	0.3
29	Korea (South)	PKNU (220.92.66.235)	Australia	curtin.edu.au (research.wasm.curtin.edu.au)	UDP-Other	125.5	0.3
30	Korea (South)	KIST (kistmail.kist.re.kr)	United States	NC State Univ (uni02mr.unity.ncsu.edu)	TCP-Other	121.4	0.3
31	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	120.9	0.3
32	United States	Fermi Natl Lab (fcdflnx8.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	118.8	0.3
33	United States	NIH (fwdaemon.ncbi.nlm.nih.gov)	Korea (South)	SNU (147.46.216.41)	TCP-Other	116.1	0.3
34	United States	Rochester Inst of Tech (vc-station1.rit.edu)	United States	GLORIAD Multicast Service (233.2.171.30)	UDP-Other	115.5	0.3
35	United States	Fermi Natl Lab (fcdflnx6.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	114.8	0.3
36	United States	Fermi Natl Lab (fcdflnx7.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	114.6	0.3
37	United States	Fermi Natl Lab (fcdflnx5.fnal.gov)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	108.9	0.2
38	United States	Michigan State Univ (cgceopush2.geo.msu.edu)	China	CSTNET (159.226.73.74)	TCP-Other	86.0	0.2
39	United States	TRECC (trecc-video.trecc.org)	United States	Multicast (224.2.224.15)	UDP-Other	84.4	0.2
40	Korea (South)	KRIBB (210.218.222.129)	Thailand	nectec.or.th (203.185.133.181)	TCP-Other	82.3	0.2
41	Korea (South)	SNU (147.46.117.176)	United States	Arizona State Univ (149.169.125.214)	TCP-Other	81.8	0.2
42	Korea (South)	SNU (chem.snu.ac.kr)	Taiwan	TWNIC (220.229.66.179)	TCP-Other	80.8	0.2
43	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	78.2	0.2
44	Korea (South)	KOREN (61.252.52.251)	Italy	INFN (astro04.le.infn.it)	TCP-Other	77.3	0.2
45	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	76.9	0.2
46	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	75.3	0.2
47	Korea (South)	KAIST (ftp.kaist.ac.kr)	Taiwan	Taiwan Educational Network (ftp.cs.pu.edu.tw)	TCP-Other	73.8	0.2
48	United States	NOAA (nomad3.ncep.noaa.gov)	Korea (South)	Yonsei Univ. (165.132.26.128)	TCP-Other	70.5	0.2
49	United States	NIH (165.112.7.10)	Korea (South)	Yonsei Univ. (165.132.143.107)	TCP-Other	69.1	0.2
50	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	68.2	0.2
51	United States	NOAA (ncepftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	66.8	0.2
52	United States	Rochester Inst of Tech (vc-station1.rit.edu)	United States	Multicast (224.2.224.15)	UDP-Other	64.2	0.1
53	Korea (South)	KISTI (150.183.5.101)	Japan	Organization Domain (dnkgw.denken.or.jp)	TCP-Other	63.8	0.1
54	United States	CSC (netsrv.csc.ncsu.edu)	Korea (South)	nic.or.kr (61.252.48.68)	TCP-Other	59.8	0.1
55	Korea (South)	KEI (203.250.99.38)	United States	Univ of Houston (geosun2.geosc.uh.edu)	TCP-Other	59.7	0.1
56	United States	UCAR (huron.scd.ucar.edu)	Korea (South)	SNU (147.46.251.102)	TCP-Other	59.6	0.1
57	Korea (South)	POSTECH (htsclab.postech.ac.kr)	United States	University of Maryland (129.2.109.57)	TCP-Other	55.1	0.1
58	United States	Univ of Washington (128.208.34.65)	Korea (South)	KAIST (corr.kaist.ac.kr)	TCP-Other	54.4	0.1
59	United States	Penn State (cs-test.ist.psu.edu)	Korea (South)	KREONet (150.183.112.220)	TCP-Other	53.1	0.1
60	Korea (South)	KAIST (sp9.kaist.ac.kr)	Netherlands	Technische Universiteit Eindhoven (c3030-vpn.net.tue.nl)	Others	52.9	0.1
61	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	52.9	0.1
62	Korea (South)	Sejong Univ. (58.224.45.60)	Japan	meisei-mic.ac.jp (gw.tose-tokyo.jp)	TCP-Other	52.7	0.1
63	United States	AS (ac2.as.arizona.edu)	Korea (South)	KAO (210.98.27.70)	TCP-Other	52.3	0.1
64	Korea (South)	KIST (kistmail.kist.re.kr)	Netherlands	springer-sbm.com (mail4.springer-sbm.com)	TCP-Other	52.2	0.1
65	United States	NIH (130.14.29.30)	Korea (South)	Yonsei Univ. (165.132.143.107)	TCP-Other	51.0	0.1

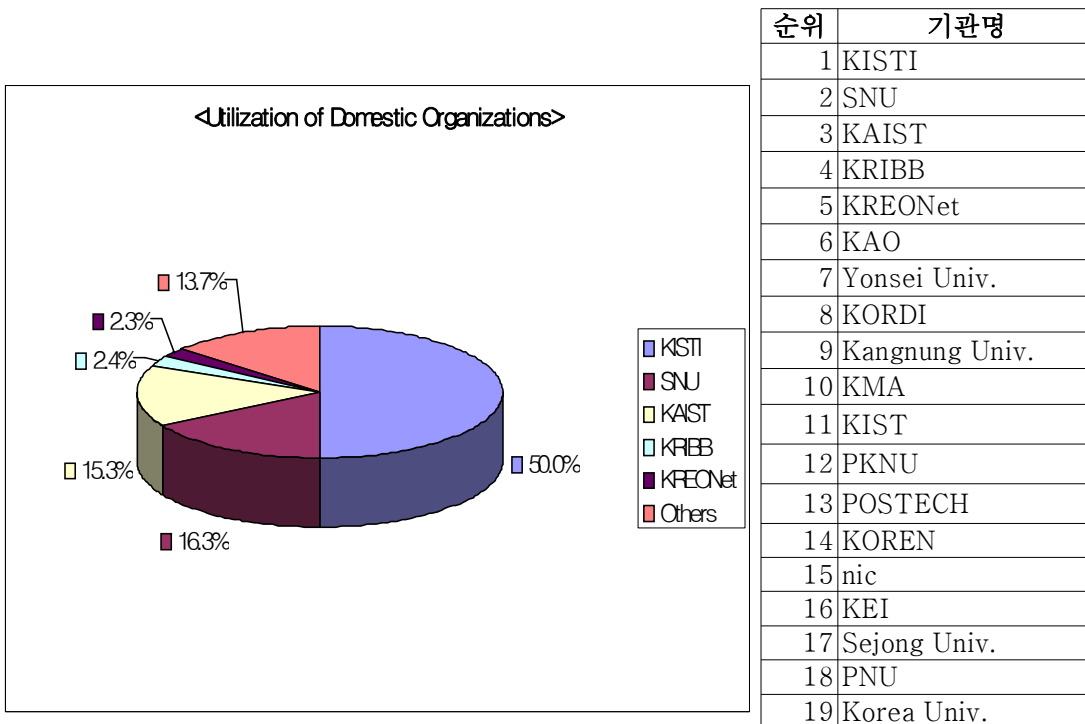
66	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	50.8	0.1
67	United States	NASA (ladswb.nascom.nasa.gov)	China	CSTNET (210.72.26.21)	TCP-Other	47.9	0.1
68	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	47.3	0.1
69	United States	UCAR (ultrazone.ucar.edu)	China	CSTNET (210.73.54.24)	TCP-Other	45.2	0.1
70	Korea (South)	SNU (tomato.snu.ac.kr)	United States	Univ of Michigan (adsl-244-12.ns.itd.umich.edu)	TCP-Other	44.1	0.1
71	Korea (South)	KRIBB (210.218.222.129)	Thailand	ac.th (classroom.psu.ac.th)	TCP-Other	44.0	0.1
72	United States	NOAA (nomad3.ncep.noaa.gov)	China	CSTNET (210.73.54.40)	TCP-Other	43.6	0.1
73	United States	NIH (fwdaemon.ncbi.nlm.nih.gov)	Korea (South)	SNU (147.46.216.216)	TCP-Other	43.5	0.1
74	Korea (South)	KAIST (dgdr1.kaist.ac.kr)	China	PCCW Limited (n058152160116.netvigator.com)	TCP-Other	43.4	0.1
75	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	43.4	0.1
76	Korea (South)	KAIST (fox.kaist.ac.kr)	United States	CHEM (chm052123.chem.northwestern.edu)	TCP-Other	43.2	0.1
77	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.29)	TCP-Other	43.1	0.1
78	United States	UW-Madison (decaf.aos.wisc.edu)	Korea (South)	SNU (147.46.59.64)	TCP-Other	42.2	0.1
79	Korea (South)	PNU (164.125.44.13)	United States	Harvard Univ (mirage.harvard.edu)	TCP-Other	42.0	0.1
80	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	Kasetsart Univ. (158.108.4.251)	TCP-Other	41.0	0.1
81	United States	MIT (pink-panther.csail.mit.edu)	Korea (South)	Korea Univ. (vision3.korea.ac.kr)	TCP-Other	40.8	0.1
82	United States	SOEST (theme2.soest.hawaii.edu)	Korea (South)	KMA (210.98.49.56)	TCP-Other	40.7	0.1
83	Korea (South)	SNU (coronae.snu.ac.kr)	United States	ATMOS (manabe.atmos.uiuc.edu)	TCP-Other	40.4	0.1
84	United States	UMD (metadata2.umd.edu)	China	CSTNET (159.226.234.18)	TCP-Other	39.0	0.1
85	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	38.9	0.1
86	Korea (South)	POSTECH (141.223.207.243)	United States	CS (roxanne1.cs.purdue.edu)	TCP-Other	38.3	0.1
87	United States	AS (callisto.as.harvard.edu)	Korea (South)	SNU (147.46.60.116)	TCP-Other	38.1	0.1
88	Korea (South)	SNU (mist.snu.ac.kr)	United States	reshsg.uci.edu (vp090057.reshsg.uci.edu)	TCP-Other	37.5	0.1
89	United States	Fermi Natl Lab (131.225.240.91)	Korea (South)	SNU (pbs.snu.ac.kr)	TCP-Other	36.8	0.1
90	Korea (South)	SNU (topaz.snu.ac.kr)	France	Institut National de Recherche en Inform (vis161b.inria.fr)	TCP-Other	36.6	0.1
91	Viet Nam	vnu.edu.vn (130.199.132.196)	Korea (South)	SNU (josiah.snu.ac.kr)	TCP-Other	36.3	0.1
92	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	ctinets.com (058177242170.ctinets.com)	TCP-Other	36.1	0.1
93	Korea (South)	KAIST (any.kaist.ac.kr)	United States	Princeton Univ (dynamic-oit-vapornet-c-1015.princeton.edu)	TCP-Other	35.7	0.1
94	United States	NASA (isccp.giss.nasa.gov)	Korea (South)	SNU (nwp12.snu.ac.kr)	TCP-Other	35.5	0.1
95	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	h k c a b l e . c o m . h k (cm61-10-41-19.hkcable.com.hk)	TCP-Other	35.4	0.1
96	Korea (South)	SNU (147.46.119.137)	United States	Northwestern Univ (mech154.mech.northwestern.edu)	TCP-Other	34.6	0.1
97	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	SNU (147.46.60.167)	TCP-Other	34.5	0.1
98	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	TNC (tnc.hk)	TCP-Other	34.3	0.1
99	United States	NIH (fwdaemon.ncbi.nlm.nih.gov)	Korea (South)	SNU (147.46.215.186)	TCP-Other	33.9	0.1
100	Korea (South)	SNU (gomsori.snu.ac.kr)	United States	Stanford Univ (okcomputer.stanford.edu)	TCP-Other	32.9	0.1
	Others		Others		*	2597 1.9	59. 6
	Total					4360 5.8(10 0.3M bps)	0.0

○ 국내 기관별 분류

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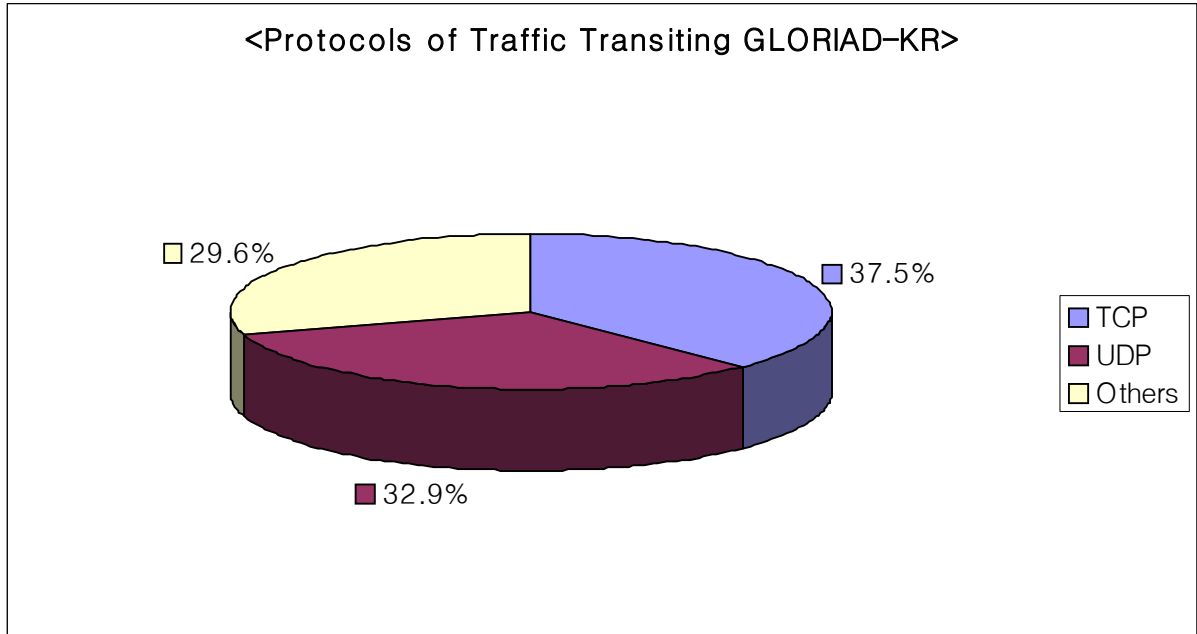


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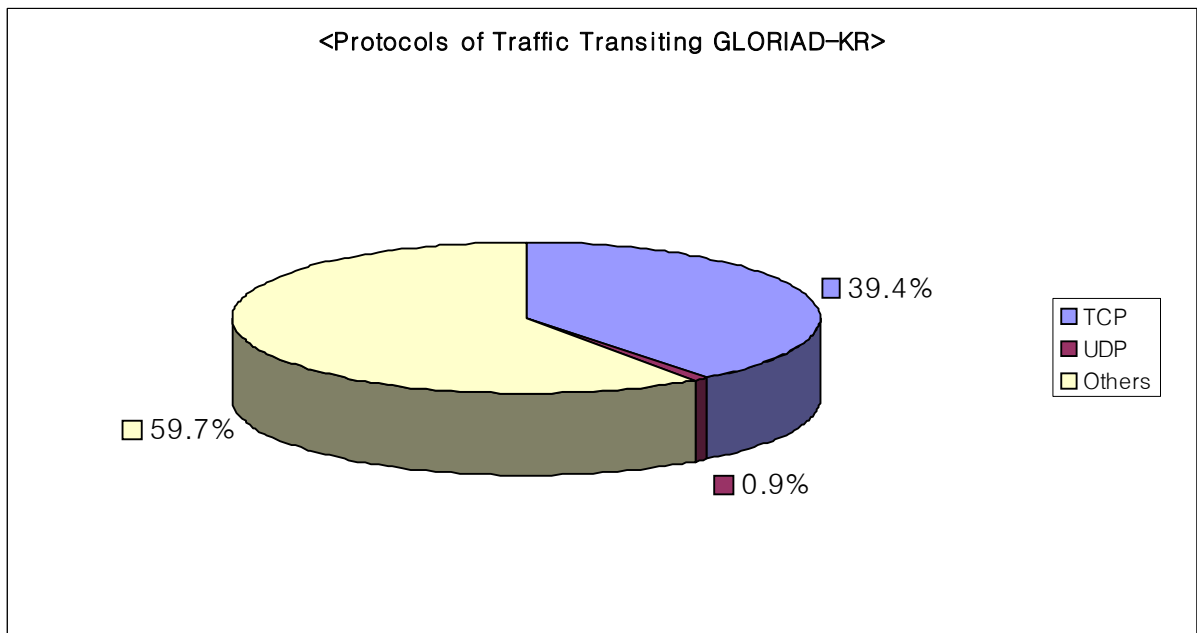


○ 프로토콜별 분류

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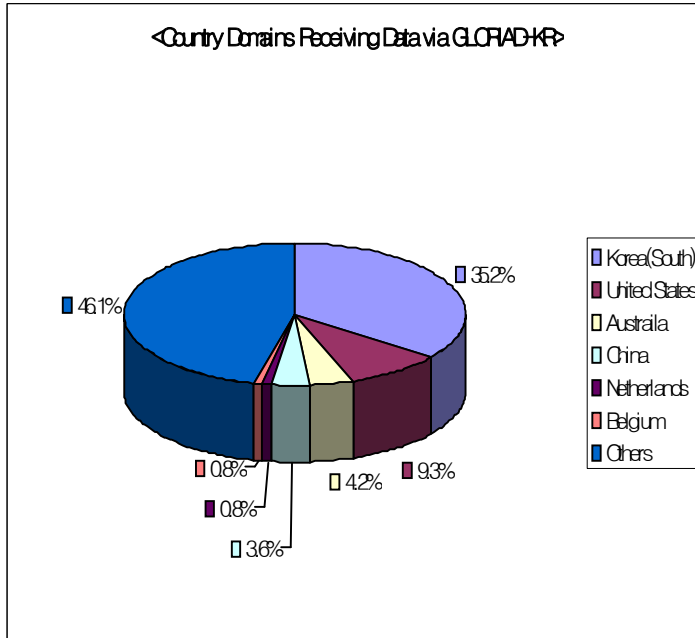


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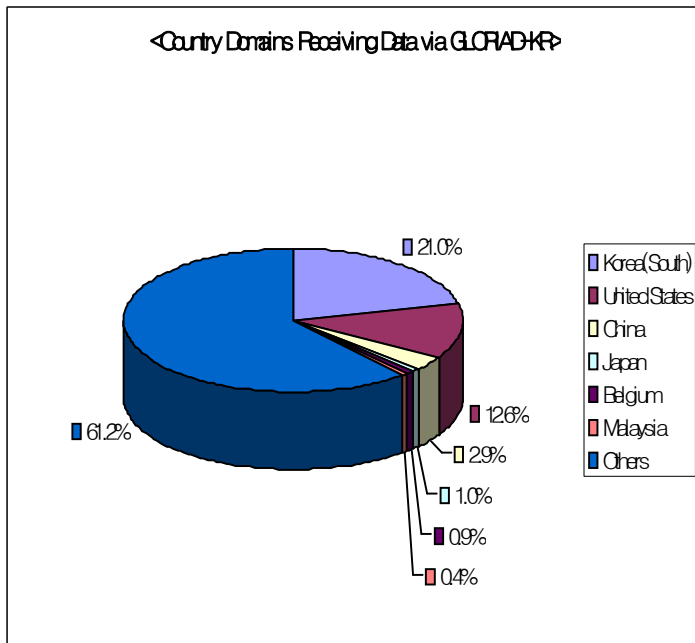
○ 국가별 분류 I (데이터 수신)

<4월 2주>



순위	국가명
1	Korea(South)
2	United States
3	Australia
4	China
5	Netherlands
6	Belgium
7	Switzerland
8	Taiwan
9	Japan
10	Indonesia
11	Thailand
12	France
13	Malaysia

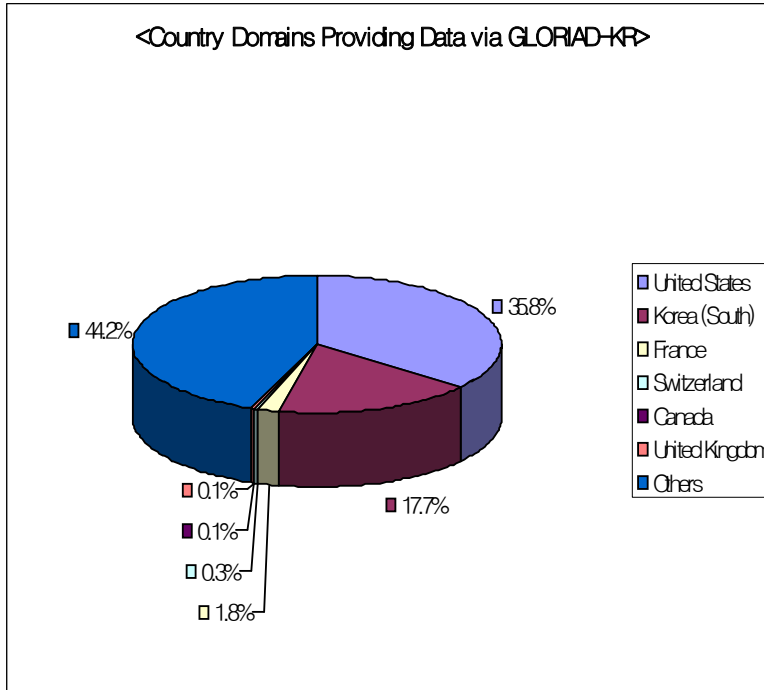
<4월 4주>



순위	국가명
1	Korea(South)
2	United States
3	China
4	Japan
5	Belgium
6	Malaysia
7	Thailand
8	Taiwan
9	Australia
10	Netherlands
11	Italy
12	Austria
13	France

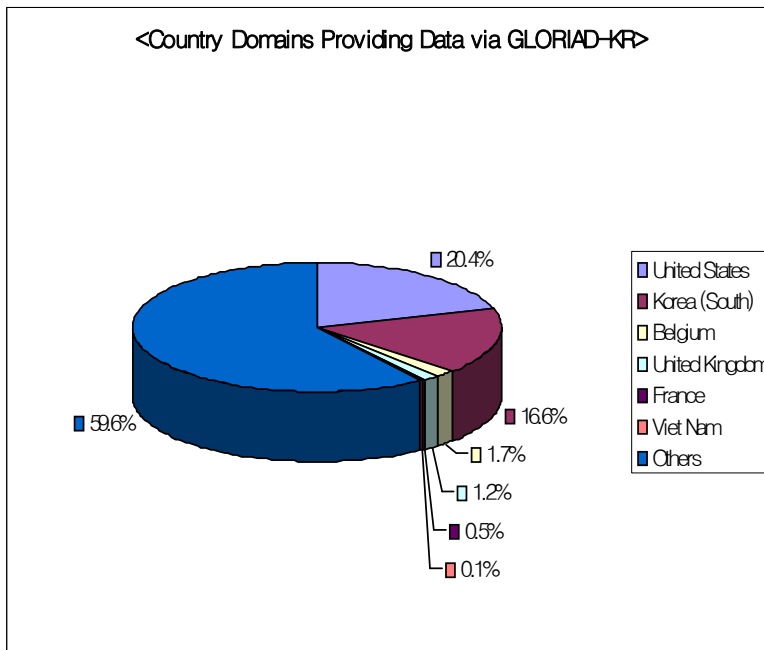
○ 국가별 분류 II (데이터 송신)

<4월 2주>



순위	국가명
1	United States
2	Korea (South)
3	France
4	Switzerland
5	Canada
6	United Kingdom
7	Great Britain
8	Japan

<4월 4주>



순위	국가명
1	United States
2	Korea (South)
3	Belgium
4	United Kingdom
5	France
6	Viet Nam

'07년 05월2주 GLORIAD-KR 모니터링

보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)

GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

2007년 05월 7일 ~ 2007년 05월 15일 (2주간)

Sampling Rate

1/500 packet based

GLORIAD-KR 트래픽 분석

Top 100 Users

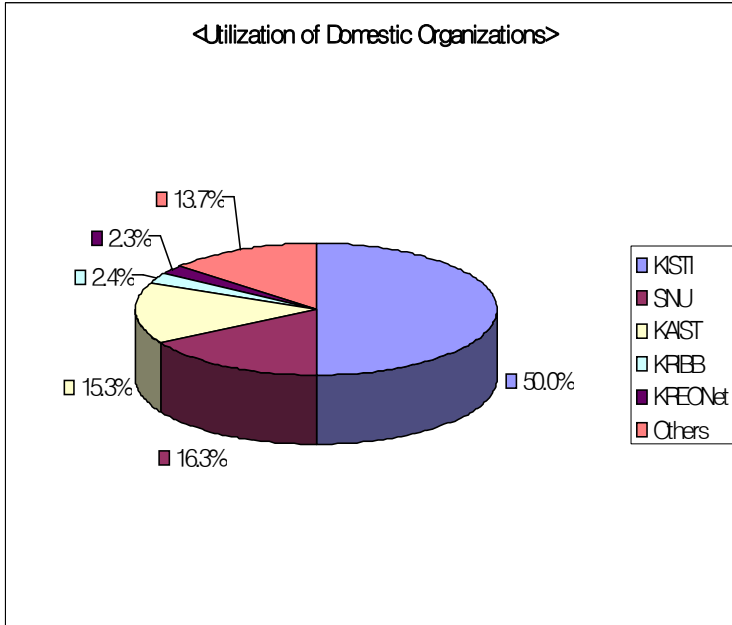
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Great Britain (UK)	ECMWF (tigge-ldm.ecmwf.int)	China	CSTNET (210.73.54.24)	TCP-Other	3704.9	6.1
2	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1299.1	2.1
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1109.9	1.8
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1099	1.8
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	1060	1.7
6	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	880.4	1.5
7	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	874.3	1.4
8	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	845.6	1.4
9	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	800.9	1.3
10	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	749.5	1.2
11	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	746	1.2
12	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	745.4	1.2
13	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	732.5	1.2
14	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	725.9	1.2
15	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	719.2	1.2
16	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	712.2	1.2
17	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	700.5	1.2
18	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	672.7	1.1
19	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	647.7	1.1
20	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	630.7	1
21	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	621.8	1
22	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	ctinets.com (058177242170.ctinets.com)	TCP-Other	610.8	1
23	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	597	1
24	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	577.9	1
25	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	562.2	0.9
26	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	548.2	0.9
27	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	530.5	0.9
28	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	514.6	0.8
29	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	510.4	0.8
30	United States	Indiana Univ (magpie.bio.indiana.edu)	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	487.3	0.8
31	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	432.2	0.7
32	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	TCP-Other	431.5	0.7
33	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	425.2	0.7
34	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	423.7	0.7
35	United States	Penn State (cs-test.list.psu.edu)	Korea (South)	KREONet (150.183.112.206)	TCP-Other	389.8	0.6

36	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	385.5	0.6
37	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	365.2	0.6
38	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	343.7	0.6
39	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	341	0.6
40	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	338.6	0.6
41	United States	MCNC-NCREN (elk.ncren.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	338.1	0.6
42	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	TCP-Other	333.1	0.5
43	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	299.6	0.5
44	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	299.5	0.5
45	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	269.9	0.4
46	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	218.6	0.4
47	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	216.3	0.4
48	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	SNU (skuld.snu.ac.kr)	TCP-Other	215.9	0.4
49	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	213	0.4
50	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	211.7	0.3
51	United States	ccny.cuny.edu (ees1cx.engr.cuny.cuny.edu)	Korea (South)	SNU (147.46.216.110)	TCP-Other	201.2	0.3
52	United States	NIH (130.14.29.30)	Korea (South)	ICU (v29-79.icu.ac.kr)	TCP-Other	188.3	0.3
53	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	186.2	0.3
54	United States	NOAA (nomad3.ncep.noaa.gov)	China	CSTNET (210.73.54.40)	TCP-Other	180.5	0.3
55	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	179.8	0.3
56	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	177.2	0.3
57	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	175.7	0.3
58	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	170.3	0.3
59	Korea (South)	KIST (kistmail.kist.re.kr)	United States	Stanford Univ (kaos.stanford.edu)	TCP-Other	153.4	0.3
60	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	150.1	0.2
61	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	144	0.2
62	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	143.8	0.2
63	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	142.8	0.2
64	Korea (South)	POSTECH (141.223.207.243)	United States	CS (anecdotos.cs.purdue.edu)	TCP-Other	141.3	0.2
65	Korea (South)	KRIBB (210.218.222.129)	Thailand	UNI (202.28.96.3)	TCP-Other	139.6	0.2
66	Korea (South)	KISTI (134.75.110.130)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	131.4	0.2
67	United States	NASA (zeus.nascom.nasa.gov)	Korea (South)	KHU (163.180.178.178)	TCP-Other	127.3	0.2
68	United States	UCAR (huron.scd.ucar.edu)	Korea (South)	Kangnung Univ. (220.69.236.121)	TCP-Other	127.1	0.2
69	United States	San Diego Supercomputer Ctr (pdb112.sdsc.edu)	Korea (South)	SNU (biocom2.snu.ac.kr)	TCP-Other	123.1	0.2
70	United States	UCAR (huron.scd.ucar.edu)	Korea (South)	Kangnung Univ. (220.69.236.123)	TCP-Other	122.7	0.2
71	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	TCP-Other	111.3	0.2
72	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	104.7	0.2
73	Korea (South)	SNU (chem.snu.ac.kr)	Taiwan	TWNIC (220.229.66.179)	TCP-Other	103.8	0.2
74	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	103.3	0.2
75	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	93.9	0.2
76	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.29)	TCP-Other	93.7	0.2
77	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	92.4	0.2
78	Switzerland	unige.ch (isdcul8.unige.ch)	China	IHEP-CN (202.122.32.131)	TCP-Other	92.3	0.2
79	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	89.7	0.1
80	Korea (South)	CNU (168.188.187.153)	Taiwan	rev.dyxnet.com (static-ip-163-116-90-219.rev.dyxnet.com)	ICMP	85.2	0.1
81	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	78.1	0.1
82	France	Centre de Calcul de IIN2P3 (cclcgse101.in2p3.fr)	China	IHEP-CN (gilda07.ihep.ac.cn)	TCP-Other	76.2	0.1
83	Korea (South)	KISTI (134.75.21.100)	Korea (South)	KISTI (134.75.110.130)	TCP-Other	75.3	0.1
84	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	73.7	0.1
85	United States	COAPS (hycom.coaps.fsu.edu)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	69.4	0.1
86	Korea (South)	SNU (chem.snu.ac.kr)	China	ctinets.com (058177186174.ctinets.com)	TCP-Other	66.5	0.1
87	United States	NOAA (nomad3.ncep.noaa.gov)	Korea (South)	SNU (halo.snu.ac.kr)	TCP-Other	66.4	0.1
88	Korea (South)	KAIST (ftp.kaist.ac.kr)	Malaysia	net.my (tm.net.my)	TCP-Other	66.4	0.1
89	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	65.9	0.1
90	Canada	Univ of Alberta (openbsd.sunsite.ualberta.ca)	Indonesia	ac.id (students.itb.ac.id)	TCP-Other	65.2	0.1
91	United States	MCC (cms.mcc.uiuc.edu)	China	CSTNET (159.226.135.215)	TCP-Other	61.9	0.1
92	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.45)	TCP-Other	61.6	0.1
93	United States	Fermi Natl Lab (fcdfora6.fnal.gov)	Korea (South)	KOREN (203.255.252.171)	TCP-Other	60.9	0.1
94	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (gcm.snu.ac.kr)	TCP-Other	60.9	0.1
95	United States	iges.org (crew.iges.org)	China	CSTNET (159.226.115.140)	TCP-Other	60.5	0.1
96	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	57.2	0.1
97	Korea (South)	CNU (168.188.187.153)	Taiwan	rev.dyxnet.com (static-ip-163-116-90-219.rev.dyxnet.com)	UDP-Other	56.7	0.1
98	United States	Harvard Univ (ganymede.as.harvard.edu)	Korea (South)	SNU (147.46.60.116)	TCP-Other	56.2	0.1
99	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.50)	TCP-Other	54.4	0.1
100	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (adlab.snu.ac.kr)	TCP-Other	52.4	0.1

	Others		Others	*	23739	39.2
	Total				60609.6(0.4Mbps)	100

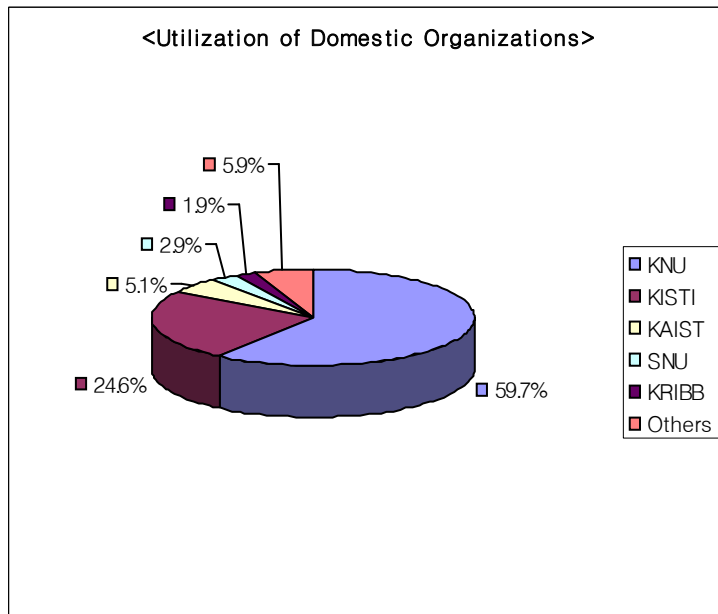
○ 국내 기관별 분류

<4월4주>



순위	기관명
1	KISTI
2	SNU
3	KAIST
4	KRIBB
5	KREONet
6	KAO
7	Yonsei Univ.
8	KORDI
9	Kangnung Univ.
10	KMA
11	KIST
12	PKNU
13	POSTECH
14	KOREN
15	nic
16	KEI
17	Sejong Univ.
18	PNU
19	Korea Univ.

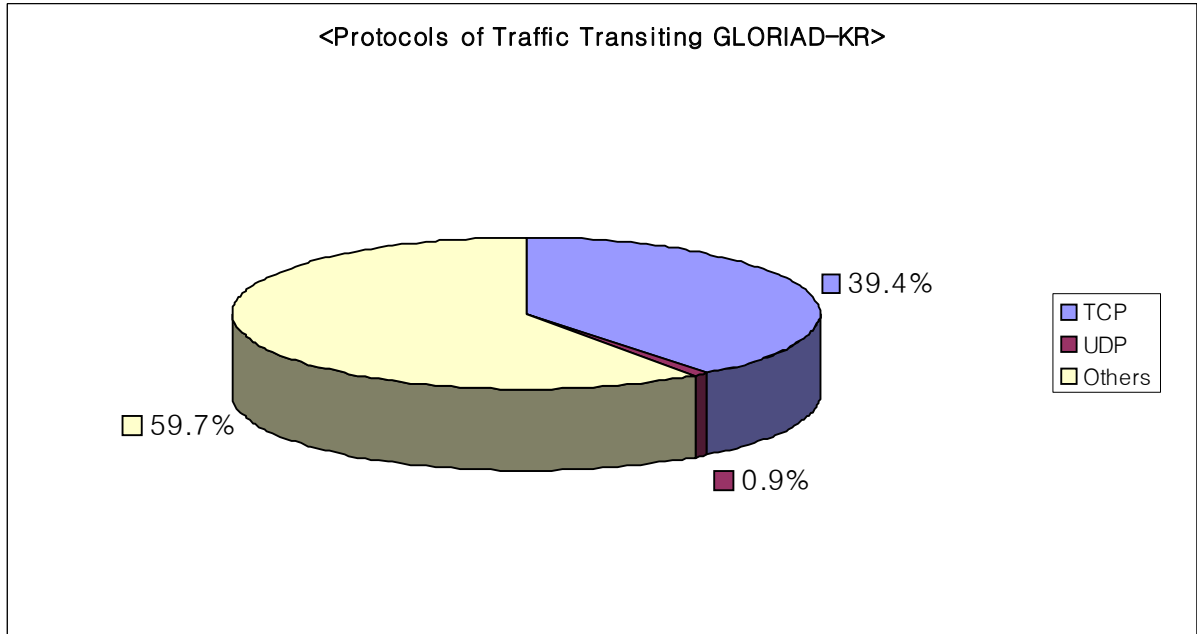
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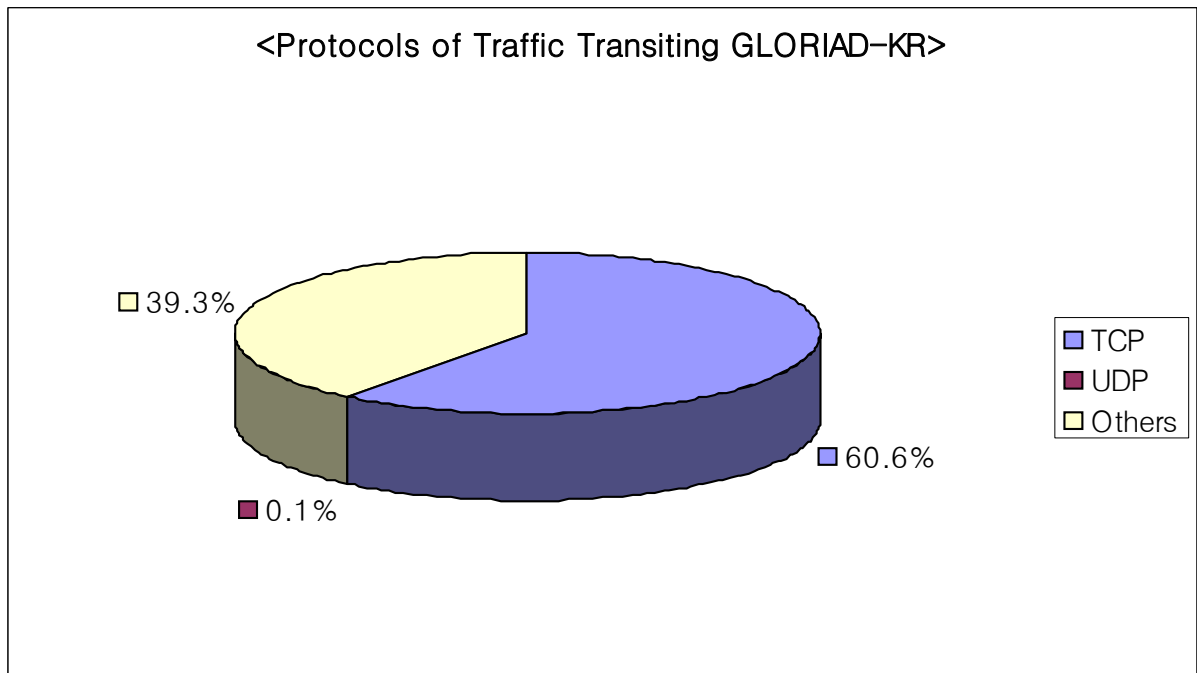
순위	기관명
1	KNU
2	KISTI
13	KAIST
4	SNU
5	KRIBB
6	Kangnung Univ.
7	KREONet
8	ICU
9	KIST
10	CNU
11	POSTECH
12	KHU
13	KMA
14	KORDI
15	KOREN

○ 프로토콜별 분류

<4월4주>

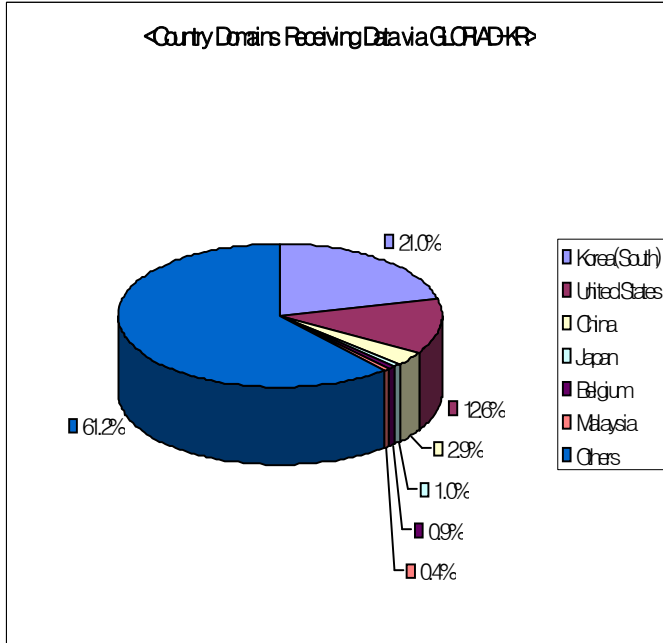


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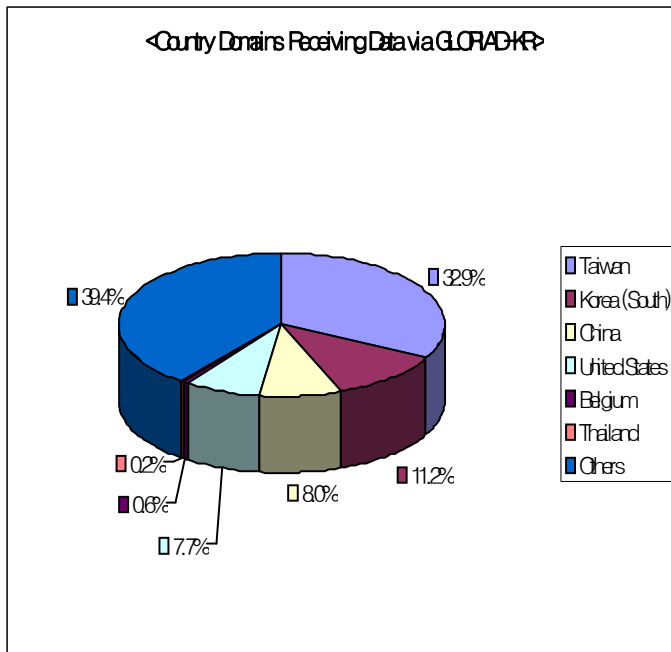
○ 국가별 분류 I (데이터 수신)

<4월4주>



순위	국가명
1	Korea(South)
2	United States
3	China
4	Japan
5	Belgium
6	Malaysia
7	Thailand
8	Taiwan
9	Australia
10	Netherlands
11	Italy
12	Austria
13	France

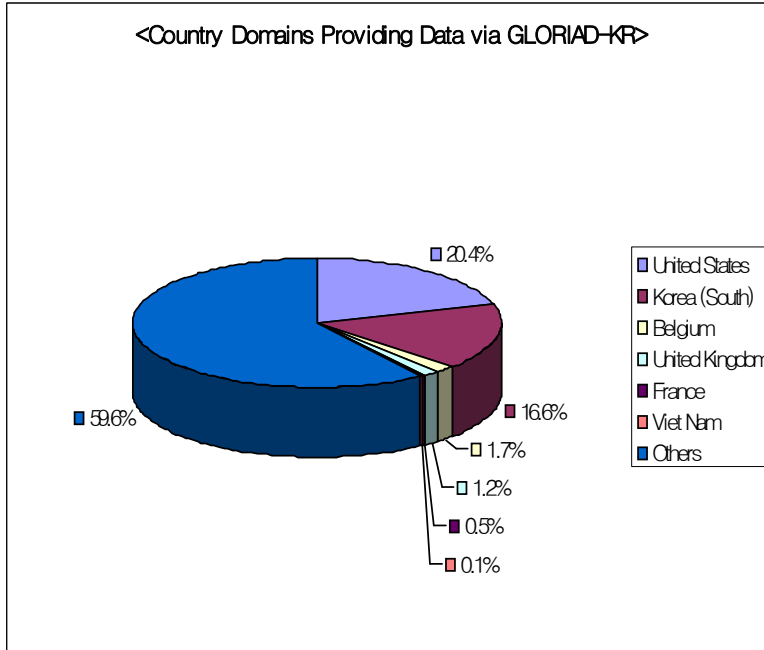
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순위	국가명
1	Taiwan
2	Korea (South)
3	China
4	United States
5	Belgium
6	Thailand
7	Malaysia
8	Indonesia

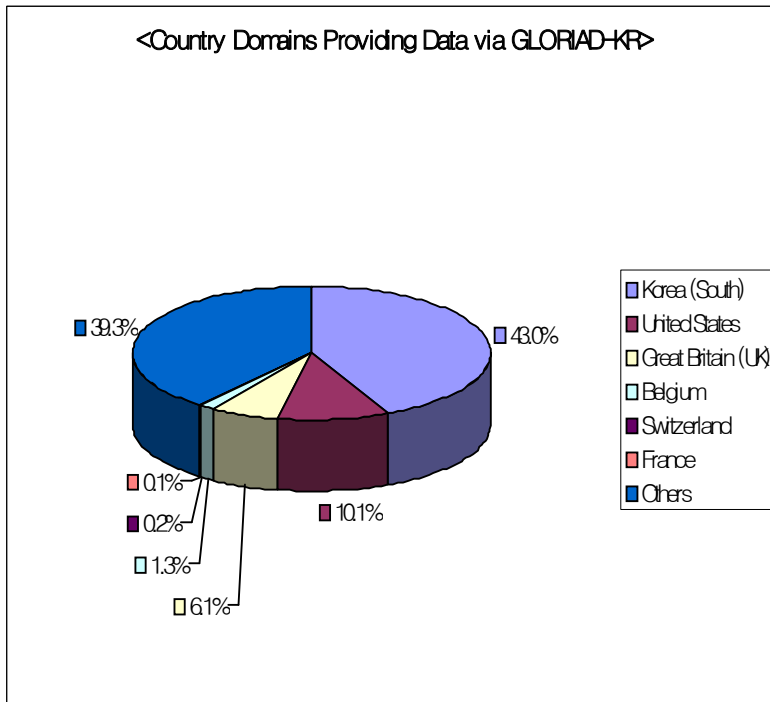
○ 국가별 분류 II (데이터 송신)

<4월4주>



순위	국가명
1	United States
2	Korea (South)
3	Belgium
4	United Kingdom
5	France
6	Viet Nam

<5월2주>



순위	국가명
1	Korea (South)
2	United States
3	Great Britain (UK)
4	Belgium
5	Switzerland
6	France
7	Canada

'07년 05월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

2007년 05월 15일 ~ 2007년 05월 29일 (2주간)

Sampling Rate

1/500 packet based

GLORIAD-KR 트래픽 분석

Top 100 Users

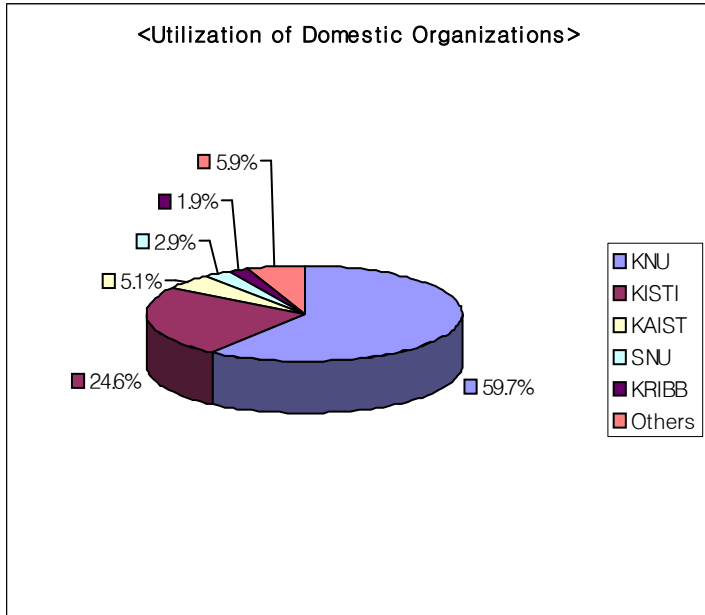
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Great Britain (UK)	ECMWF (tigge-ldm.ecmwf.int)	China	CSTNET (210.73.54.24)	TCP-Other	2372	3.6
2	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	1218.4	1.8
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1207.6	1.8
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1155	1.7
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	1149.9	1.7
6	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1091.7	1.7
7	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	958.5	1.5
8	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	919.7	1.4
9	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	883.4	1.3
10	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	855.7	1.3
11	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	810	1.2
12	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	802	1.2
13	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	800.1	1.2
14	United States	Indiana Univ (maggie.bio.indiana.edu)	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	787.6	1.2
15	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	773.9	1.2
16	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	756.3	1.1
17	Korea (South)	KISTI (134.75.110.130)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	745.4	1.1
18	Korea (South)	KISTI (134.75.110.130)	Korea (South)	KISTI (134.75.114.130)	TCP-Other	701.8	1.1
19	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	KU (emperor.cache.ku.ac.th)	TCP-Other	697.9	1.1
20	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	692.1	1
21	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	686.2	1
22	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	685.5	1
23	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	682.1	1
24	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	671.7	1
25	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	665.4	1
26	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	641.5	1
27	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	625.6	0.9

28	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	623.2	0.9
29	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	596.3	0.9
30	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	575.2	0.9
31	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	568.7	0.9
32	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	562.5	0.9
33	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	502.2	0.8
34	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	483.7	0.7
35	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	482.9	0.7
36	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	475.6	0.7
37	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	473.7	0.7
38	United Kingdom	EBI (ftp1.ebi.ac.uk)	China	NCNST (159.226.2.211)	TCP-Other	449.2	0.7
39	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	436.7	0.7
40	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	428.3	0.6
41	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	408.6	0.6
42	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	398.6	0.6
43	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	396.6	0.6
44	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	396.5	0.6
45	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	388.2	0.6
46	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	373	0.6
47	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	371.1	0.6
48	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	358.5	0.5
49	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	343.1	0.5
50	United States	rsmas.miami.edu (connect.rsmas.miami.edu)	Korea (South)	Sejong Univ. (210.107.221.36)	Others	320.9	0.5
51	Korea (South)	KISTI (150.183.5.73)	United States	Stanford Univ (icme-shahn.stanford.edu)	TCP-Other	320.3	0.5
52	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	310.7	0.5
53	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	TCP-Other	301.6	0.5
54	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	289.1	0.4
55	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	284.8	0.4
56	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	266.7	0.4
57	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	258.8	0.4
58	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	252.3	0.4
59	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	240.3	0.4
60	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	236.5	0.4
61	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	China	Science Museums of China (159.226.2.213)	TCP-Other	229.3	0.3
62	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	229	0.3
63	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	TCP-Other	226.5	0.3
64	United States	NIH (165.112.7.10)	China	NCNST (159.226.2.211)	TCP-Other	208.4	0.3
65	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	204.7	0.3
66	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	TCP-Other	195.4	0.3
67	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	170.8	0.3
68	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	170.6	0.3
69	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	168.5	0.3
70	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	168.2	0.3
71	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	160.8	0.2
72	United States	NASA (disc2.nascom.nasa.gov)	China	Inst of Atmos Physics, CAS (159.226.62.73)	TCP-Other	140.9	0.2
73	United States	NASA (disc2.nascom.nasa.gov)	China	CMSR (159.226.234.16)	TCP-Other	133.8	0.2
74	United States	NASA (disc2.nascom.nasa.gov)	China	Inst of Atmos Physics, CAS (159.226.62.119)	TCP-Other	127.8	0.2
75	Korea (South)	YONSEI (165.132.148.140)	Taiwan	mlc.edu.tw (tina.jianguojh.mlc.edu.tw)	TCP-Other	126.2	0.2
76	United States	NASA (disc2.nascom.nasa.gov)	China	CSTNET (159.226.62.99)	TCP-Other	122.5	0.2
77	Italy	EO (pfd-nas-es.eo.esa.int)	China	CNNIC (210.72.26.39)	TCP-Other	122.3	0.2
78	Switzerland	unige.ch (isdcul8.unige.ch)	China	IHEP-CN (202.122.32.131)	TCP-Other	113.3	0.2
79	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	112.6	0.2
80	United States	Fermi Natl Lab (d0srv063.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	112.4	0.2
81	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	112.1	0.2
82	Viet Nam	vnu.edu.vn (130.199.132.196)	Korea (South)	SNU (josiah.snu.ac.kr)	TCP-Other	111.5	0.2
83	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	107.3	0.2
84	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	104.2	0.2
85	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	104.1	0.2
86	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	102.7	0.2
87	Canada	Univ of Alberta (openbsd.sunsite.ualberta.ca)	Indonesia	ac.id (students.itb.ac.id)	TCP-Other	99.2	0.2
88	United States	San Diego Supercomputer Ctr (pdb212.sdsc.edu)	China	NCNST (159.226.2.211)	TCP-Other	99	0.1
89	United States	NASA (disc2.nascom.nasa.gov)	China	CSTNET (159.226.62.62)	TCP-Other	98.1	0.1
90	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	94.6	0.1
91	United States	Michigan State Univ (cgceopush3.geo.msu.edu)	China	CSTNET (159.226.73.74)	TCP-Other	94.5	0.1

92	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	93.9	0.1
93	United States	rsmas.miami.edu (connect.rsmas.miami.edu)	Korea (South)	Sejong Univ. (210.107.214.198)	Others	92.2	0.1
94	United States	NIH (130.14.29.30)	Korea (South)	SNU (147.46.217.233)	TCP-Other	92	0.1
95	United States	NLM (umlsks4.nlm.nih.gov)	Korea (South)	SNU (sc1.snu.ac.kr)	TCP-Other	89.7	0.1
96	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	87.8	0.1
97	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	87.3	0.1
98	United States	dhcp.asu.edu (rl-hav-a-104.dhcp.asu.edu)	Korea (South)	KNU (155.230.169.156)	TCP-Other	86.1	0.1
99	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	SNU (skuld.snu.ac.kr)	TCP-Other	84.4	0.1
100	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	84.3	0.1
	Others		Others		*	23653.3	35.8
	Total					66033.5(0.4Mbps)	100

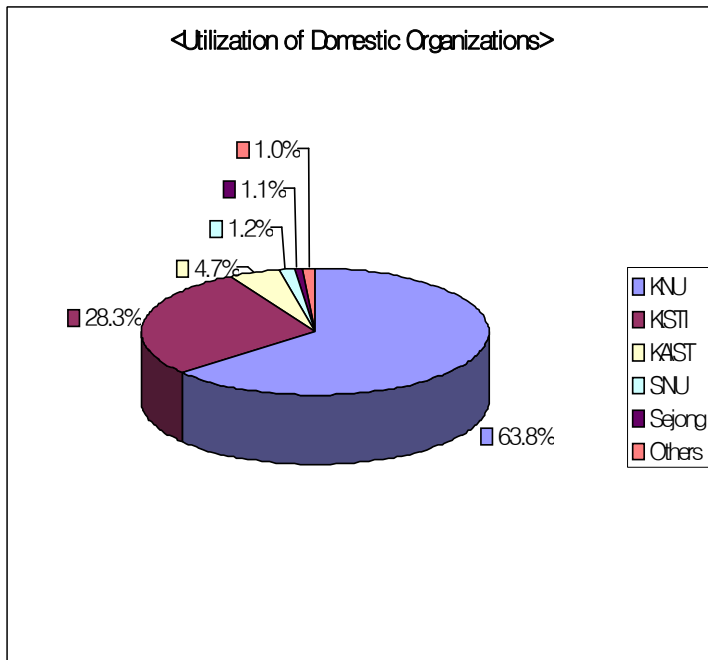
○ 국내 기관별 분류

<5월2주>



순위	기관명
1	KNU
2	KISTI
3	KAIST
4	SNU
5	KRIBB
6	Kangnung Univ.
7	KREONet
8	ICU
9	KIST
10	CNU
11	POSTECH
12	KHU
13	KMA
14	KORDI
15	KOREN

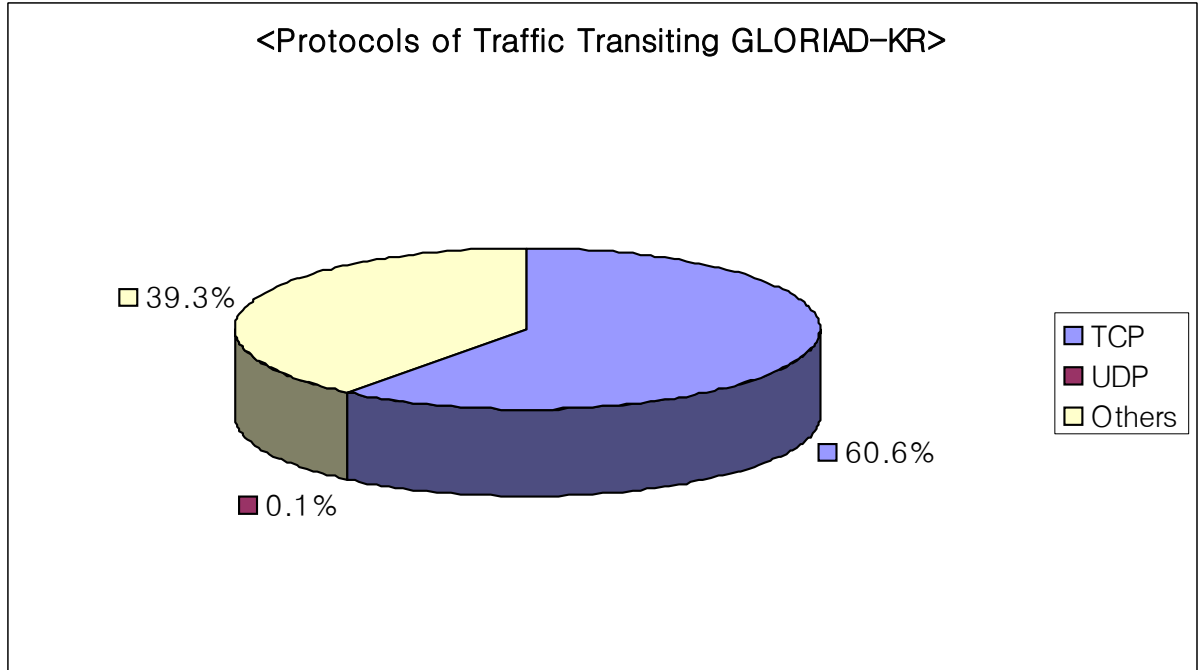
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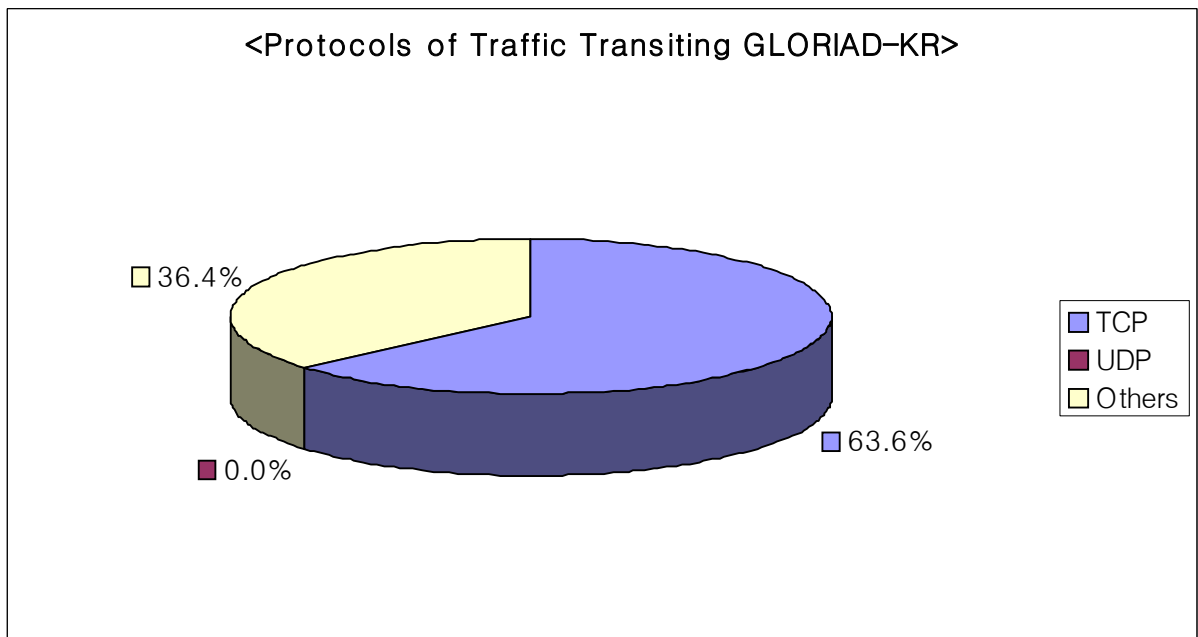
순위	기관명
1	KNU
2	KISTI
3	KAIST
4	SNU
5	Sejong
6	KRIBB
7	YONSEI

○ 프로토콜별 분류

<5월2주>

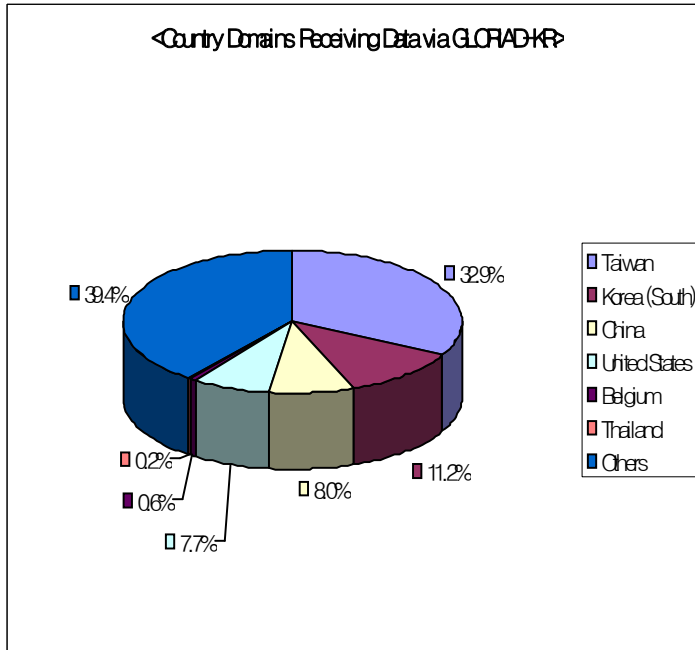


<5월4주>



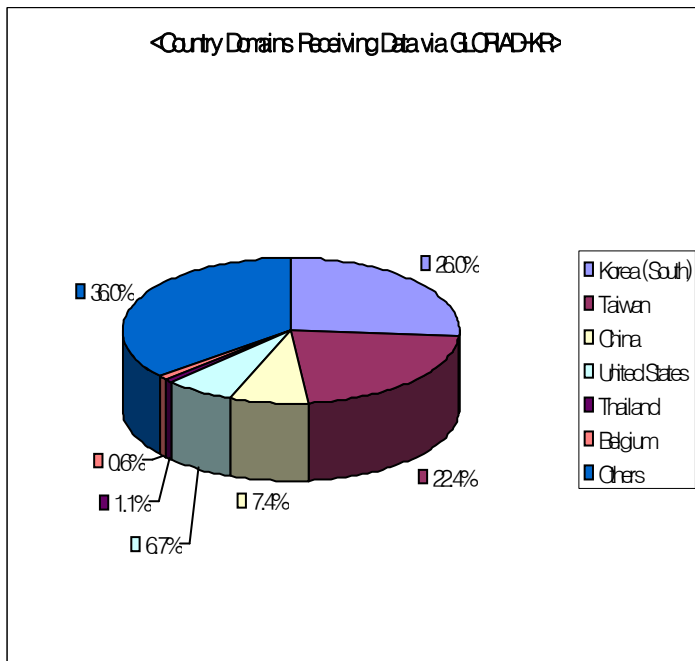
○ 국가별 분류 I (데이터 수신)

<5월2주>



순위	국가명
1	Taiwan
2	Korea (South)
3	China
4	United States
5	Belgium
6	Thailand
7	Malaysia
8	Indonesia

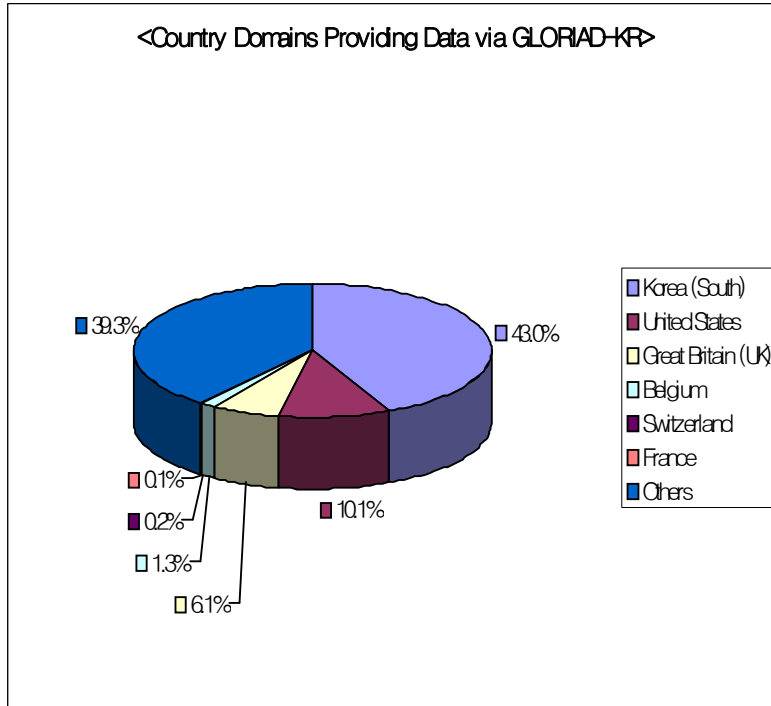
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순위	국가명
1	Korea (South)
2	Taiwan
3	China
4	United States
5	Thailand
6	Belgium
7	Indonesia

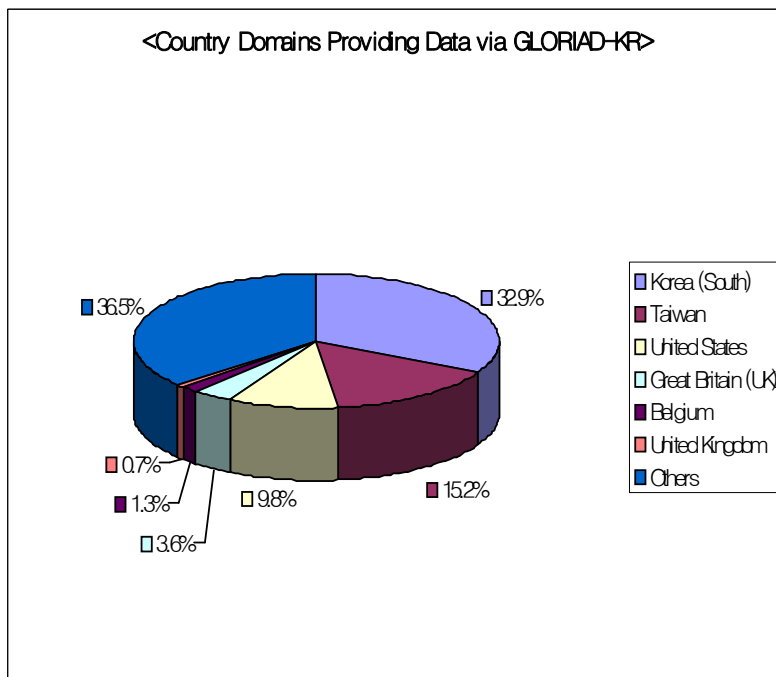
○ 국가별 분류 II (데이터 송신)

<5월2주>



순위	국가명
1	Korea (South)
2	United States
3	Great Britain (UK)
4	Belgium
5	Switzerland
6	France
7	Canada

<5월4주>



순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	Great Britain (UK)
5	Belgium
6	United Kingdom
7	Italy
8	Switzerland
9	Viet Nam
10	Canada

'07년 06월2주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

2007년 05월 29일 ~ 2007년 06월 12일 (2주간)

Sampling Rate

1/500 packet based

GLORIAD-KR 트래픽 분석

Top 100 Users

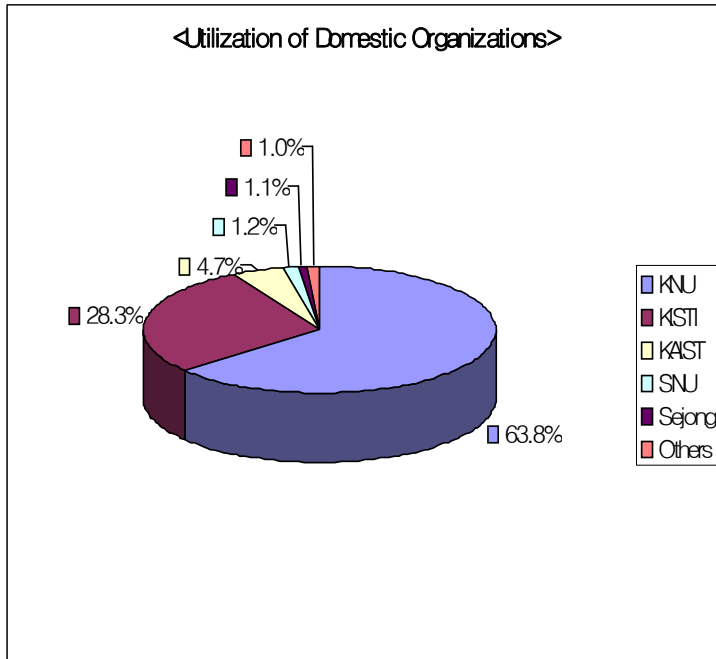
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	KISTI (134.75.114.132)	Korea (South)	KISTI (134.75.110.29)	TCP-Other	2399.8	5.9
2	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1227	3
3	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	937	2.3
4	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	928.4	2.3
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	896	2.2
6	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	705.4	1.7
7	Korea (South)	KISTI (134.75.21.80)	Korea (South)	GIST (210.125.84.33)	UDP-Other	546.9	1.3
8	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (147.46.60.118)	TCP-Other	540.1	1.3
9	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	505.2	1.2
10	Korea (South)	KISTI (150.183.5.73)	United States	Stanford Univ (icme-shahn.stanford.edu)	TCP-Other	481.5	1.2
11	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	474.6	1.2
12	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	403	1
13	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	343.8	0.8
14	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	334.5	0.8
15	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	KU (emperor.cache.ku.ac.th)	TCP-Other	334.4	0.8
16	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	325.9	0.8
17	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	323.7	0.8
18	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	297.2	0.7
19	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	297.2	0.7
20	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	293.6	0.7
21	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	288	0.7
22	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	280.6	0.7
23	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	270.4	0.7
24	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	261.2	0.6
25	United States	Indiana Univ (magpie.bio.indiana.edu)	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	251.6	0.6
26	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	251.4	0.6
27	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	243.8	0.6
28	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	241.1	0.6
29	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	240.1	0.6
30	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	238	0.6
31	Korea (South)	KISTI (150.183.5.102)	Korea (South)	KISTI (134.75.21.109)	TCP-Other	231	0.6

32	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	230.3	0.6
33	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	230.2	0.6
34	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	227.3	0.6
35	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	218.8	0.5
36	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	215.3	0.5
37	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	210.3	0.5
38	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	206	0.5
39	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	200.4	0.5
40	United States	Harvard Univ (ganymede.as.harvard.edu)	Korea (South)	SNU (147.46.60.116)	TCP-Other	197.1	0.5
41	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	190.9	0.5
42	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	188.5	0.5
43	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	187.6	0.5
44	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	185.6	0.5
45	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (wave3.snu.ac.kr)	TCP-Other	179	0.4
46	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (147.46.56.140)	TCP-Other	178.8	0.4
47	United States	Cornell Univ (r3659.resnet.cornell.edu)	Korea (South)	SNU (147.46.224.201)	TCP-Other	168.3	0.4
48	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	155.5	0.4
49	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	143.4	0.4
50	United States	Fermi Natl Lab (sdssw1.fnal.gov)	China	Natl Astro Obs, CAS (n222.bao.ac.cn)	TCP-Other	141.6	0.3
51	Korea (South)	GIST (210.125.84.33)	Korea (South)	KISTI (134.75.21.81)	UDP-Other	140.7	0.3
52	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	137.2	0.3
53	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	135.5	0.3
54	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	132.1	0.3
55	Thailand	ac.th (tgcc.cpe.ku.ac.th)	China	CERNET (202.179.242.102)	TCP-Other	131.7	0.3
56	Thailand	UniNet (grid.uni.net.th)	China	CERNET (202.179.242.102)	TCP-Other	126.3	0.3
57	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	123.9	0.3
58	Thailand	KU (radiant.cpe.ku.ac.th)	China	CERNET (202.179.242.102)	TCP-Other	115.5	0.3
59	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs001.grid.sinica.edu.tw)	TCP-Other	114.5	0.3
60	United States	Univ of Cali-Santa Cruz (hgdownload.cse.ucsc.edu)	Korea (South)	KISTI (210.218.222.21)	TCP-Other	102.6	0.3
61	Korea (South)	KAIST (livezen2.kaist.ac.kr)	China	Gansudaily (211.94.188.210)	TCP-Other	102.5	0.3
62	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs009.grid.sinica.edu.tw)	TCP-Other	101.4	0.2
63	United States	Univ of Washington (media-wm-4.ast.cac.washington.edu)	Korea (South)	PNU (164.125.88.127)	UDP-Other	95.9	0.2
64	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs002.grid.sinica.edu.tw)	TCP-Other	85.8	0.2
65	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	82.1	0.2
66	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs011.grid.sinica.edu.tw)	TCP-Other	76.5	0.2
67	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	75	0.2
68	Taiwan	Academia Sinica (c2fs010.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	74.8	0.2
69	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (147.46.56.209)	TCP-Other	72.3	0.2
70	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	70.4	0.2
71	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	69.5	0.2
72	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	67.8	0.2
73	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	TCP-Other	67.4	0.2
74	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	65.2	0.2
75	United States	Stanford Univ (lang.stanford.edu)	Korea (South)	CBNU (203.255.67.200)	TCP-Other	63.8	0.2
76	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	63.6	0.2
77	Korea (South)	GIST (210.125.84.33)	Korea (South)	KISTI (134.75.21.80)	UDP-Other	63.4	0.2
78	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	62.7	0.2
79	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	62.2	0.2
80	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	61.4	0.2
81	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	60.8	0.1
82	Taiwan	Academia Sinica (c2fs004.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	57.4	0.1
83	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	SNU (skuld.snu.ac.kr)	TCP-Other	55.4	0.1
84	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (halo.snu.ac.kr)	TCP-Other	53.1	0.1
85	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs003.grid.sinica.edu.tw)	TCP-Other	52	0.1
86	United States	ccny.cuny.edu (ees1cx.engr.ccny.cuny.edu)	Korea (South)	SNU (147.46.216.110)	TCP-Other	51.2	0.1
87	United States	Lawrence Livermore Natl Lab	Korea (South)	SNU (147.46.56.189)	TCP-Other	50	0.1

		(gdo2.ucllnl.org)					
88	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	49.8	0.1
89	United States	UC Berkely (teles.berkeley.edu)	China	CSTNET (210.73.2.170)	TCP-Other	48.9	0.1
90	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	48.5	0.1
91	United States	Brookhaven Natl Lab (phyppro1.phy.bnl.gov)	China	IHEP-CN (lxslc03.ihep.ac.cn)	TCP-Other	48.3	0.1
92	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.47.65)	TCP-Other	47.8	0.1
93	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	47.3	0.1
94	United States	UCAR (cosmic-io.cosmic.ucar.edu)	Korea (South)	SNU (147.47.211.155)	TCP-Other	46.2	0.1
95	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	45.1	0.1
96	United States	ESC11 (elive.esc11.net)	Korea (South)	KNU (155.230.169.156)	TCP-Other	44.8	0.1
97	United States	NOAA (ncepftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	43.4	0.1
98	Korea (South)	KAIST (win2003.kaist.ac.kr)	United States	Michigan State Univ (35.9.45.24)	TCP-Other	43.3	0.1
99	Korea (South)	KAIST (nasooji.kaist.ac.kr)	United States	nps.edu (diamond.nps.edu)	TCP-Other	40.2	0.1
100	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	China	on-nets.com (165.132.26.174)	TCP-Other	39.2	0.1
	Others		Others		*	17867.1	44
	Total					40631.2(0.3Mbps)	100

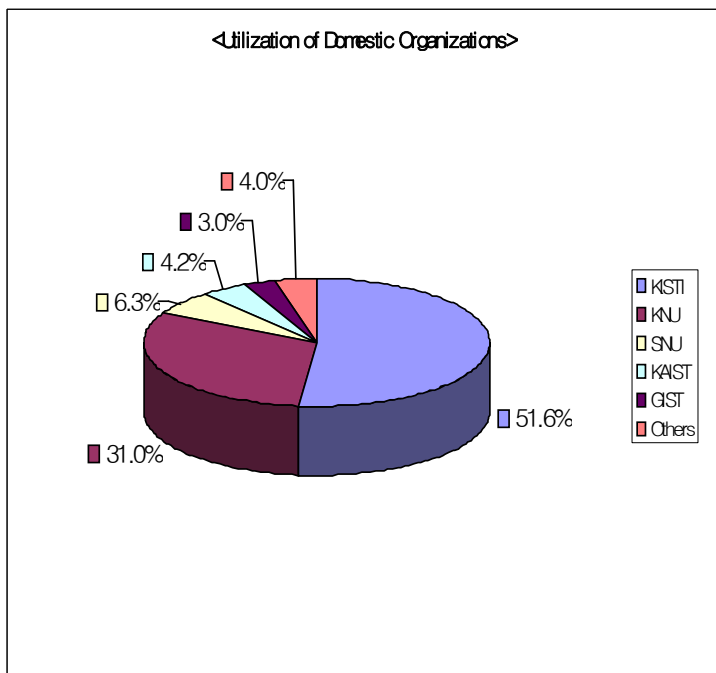
○ 국내 기관별 분류

<5월4주>



순위	기관명
1	KNU
2	KISTI
3	KAIST
4	SNU
5	Sejong
6	KRIBB
7	YONSEI

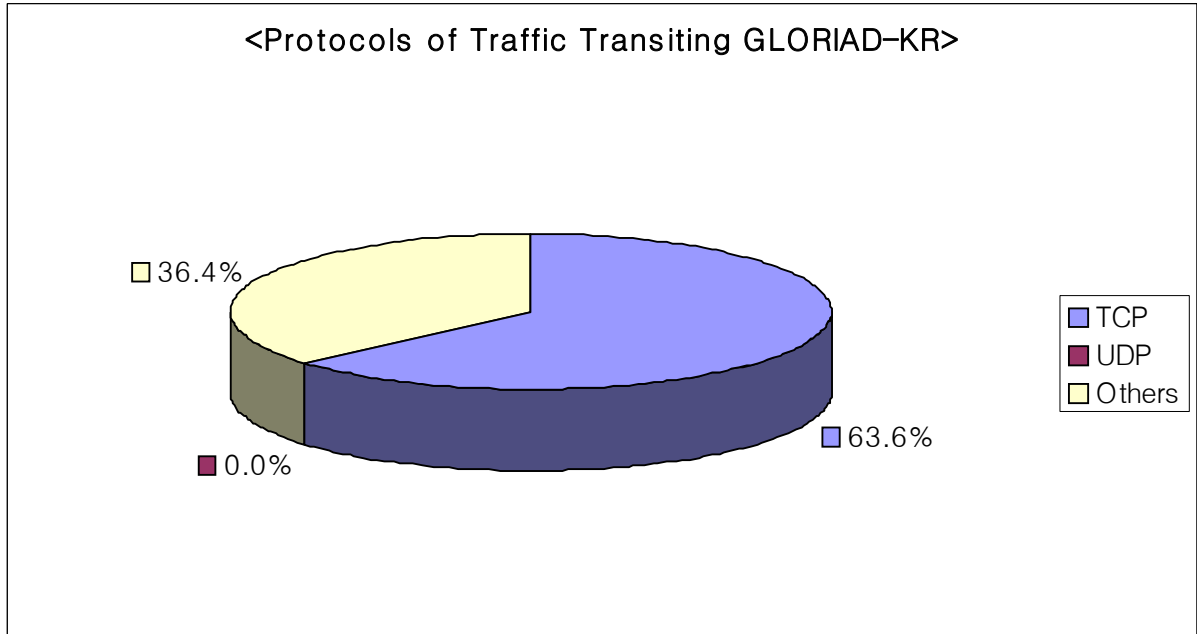
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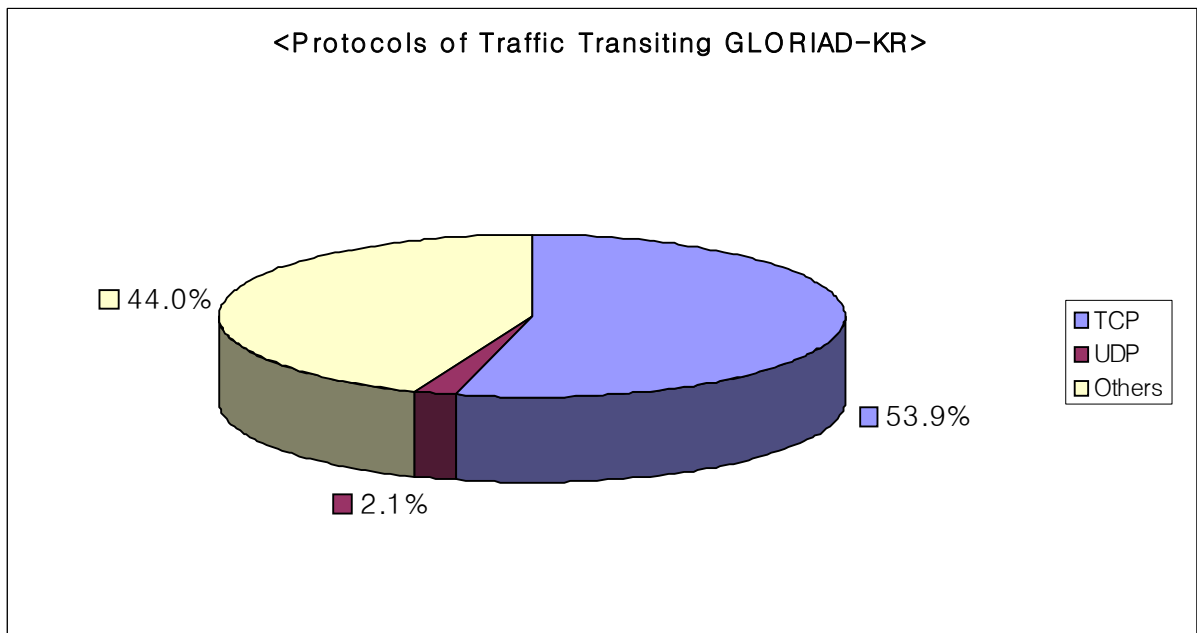
순위	기관명
1	KISTI
2	KNU
3	SNU
4	KAIST
5	GIST
6	KRIBB
7	KMA

○ 프로토콜별 분류

<5월4주>

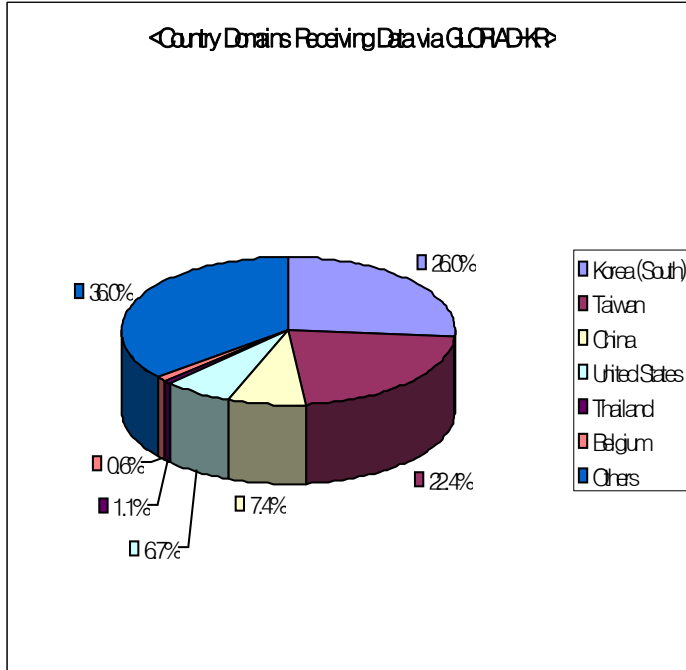


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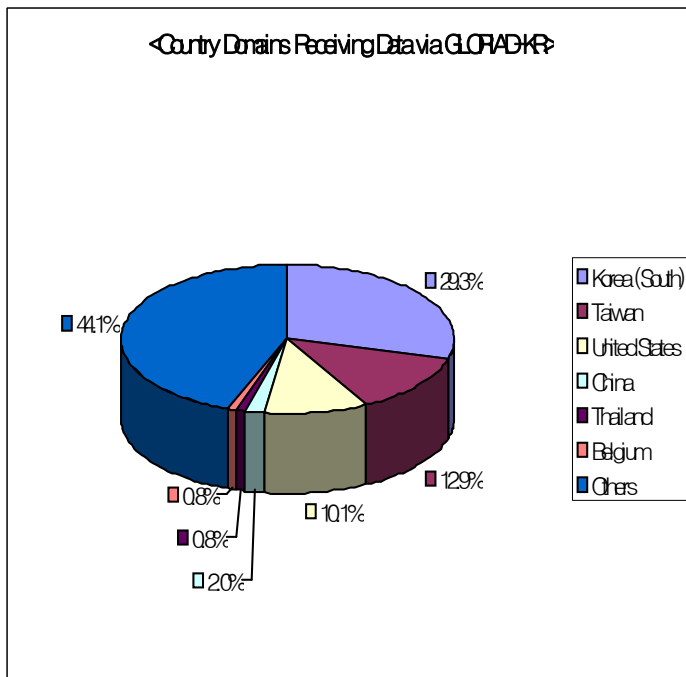
○ 국가별 분류 I (데이터 수신)

<5월4주>



순위	국가명
1	Korea (South)
2	Taiwan
3	China
4	United States
5	Thailand
6	Belgium
7	Indonesia

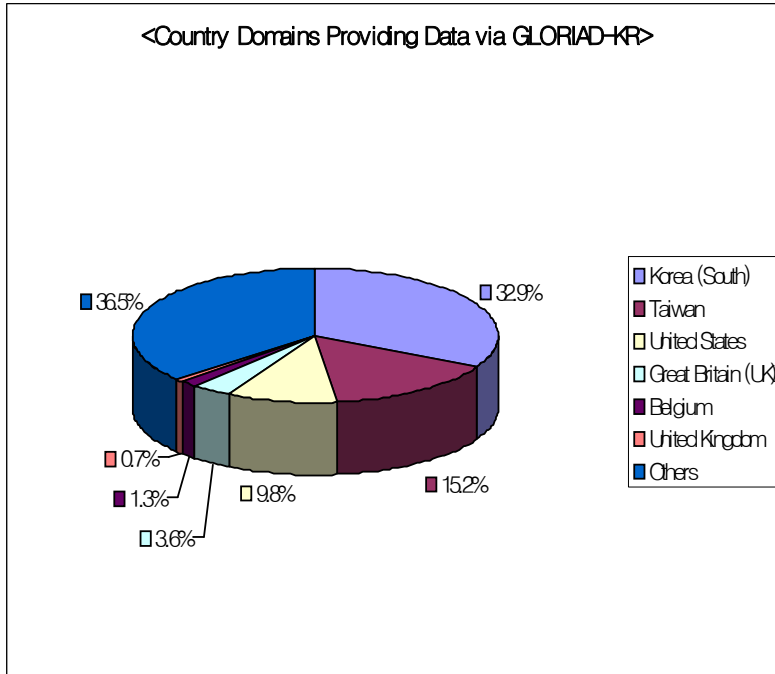
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순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	China
5	Thailand
6	Belgium
7	Austria

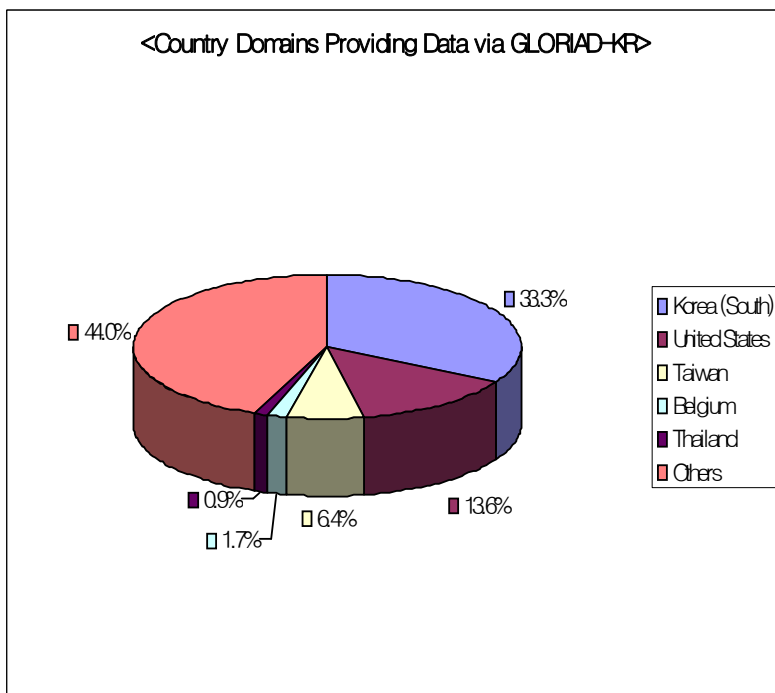
○ 국가별 분류 II (데이터 송신)

<5월4주>



순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	Great Britain (UK)
5	Belgium
6	United Kingdom
7	Italy
8	Switzerland
9	Viet Nam
10	Canada

<6월2주>



순위	국가명
1	Korea (South)
2	United States
3	Taiwan
4	Belgium
5	Thailand

'07년 06월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

2007년 06월 12일 ~ 2007년 06월 26일 (2주간)

Sampling Rate

1/500 packet based

GLORIAD-KR 트래픽 분석

Top 100 Users

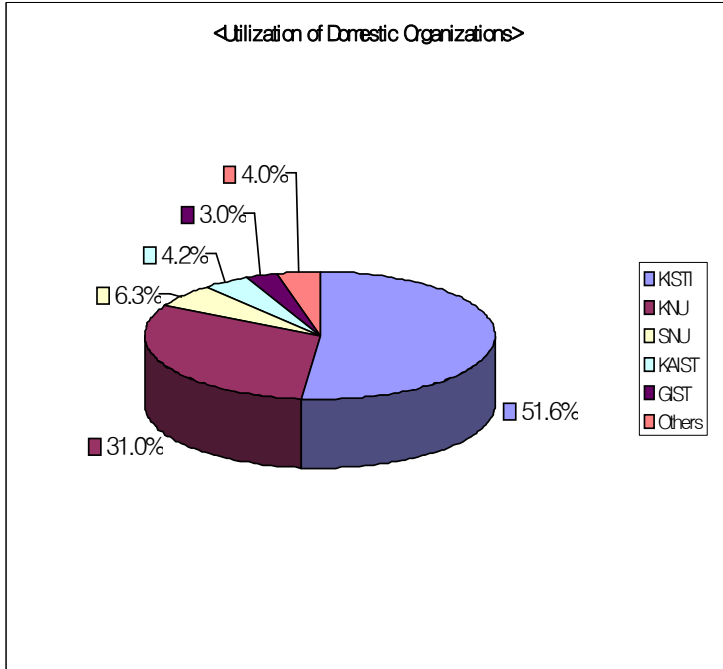
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	1517.6	4.4
2	Korea (South)	KT (203.255.252.195)	Korea (South)	KNU (cluster119.knu.ac.kr)	TCP-Other	1328.4	3.9
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	1161.6	3.4
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1161	3.4
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1142.5	3.3
6	Korea (South)	KISTI (134.75.114.132)	Korea (South)	KISTI (134.75.110.29)	TCP-Other	989.3	2.9
7	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	867.8	2.5
8	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	645	1.9
9	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	563.8	1.6
10	United States	Indiana Univ (maggie.bio.indiana.edu)	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	499	1.5
11	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	442.9	1.3
12	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	437.3	1.3
13	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	403.1	1.2
14	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	366.4	1.1
15	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	China	Science Museums of China (159.226.2.213)	TCP-Other	216.8	0.6
16	Korea (South)	KOREN (61.252.52.251)	Mexico	unam.mx (alien.astrosmo.unam.mx)	TCP-Other	212.9	0.6
17	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (nwp12.snu.ac.kr)	TCP-Other	199.9	0.6
18	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	170.8	0.5
19	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.29)	TCP-Other	154.7	0.4
20	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	146.2	0.4
21	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	KU (king.cache.ku.ac.th)	TCP-Other	143.2	0.4
22	Thailand	UniNet (grid.uni.net.th)	China	CERNET (202.179.242.102)	TCP-Other	142.7	0.4
23	Thailand	ac.th (tgcc.cpe.ku.ac.th)	China	CERNET (202.179.242.102)	TCP-Other	142.5	0.4
24	Thailand	KU (radiant.cpe.ku.ac.th)	China	CERNET (202.179.242.102)	TCP-Other	135.9	0.4
25	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	KU (158.108.2.45)	TCP-Other	100.9	0.3
26	Korea (South)	KAIST (livezen2.kaist.ac.kr)	China	Gansudaily (211.94.188.210)	TCP-Other	100.4	0.3
27	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	99.2	0.3
28	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	94.8	0.3
29	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	92.1	0.3
30	United Kingdom	Sanger Institute (newftpservice1.sanger.ac.uk)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	90.5	0.3
31	United States	Fermi Natl Lab (d0srv063.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	87.6	0.3

32	United States	NLM (umlsks4.nlm.nih.gov)	Korea (South)	SNU (sc1.snu.ac.kr)	TCP-Other	87.5	0.3
33	United States	NOAA (nomad1.ncep.noaa.gov)	Korea (South)	PKNU (210.125.120.88)	TCP-Other	82	0.2
34	United States	Fermi Natl Lab (linux21.fnal.gov)	Korea (South)	KOREN (61.252.51.71)	TCP-Other	80	0.2
35	United States	NOAA (nceftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (halo.snu.ac.kr)	TCP-Other	79.7	0.2
36	United States	Univ of Washington (media-wm-4.ast.cac.washington.edu)	Korea (South)	PNU (164.125.88.127)	UDP-Other	79.5	0.2
37	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	75.9	0.2
38	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	69.4	0.2
39	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.47.65)	TCP-Other	69.4	0.2
40	United States	NOAA (nceftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	68	0.2
41	Korea (South)	POSTECH (theo96.postech.ac.kr)	United Kingdom	UK Universities (students.dow.cam.ac.uk)	TCP-Other	57.7	0.2
42	United States	Stanford Univ (lang.stanford.edu)	Korea (South)	CBNU (203.255.67.200)	TCP-Other	57.5	0.2
43	United Kingdom	Sanger Institute (newftpservice1.sanger.ac.uk)	Korea (South)	KRIBB (210.218.222.89)	TCP-Other	56.6	0.2
44	United States	NIH (165.112.7.10)	Korea (South)	YONSEI (165.132.143.21)	TCP-Other	55.4	0.2
45	United States	NOAA (nomad1.ncep.noaa.gov)	Korea (South)	PKNU (210.125.120.17)	TCP-Other	54.2	0.2
46	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	YONSEI (165.132.26.210)	TCP-Other	53.5	0.2
47	Korea (South)	KISTI (134.75.110.130)	Korea (South)	KIAS (210.98.31.3)	TCP-Other	52.5	0.2
48	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.89)	TCP-Other	51.4	0.1
49	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	50.1	0.1
50	United States	NIH (130.14.29.110)	Korea (South)	KRIBB (210.218.199.136)	TCP-Other	48.6	0.1
51	United States	Pittsburgh Supercomputing Ctr (evo-66.psc.edu)	Korea (South)	Sejong Univ. (210.107.225.131)	TCP-Other	46.7	0.1
52	United States	NOAA (nceftp-ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	42.3	0.1
53	Korea (South)	SNU (gomsori.snu.ac.kr)	United States	Stanford Univ (okcomputer.stanford.edu)	TCP-Other	42.2	0.1
54	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	42.1	0.1
55	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	ctinets.com (058177242170.ctinets.com)	TCP-Other	40.5	0.1
56	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	YONSEI (165.132.26.176)	TCP-Other	39.5	0.1
57	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	39.3	0.1
58	Korea (South)	SNU (147.46.95.81)	Japan	KIREI-MAG (kirei-mag.jp)	TCP-Other	38.8	0.1
59	United States	UC Berkely (teles.berkeley.edu)	China	CSTNET (202.127.1.76)	TCP-Other	38.2	0.1
60	United States	UC Berkely (teles.berkeley.edu)	China	Inst of Computing Tech, CAS (159.226.40.185)	TCP-Other	37.5	0.1
61	United States	NASA Engin for Complex Sys (e0srp01u.ecs.nasa.gov)	Korea (South)	KARI (150.197.103.12)	TCP-Other	37	0.1
62	Korea (South)	KAIST (ftp.kaist.ac.kr)	Thailand	KU (emperor.cache.ku.ac.th)	TCP-Other	35	0.1
63	United States	Pittsburgh Supercomputing Ctr (et4-66.psc.edu)	Korea (South)	Sejong Univ. (210.107.225.131)	TCP-Other	34.8	0.1
64	Korea (South)	KAIST (dor2215.kaist.ac.kr)	Japan	ECC (202.94.134.110)	TCP-Other	34.7	0.1
65	United States	AS (ac2.as.arizona.edu)	Korea (South)	KAO (210.98.27.70)	TCP-Other	34.4	0.1
66	Korea (South)	SNU (147.46.178.189)	China	ctinets.com (061092239023.ctinets.com)	TCP-Other	34.2	0.1
67	Korea (South)	POSTECH (mdom2102-2.postech.ac.kr)	Australia	Exchange Point Blocks (155.69.126.187)	TCP-Other	34.1	0.1
68	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	China	CSTNET (159.226.158.31)	TCP-Other	33.7	0.1
69	Korea (South)	KAIST (dor243132.kaist.ac.kr)	United States	Stanford Univ (guntherha.stanford.edu)	TCP-Other	33.3	0.1
70	Korea (South)	POSTECH (mpa.postech.ac.kr)	United Kingdom	UK Universities (xp-eldhl-1.lut.ac.uk)	TCP-Other	31.3	0.1
71	United States	us.archive.org (ia301232.us.archive.org)	Korea (South)	PKNU (210.125.109.134)	TCP-Other	31.3	0.1
72	United States	UCAR (huron.scd.ucar.edu)	Korea (South)	SNU (land.snu.ac.kr)	TCP-Other	30.7	0.1
73	United States	iges.org (cola5.iges.org)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	29.9	0.1
74	United States	Univ of Arizona (ac1.as.arizona.edu)	Korea (South)	KAO (210.98.27.72)	TCP-Other	28.9	0.1
75	Korea (South)	SNU (147.46.90.199)	Japan	lsbm.org (133.11.177.236)	TCP-Other	27.8	0.1
76	China	IHEP-CN (lxplus01.ihep.ac.cn)	Italy	INFN-CNAF (ui01-lcg.cr.cnaf.infn.it)	TCP-Other	27.5	0.1
77	Korea (South)	KISTI (red.kreonet.re.kr)	United States	UC Berkely (newsfeed.berkeley.edu)	TCP-Other	27.4	0.1
78	United States	NIH (public.nlm.nih.gov)	Korea (South)	KRIBB (210.218.222.161)	TCP-Other	26.8	0.1
79	United States	NOAA (nomad3.ncep.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	26.2	0.1
80	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	China	CSTNET (159.226.234.15)	TCP-Other	25.4	0.1
81	United States	Univ of Chicago (128.135.106.30)	Korea (South)	KISTI (210.219.53.22)	UDP-Other	25.3	0.1
82	Korea (South)	KISTI (202.30.43.34)	Korea (South)	KREONet (startapgsr.kreonet.net)	Others	24.8	0.1
83	United States	MCNC-NCREN (webcache.ncren.net)	Indonesia	ac.id (167.205.22.105)	TCP-Other	24.6	0.1
84	United States	NOAA (nceftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (147.47.211.153)	TCP-Other	24.4	0.1
85	Korea (South)	KIAS (210.98.31.3)	Korea (South)	KISTI (134.75.110.130)	TCP-Other	23.8	0.1
86	Korea (South)	POSTECH (mdom15109-2.postech.ac.kr)	United States	Harvard Univ (dhcp187-241.harvard.edu)	TCP-Other	23.4	0.1

87	United States	rsmas.miami.edu (connect.rsmas.miami.edu)	Korea (South)	Sejong Univ. (210.107.221.36)	Others	23.2	0.1
88	Korea (South)	GIST (203.237.52.70)	France	INRIA Rhone-Alpes (miranda.inrialpes.fr)	TCP-Other	22.6	0.1
89	United States	MIT (swissnet.csail.mit.edu)	Korea (South)	Korea Univ. (163.152.51.37)	TCP-Other	21.5	0.1
90	Korea (South)	SNU (cselab.snu.ac.kr)	United States	Univ. Michigan (ssoopark.eecs.umich.edu)	TCP-Other	21.4	0.1
91	Korea (South)	KAIST (sdlab.kaist.ac.kr)	United States	res-hall.northwestern.edu (dhcp099005.res-hall.northwestern.edu)	TCP-Other	21.3	0.1
92	United States	Cornell Univ (r3659.resnet.cornell.edu)	Korea (South)	SNU (147.46.224.201)	TCP-Other	20.8	0.1
93	United States	cfa.harvard.edu (adsseeks.cfa.harvard.edu)	Korea (South)	KAO (ads.kao.re.kr)	TCP-Other	20.3	0.1
94	Netherlands	SHOWCASE (dhcp13.showcase.surfnet.nl)	United States	Multicast (233.4.79.130)	UDP-Other	20.3	0.1
95	United States	iges.org (cola2.iges.org)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	19.6	0.1
96	United States	San Diego Supercomputer Ctr (pdb112.sdsc.edu)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	19.3	0.1
97	Korea (South)	SNU (147.46.178.189)	United States	Univ of California Davis (d179-37-solano-1.ucdavis.edu)	TCP-Other	19.2	0.1
98	Korea (South)	KAIST (any.kaist.ac.kr)	United States	Princeton Univ (dynamic-oiit-vapornet-b-203.princeton.edu)	TCP-Other	19.2	0.1
99	Korea (South)	KAIST (sunho.kaist.ac.kr)	China	PCCW Limited (n219079229218.netvigator.com)	TCP-Other	18.9	0.1
100	Korea (South)	KAIST (camars.kaist.ac.kr)	United States	CRHC (cheolgi.crhc.uiuc.edu)	TCP-Other	18.8	0.1
	Others		Others		*	17841.8	51.9
	Total					34392.1(0.2Mbps)	100

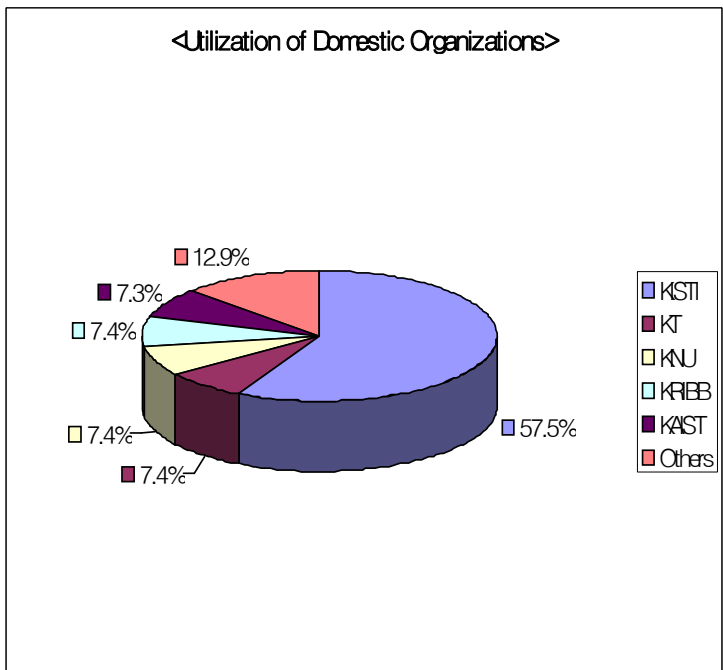
○ 국내 기관별 분류

<6월2주>



순위	기관명
1	KISTI
2	KNU
3	SNU
4	KAIST
5	GIST
6	KRIBB
7	KMA

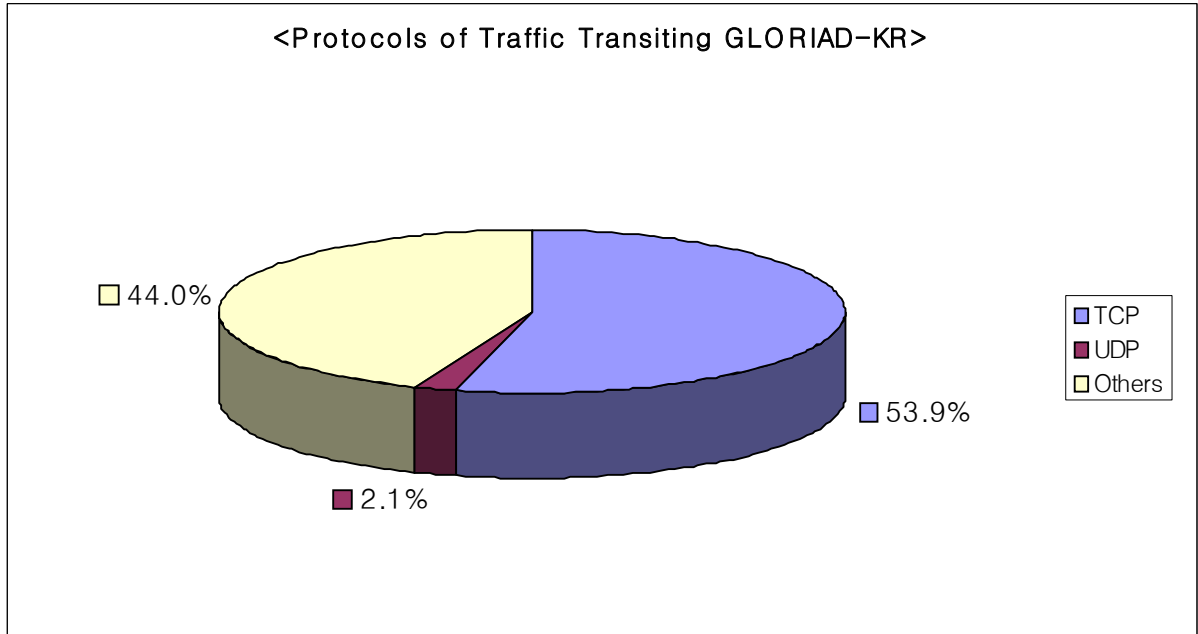
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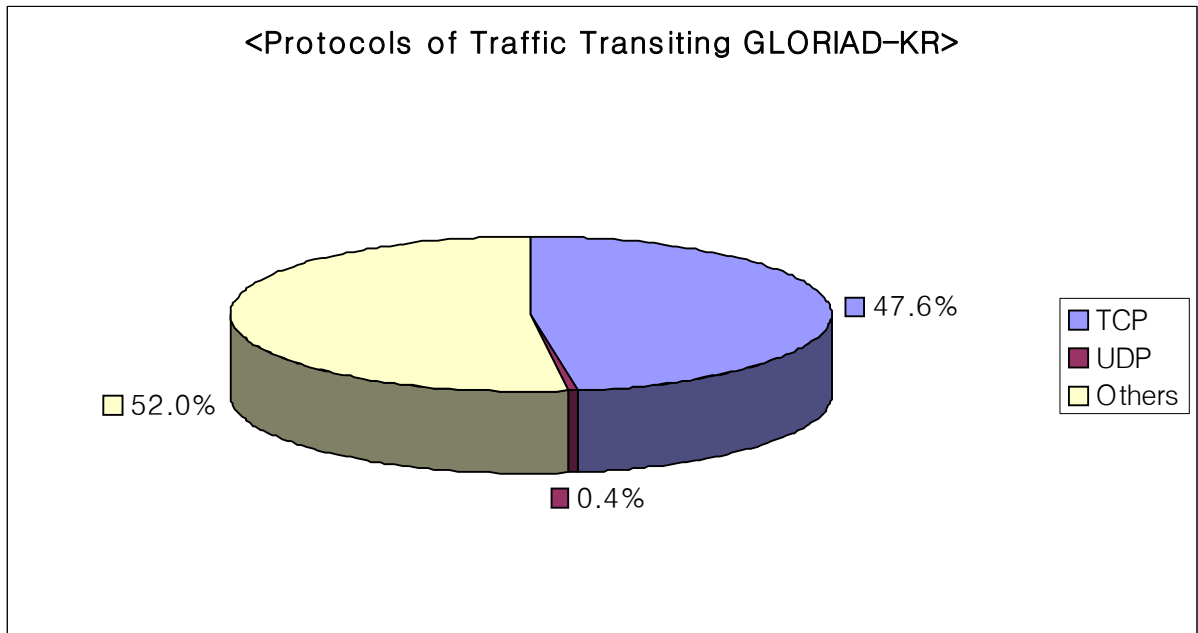
순위	기관명
1	KISTI
2	KT
3	KNU
4	KRIBB
5	KAIST
6	SNU
7	KOREN
8	KMA
9	PKNU
10	Kangnung Univ.
11	YONSEI
12	POSTECH
13	Sejong Univ.
14	KAO
15	PNU
16	KIAS
17	CBNU
18	KORDI
19	KARI
20	KREONet
21	GIST
22	Korea Univ.

○ 프로토콜별 분류

<6월2주>

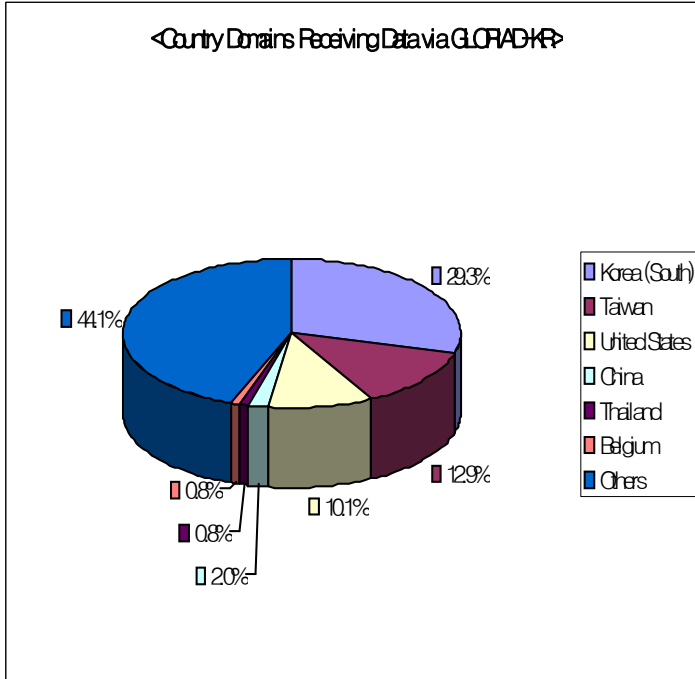


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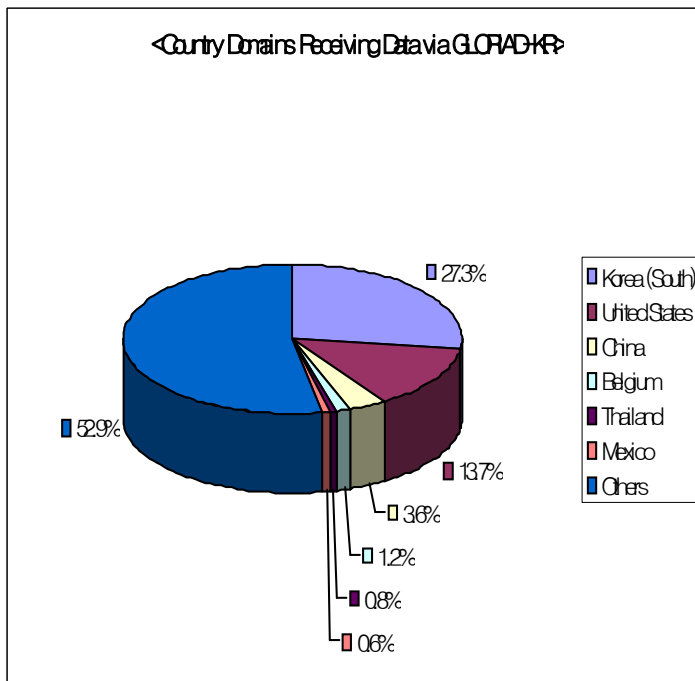
○ 국가별 분류 I (데이터 수신)

<6월2주>



순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	China
5	Thailand
6	Belgium
7	Austria

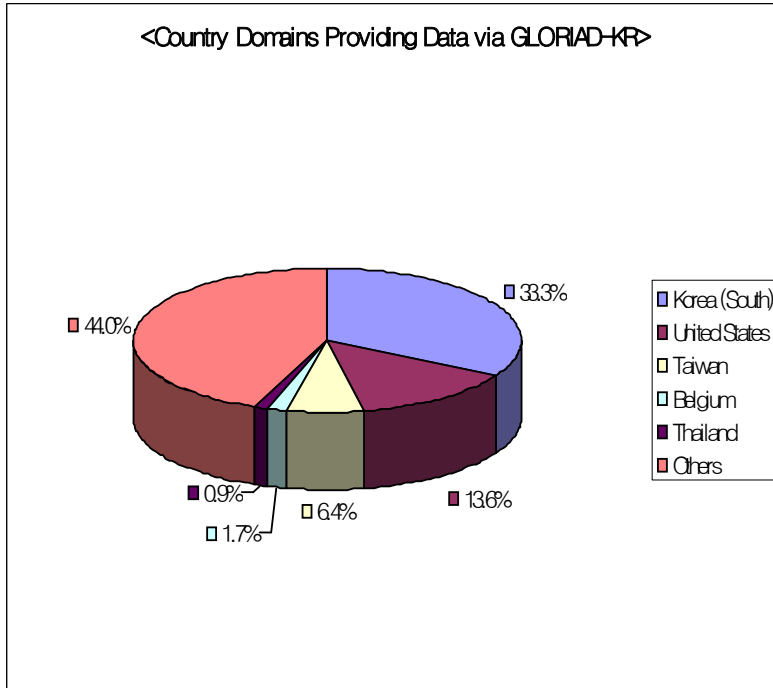
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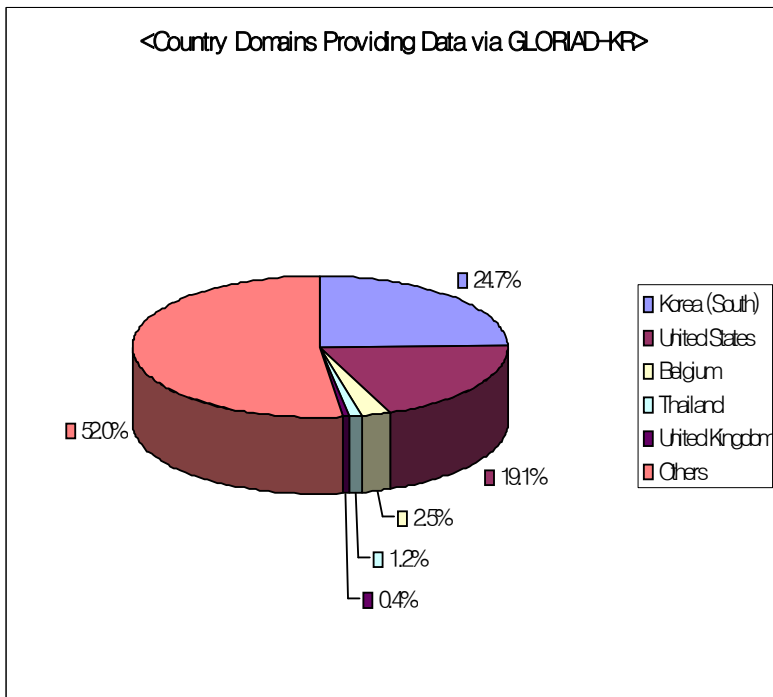
순위	국가명
1	Korea (South)
2	United States
3	China
4	Belgium
5	Thailand
6	Mexico
7	Japan
8	United Kingdom
9	Austria
10	Australia
11	Italy
12	Indonesia
13	France

○ 국가별 분류 II (데이터 송신)

<6월2주>



<6월4주>



'07년 08월2주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 07월 31일 ~ 2007년 08월 13일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

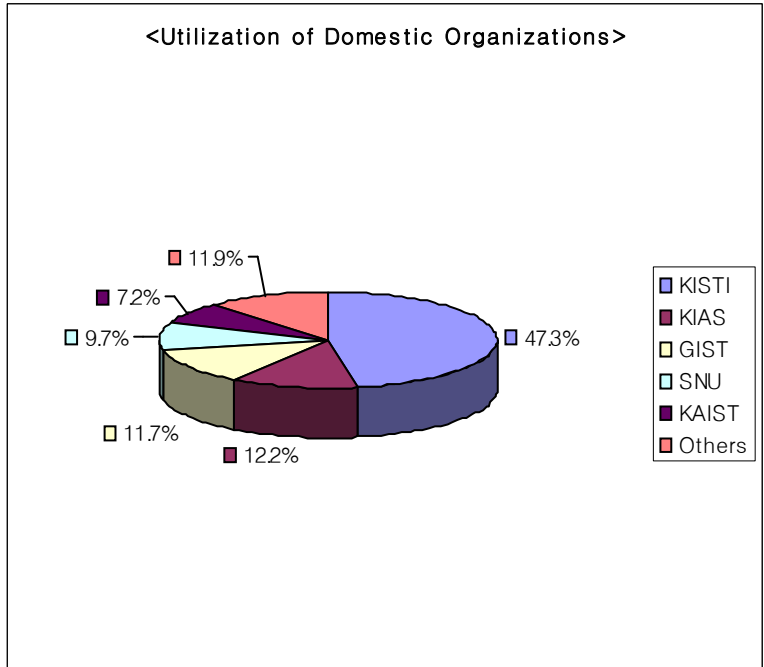
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	United States	STARTAP (206.220.241.33)	Korea (South)	KIAS (210.98.31.3)	UDP-Other	26866.6	3.6
2	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	21665	2.9
3	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	20792.3	2.8
4	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	20697.5	2.8
5	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	20008.9	2.7
6	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	19777.7	2.6
7	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	17941.2	2.4
8	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	17520.1	2.3
9	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	17016	2.3
10	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	16712.8	2.2
11	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	16653	2.2
12	Korea (South)	GIST (210.125.84.54)	Korea (South)	KISTI (134.75.21.81)	UDP-Other	16541.3	2.2
13	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	16514.9	2.2
14	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	16008.9	2.1
15	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	15919.1	2.1
16	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	15720.1	2.1
17	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	15416.5	2.1
18	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	15023.5	2
19	Korea (South)	GIST (210.125.84.120)	United States	EVL (pathfinder.evl.uic.edu)	UDP-Other	12533.3	1.7
20	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	12322.6	1.6
21	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	12117.2	1.6
22	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	11996.6	1.6
23	Korea (South)	KISTI (134.75.21.80)	Korea (South)	GIST (210.125.84.17)	UDP-Other	7862.9	1
24	Korea (South)	KISTI (134.75.114.151)	Australia	Exchange Point Blocks (134.75.110.10)	TCP-Other	7619.4	1
25	United States	Indiana Univ	Korea (South)	KAIST (bio-mirror.kr.apan.net)	TCP-Other	6069.5	0.8

		(maggie.bio.indiana.edu)					
26	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	5525.7	0.7
27	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	hostrino.com (host-210-245-235-100.hostrino.com)	TCP-Other	5100.5	0.7
28	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	4593.8	0.6
29	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	4095.6	0.5
30	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	4077.3	0.5
31	Korea (South)	KISTI (134.75.21.81)	Korea (South)	GIST (210.125.84.54)	UDP-Other	3994.9	0.5
32	Korea (South)	KISTI (134.75.114.151)	Australia	Exchange Point Blocks (134.75.110.10)	UDP-Other	3901.5	0.5
33	United States	NASA Goddard SFC (cddis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.123)	TCP-Other	3114.2	0.4
34	Australia	Exchange Point Blocks (134.75.110.10)	Korea (South)	KISTI (134.75.114.151)	TCP-Other	2901.3	0.4
35	Korea (South)	KISTI (134.75.21.100)	Korea (South)	KISTI (134.75.73.201)	UDP-Other	2338.9	0.3
36	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	2336.6	0.3
37	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	2261.2	0.3
38	Korea (South)	GIST (210.125.84.33)	Korea (South)	KISTI (134.75.71.11)	UDP-Other	1776.4	0.2
39	United States	UCAR (ultrazone.ucar.edu)	China	CSTNET (210.73.54.24)	TCP-Other	1766.1	0.2
40	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	1624.9	0.2
41	Korea (South)	KISTI (yellow.kreonet.re.kr)	China	CUHK (mediaw21.ie.cuhk.edu.hk)	TCP-Other	1579.1	0.2
42	Korea (South)	KISTI (134.75.21.100)	Korea (South)	GIST (210.125.84.18)	UDP-Other	1537.9	0.2
43	Korea (South)	KISTI (134.75.73.201)	Korea (South)	KISTI (134.75.21.100)	UDP-Other	1531.6	0.2
44	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (167.205.22.105)	TCP-Other	1509.7	0.2
45	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	1459.6	0.2
46	Thailand	UniNet (grid.uni.net.th)	China	CERNET (202.179.242.102)	TCP-Other	1416.7	0.2
47	Thailand	KU (158.108.213.15)	China	CERNET (202.179.242.102)	TCP-Other	1415.9	0.2
48	Thailand	KU (radiant.cpe.ku.ac.th)	China	CERNET (202.179.242.102)	TCP-Other	1368.9	0.2
49	United States	Jefferson Lab (jlab3.jlab.org)	Korea (South)	SNU (147.46.90.232)	TCP-Other	1355.9	0.2
50	Korea (South)	KISTI (134.75.71.11)	Korea (South)	GIST (210.125.84.18)	UDP-Other	1342.7	0.2
51	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	Kangnung Univ. (220.69.235.29)	TCP-Other	1204.4	0.2
52	United States	NIH (130.14.29.30)	Korea (South)	KOBIC (210.218.222.88)	TCP-Other	1178.4	0.2
53	Korea (South)	KAIST (ftp.kaist.ac.kr)	Taiwan	rev.dyxnet.com (static-ip-139-73-134-202.rev.dyxnet.com)	TCP-Other	1166	0.2
54	Spain	ciemat.es (192.101.166.234)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	1162.8	0.2
55	Korea (South)	KISTI (134.75.73.201)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	1149.7	0.2
56	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	1131.5	0.2
57	Korea (South)	KAIST (isc.kaist.ac.kr)	Taiwan	broadweb (192.83.190.213)	TCP-Other	1074.9	0.1
58	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	1065.7	0.1
59	United Kingdom	qmul.ac.uk (fe01.esc.qmul.ac.uk)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	1058.5	0.1
60	United States	NASA Goddard SFC (cddis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.174)	TCP-Other	1035	0.1
61	Austria	oeaw.ac.at (hephygr.oeaw.ac.at)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	1034.7	0.1
62	Korea (South)	SNU (kyujanggak.snu.ac.kr)	China	Inst of Atmos Physics, CAS (159.226.119.155)	TCP-Other	1030.8	0.1
63	United States	iges.org (crew.iges.org)	China	CSTNET (159.226.115.55)	TCP-Other	1028.1	0.1
64	China	CSTNET (210.73.54.24)	United States	UCAR (ultrazone.ucar.edu)	TCP-Other	1023.3	0.1
65	United States	TRECC (trecc-video.trecc.org)	United States	Multicast (224.2.224.15)	UDP-Other	989.8	0.1
66	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	979.7	0.1
67	China	CSTNET (210.73.54.24)	Great Britain (UK)	ECMWF (tigge-ldm.ecmwf.int)	TCP-Other	959.1	0.1
68	United States	UCSD (nostromo.ucsd.edu)	China	Inst of Atmos Physics, CAS (159.226.119.155)	TCP-Other	958.7	0.1
69	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	934	0.1
70	Poland	POLGRID (fwe.polgrid.pl)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	915	0.1
71	Korea (South)	SNU (147.47.251.168)	China	POWERCOM (202.80.130.45)	TCP-Other	911	0.1
72	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.47.65)	TCP-Other	874	0.1
73	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	871.1	0.1
74	United States	Jefferson Lab (jlab3.jlab.org)	Korea (South)	SNU (147.46.25.239)	TCP-Other	815.1	0.1
75	United States	Lawrence Livermore Natl Lab (esgset.llnl.gov)	Korea (South)	PNU (164.125.38.150)	TCP-Other	777.8	0.1
76	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	765.1	0.1
77	Canada	PHYSICS (vnfe4.physics.ubc.ca)	Korea (South)	KISTI (150.183.234.231)	TCP-Other	729.9	0.1
78	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	729.2	0.1
79	Korea (South)	GIST (210.125.84.18)	Korea (South)	KISTI (134.75.21.100)	UDP-Other	704.8	0.1
80	United States	UMD (esipftp07.umiacs.umd.edu)	China	CSTNET (210.72.26.29)	TCP-Other	681.4	0.1
81	Korea (South)	POSTECH (yukon.postech.ac.kr)	Netherlands	Universiteit Twente (utip499.cs.utwente.nl)	TCP-Other	660.6	0.1
82	Korea (South)	GIST (210.125.84.120)	United States	Ameritech (206.220.240.2)	UDP-Other	657.8	0.1
83	United Kingdom	UK Universities (dgc-grid-44.brunel.ac.uk)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	647.1	0.1
84	Korea (South)	POSTECH (yukon.postech.ac.kr)	Germany	EECS (meat.eecs.jacobs-university.de)	TCP-Other	642.9	0.1

85	Germany	GridKa (nat-outside-fzk.gridka.de)	Korea (South)	KNU (cluster140.knu.ac.kr)	TCP-Other	632.6	0.1
86	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	624.1	0.1
87	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	623.8	0.1
88	Korea (South)	KISTI (150.183.5.73)	United States	UCAR (bv1103ge.ucar.edu)	TCP-Other	620.5	0.1
89	United States	NASA (disc2.nascom.nasa.gov)	China	Inst of Atmos Physics, CAS (159.226.62.119)	TCP-Other	612.5	0.1
90	Korea (South)	KNU (cluster116.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	605.4	0.1
91	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	604.3	0.1
92	United States	UMD (esipftp05.umiacs.umd.edu)	China	CSTNET (210.72.26.29)	TCP-Other	587.1	0.1
93	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	575.7	0.1
94	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	573.2	0.1
95	United States	NASA (ladswb.nascom.nasa.gov)	China	CSTNET (159.226.115.23)	TCP-Other	555.1	0.1
96	United States	NYU (bias.cosmo.fas.nyu.edu)	Korea (South)	KIAS (quest.kias.re.kr)	TCP-Other	549.3	0.1
97	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	China	CSTNET (159.226.234.15)	TCP-Other	547	0.1
98	Korea (South)	GIST (210.125.84.54)	Korea (South)	KISTI (134.75.21.80)	UDP-Other	540.8	0.1
99	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	China	CSTNET (159.226.158.148)	TCP-Other	537.8	0.1
100	Korea (South)	KISTI (134.75.21.110)	United States	Multicast (226.1.1.1)	UDP-Other	531.9	0.1
	Others		Others		*	247681.5	33
	Total					749794.5(5.0Mbps)	100

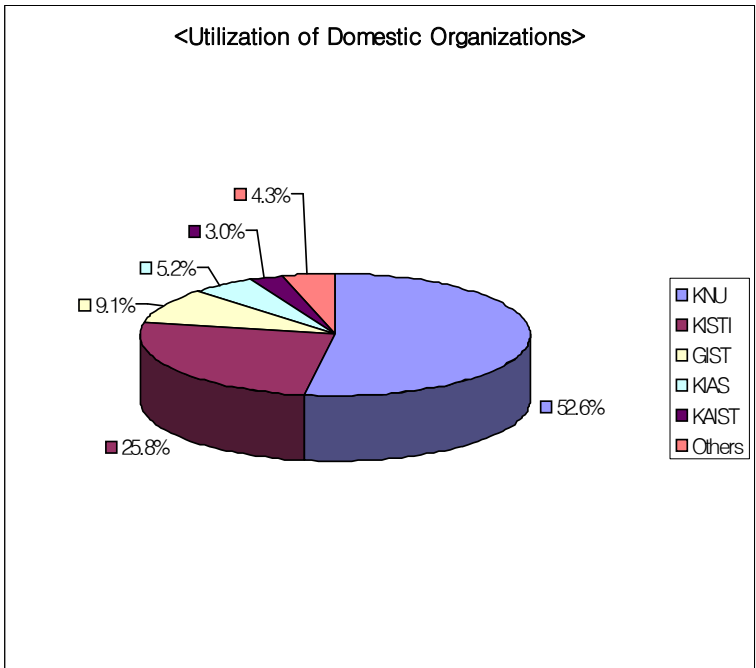
○ 국내 기관별 분류

<7월2주>



순위	기관명
1	KISTI
2	KIAS
3	GIST
4	SNU
5	KAIST
6	KRIBB
7	KOREN
8	POSTECH
9	PNU
10	YONSEI
11	KMA
12	Inha Univ.
13	KRICT
14	KORDI
15	KEI
16	kigam.re.kr
17	KAO
18	hoseo.ac.kr
19	Kangnung Univ.
20	EWHA

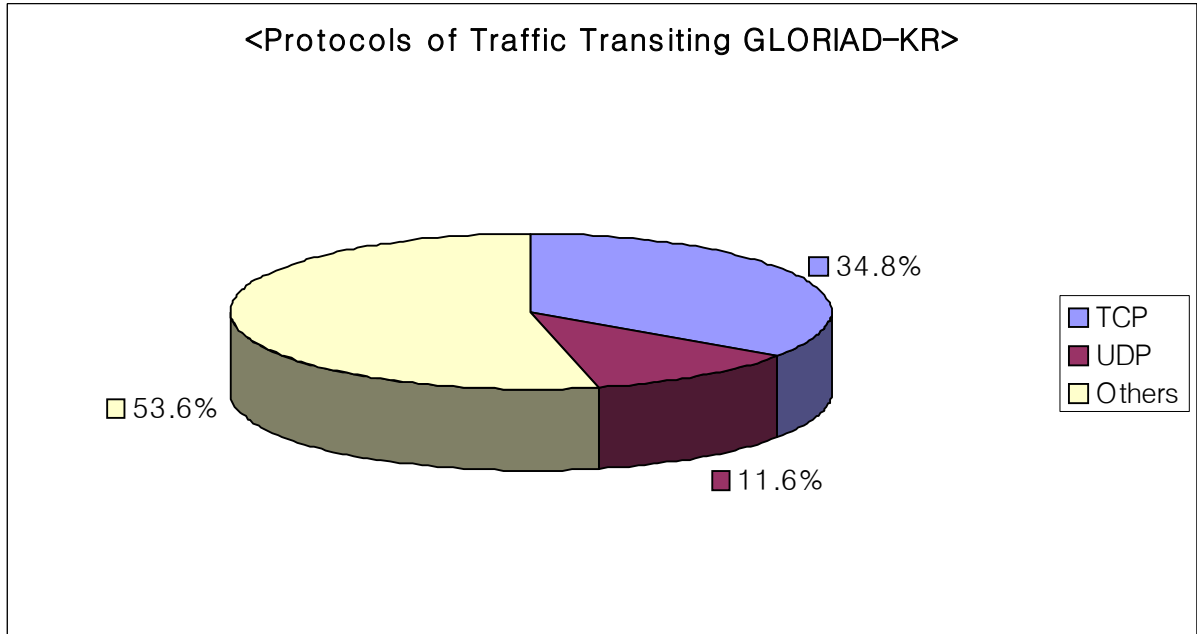
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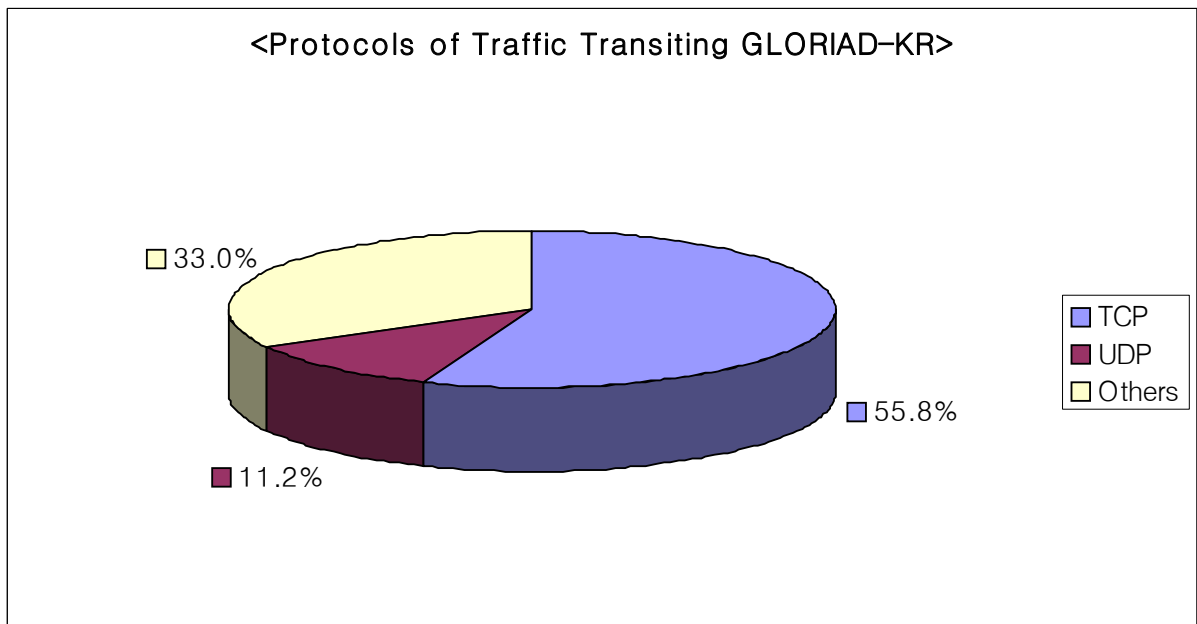
순위	기관명
1	KNU
2	KISTI
3	GIST
4	KIAS
5	KAIST
6	KRIBB
7	KOREN
8	SNU
9	POSTECH
10	Kangnung Univ.
11	KOBIC
12	PNU
13	KMA

○ 프로토콜별 분류

<7월2주>

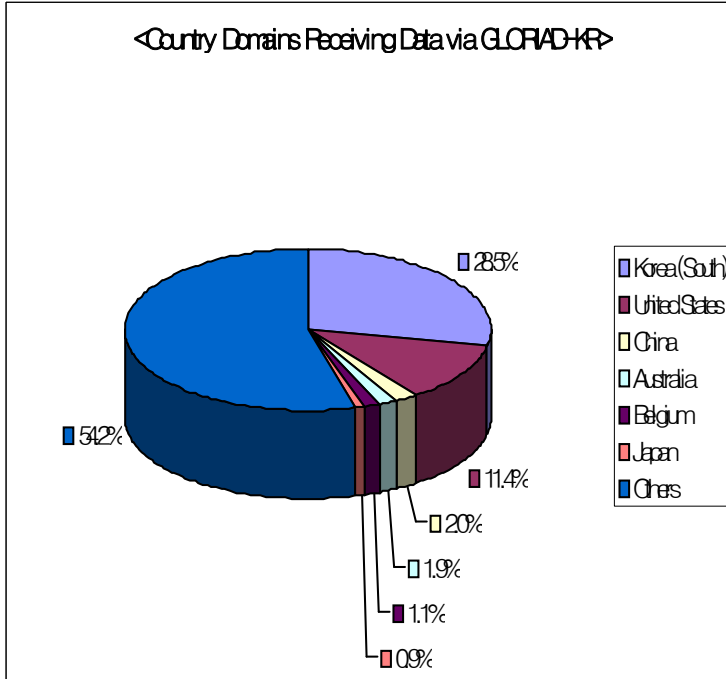


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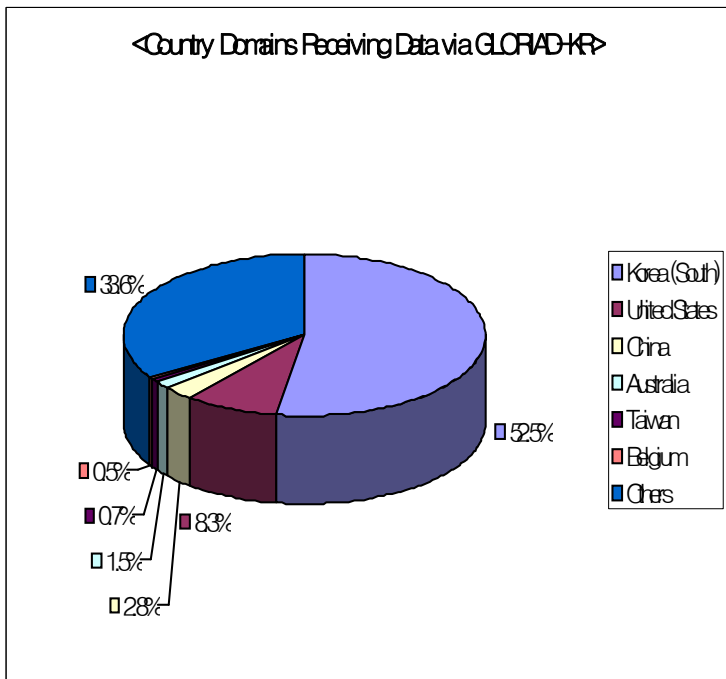
○ 국가별 분류 I (데이터 수신)

<7월2주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Australia
5	Belgium
6	Japan
7	Taiwan
8	Austria
9	Thailand
10	United Kingdom
11	Germany

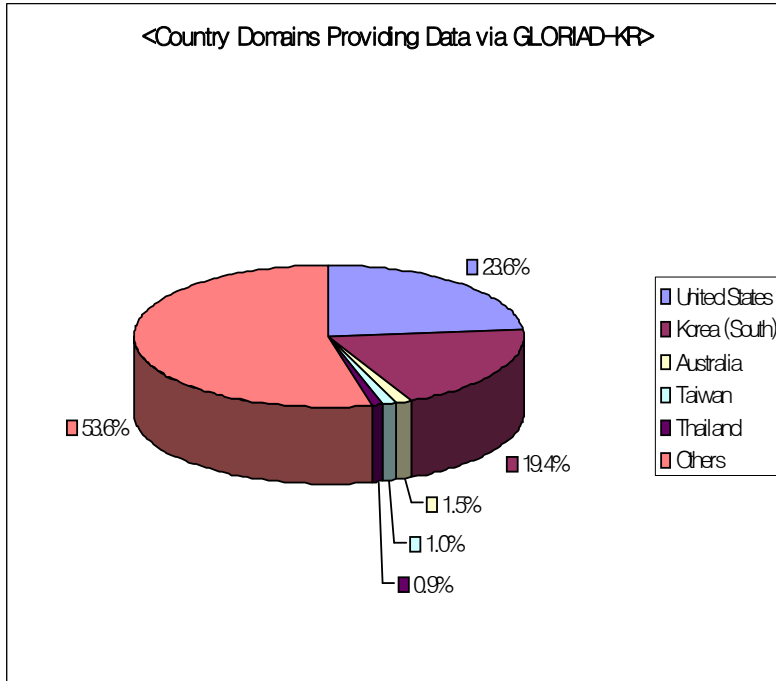
<8월2주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Australia
5	Taiwan
6	Belgium
7	Indonesia
8	Great Britain (UK)
9	Austria
10	Netherlands
11	Germany

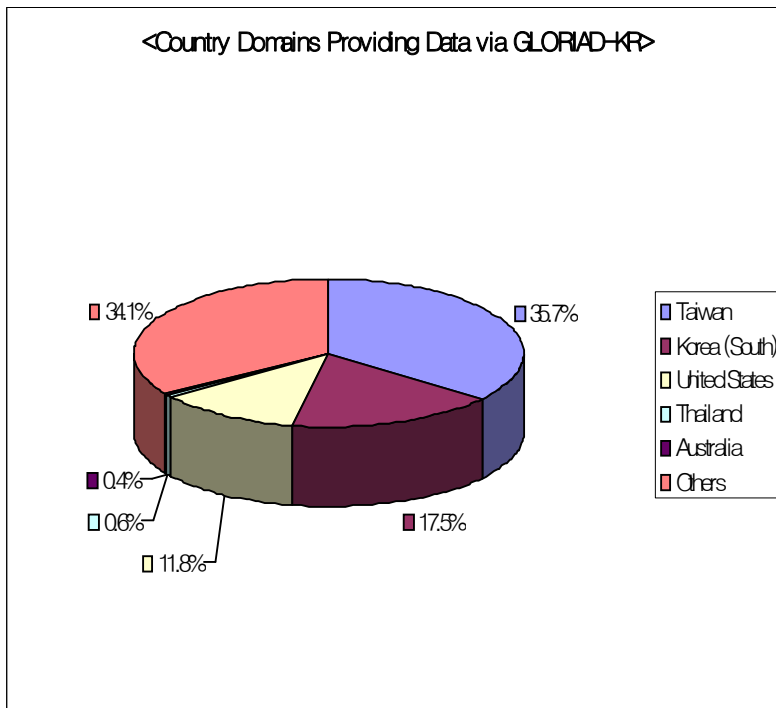
○ 국가별 분류 II (데이터 송신)

<7월2주>



순위	국가명
1	United States
2	Korea (South)
3	Australia
4	Taiwan
5	Thailand

<8월2주>



순위	국가명
1	Taiwan
2	Korea (South)
3	United States
4	Thailand
5	Australia

'07년 09월2주 GLORIAD-KR 모니터링

보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)

GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

2007년 08월 28일 ~ 2007년 09월 11일 (2주간)

Sampling Rate

1/500 packet based

GLORIAD-KR 트래픽 분석

Top 100 Users

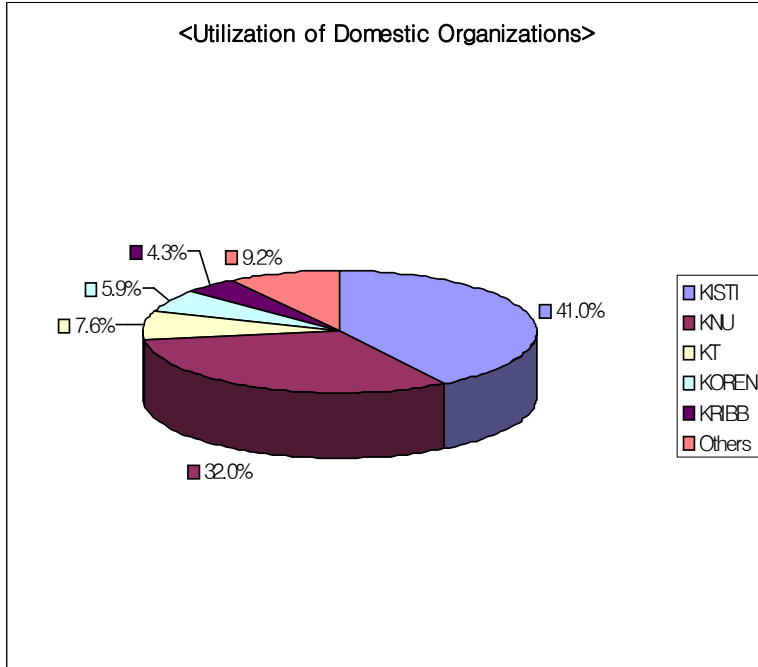
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	United States	AAEP (206.220.240.201)	Korea (South)	KIAS (210.98.31.3)	UDP-Other	19199.7	4.4
2	United States	LA State Univ (130.39.113.185)	United States	Multicast (226.1.1.1)	UDP-Other	15299.5	3.5
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	13540.8	3.1
4	Korea (South)	KT (203.255.252.193)	Korea (South)	KNU (cluster119.knu.ac.kr)	TCP-Other	12639.2	2.9
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	10599.4	2.4
6	United States	CALTECH (192.84.86.69)	Korea (South)	KIAS (210.98.31.3)	UDP-Other	9365.6	2.1
7	United States	Ameritech (206.220.240.200)	Korea (South)	KIAS (210.98.31.3)	UDP-Other	6125.3	1.4
8	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	5281	1.2
9	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	5186.3	1.2
10	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	4007.1	0.9
11	United States	mcs.anl.gov (milton.mcs.anl.gov)	Korea (South)	KOREN (61.252.60.35)	UDP-Other	3734	0.9
12	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	3529.5	0.8
13	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	3362.3	0.8
14	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	3128	0.7
15	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	oss.lzu.edu.cn (210.26.112.140)	TCP-Other	2012.5	0.5
16	United States	ENGR (iceage.engr.utk.edu)	China	SCUT (222.201.159.245)	TCP-Other	2008.2	0.5
17	United States	NOAA (nomad5.ncep.noaa.gov)	Korea (South)	YONSEI (165.132.25.181)	TCP-Other	1992.5	0.5
18	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	1868	0.4
19	Switzerland	CERN - European Lab for Particle Physics (lcgapp2.cern.ch)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	1805.8	0.4
20	Viet Nam	vnu.edu.vn (130.199.132.196)	Korea (South)	SNU (josiah.snu.ac.kr)	TCP-Other	1740.8	0.4
21	Switzerland	CERN - European Lab for Particle Physics (xplus201.cern.ch)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	1730.5	0.4
22	United States	Lawrence Livermore Natl Lab (gdo2.ucllnl.org)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	1717.1	0.4
23	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	1686	0.4
24	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	1558.9	0.4
25	United States	mcs.anl.gov (milton.mcs.anl.gov)	United States	Multicast (224.2.224.15)	UDP-Other	1545.6	0.4
26	Korea (South)	KISTI (134.75.21.151)	United States	Ameritech (206.220.240.200)	TCP-Other	1516.7	0.3
27	United States	NASA Goddard SFC (cdis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.123)	TCP-Other	1483.5	0.3
28	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	1402.9	0.3
29	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	1316.3	0.3
30	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (167.205.22.105)	TCP-Other	1310.4	0.3
31	United States	CGD (mineral.cgd.ucar.edu)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	1242.4	0.3
32	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	1217.3	0.3
33	United States	UCAR (ultrazone.ucar.edu)	China	CSTNET (210.73.54.24)	TCP-Other	1198.4	0.3

34	United States	NIH (165.112.7.10)	Korea (South)	KISTI (150.183.48.74)	TCP-Other	1082.6	0.2
35	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	1080.4	0.2
36	United States	ENGR (iceage.engr.utk.edu)	China	AIRE (166.111.42.83)	TCP-Other	950.4	0.2
37	United States	MCNC-NCREN (webcache.ncren.net)	Indonesia	ac.id (cache1.itb.ac.id)	TCP-Other	929.3	0.2
38	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	915.9	0.2
39	United States	FSL (clank.fsl.noaa.gov)	Korea (South)	APCC (210.98.49.101)	TCP-Other	846.8	0.2
40	United States	Lawrence Livermore Natl Lab (esgcat.llnl.gov)	Korea (South)	SNU (147.47.215.34)	TCP-Other	834	0.2
41	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	830.3	0.2
42	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	822.3	0.2
43	United States	mcs.anl.gov (milton.mcs.anl.gov)	Korea (South)	KOREN (61.252.60.34)	UDP-Other	789.7	0.2
44	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	YONSEI (165.132.26.71)	TCP-Other	781.9	0.2
45	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	768.1	0.2
46	Korea (South)	POSTECH (mangchi.postech.ac.kr)	Belgium	ucl.ac.be (felicity.dice.ucl.ac.be)	TCP-Other	757	0.2
47	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4604.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	755.2	0.2
48	United States	NASA Goddard SFC (heasarc.gsfc.nasa.gov)	China	AIRE (166.111.26.5)	TCP-Other	745.7	0.2
49	United States	UCSD (graphics.ucsd.edu)	China	CSTNET (159.226.43.57)	TCP-Other	739.4	0.2
50	Korea (South)	KISTI (150.183.229.47)	Korea (South)	KISTI (134.75.106.3)	UDP-Other	734	0.2
51	United States	NIH (130.14.29.30)	Korea (South)	SNU (203.250.206.51)	TCP-Other	719.9	0.2
52	United States	TRECC (trecc-video.trecc.org)	United States	Multicast (224.2.224.15)	UDP-Other	711.5	0.2
53	United States	NASA Goddard SFC (cddis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.174)	TCP-Other	652.9	0.1
54	United States	NIH (165.112.7.10)	Australia	Exchange Point Blocks (203.253.134.236)	TCP-Other	638.8	0.1
55	Switzerland	CERN - European Lab for Particle Physics (lxfsrc1806.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	636.3	0.1
56	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.47.65)	TCP-Other	635.8	0.1
57	Korea (South)	KISTI (yellow.kreonet.re.kr)	China	CUHK (mediaw21.ie.cuhk.edu.hk)	TCP-Other	628.7	0.1
58	United States	NCSA (voyage.ncsa.uiuc.edu)	United States	Multicast (224.2.224.15)	UDP-Other	621.5	0.1
59	Korea (South)	KAIST (ammg.kaist.ac.kr)	United States	Univ of Utah (usalre-west-3-193.usahousing.utah.edu)	TCP-Other	598.6	0.1
60	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Australia	Exchange Point Blocks (210.77.69.91)	TCP-Other	537.5	0.1
61	United States	Lawrence Livermore Natl Lab (esgcat.llnl.gov)	Korea (South)	PNU (164.125.38.150)	TCP-Other	537.4	0.1
62	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	535.2	0.1
63	Switzerland	CERN - European Lab for Particle Physics (lxfsrc1808.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	524.2	0.1
64	United States	LONI (208.100.123.17)	United States	Multicast (224.2.224.15)	UDP-Other	519.4	0.1
65	Korea (South)	KAIST (ftp.kaist.ac.kr)	Malaysia	TMNET (174.220.208.218.kj03-home.tm.net.my)	TCP-Other	518.2	0.1
66	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (147.47.211.153)	TCP-Other	512	0.1
67	Korea (South)	KAIST (triangle.kaist.ac.kr)	United States	IBM (yktgi01e0-s4.watson.ibm.com)	TCP-Other	496.6	0.1
68	United States	Fermi Natl Lab (nkchep9.fnal.gov)	Korea (South)	KNU (cms1.knu.ac.kr)	TCP-Other	490.9	0.1
69	United States	UCAR (huron.scd.ucar.edu)	Indonesia	ac.id (167.205.22.105)	TCP-Other	482.9	0.1
70	United States	UCAR (huron.scd.ucar.edu)	Indonesia	ac.id (cache1.itb.ac.id)	TCP-Other	473.1	0.1
71	Korea (South)	SNU (147.46.39.162)	United States	UCSD (dyn-184-67.ucsd.edu)	TCP-Other	459.7	0.1
72	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	438	0.1
73	Korea (South)	KAIST (vivien.kaist.ac.kr)	United States	ee.nd.edu (fsk.ee.nd.edu)	TCP-Other	428.9	0.1
74	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	426.6	0.1
75	United States	UCB (sidads.colorado.edu)	China	ZPYFIC (210.72.26.32)	TCP-Other	420	0.1
76	United States	NOAA (ncepftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	412.3	0.1
77	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.227.77)	TCP-Other	410.1	0.1
78	Korea (South)	POSTECH (stmtf1.postech.ac.kr)	United States	UIUC (pc179129.mie.uiuc.edu)	TCP-Other	396.2	0.1
79	Switzerland	CERN - European Lab for Particle Physics (lxfsrc2008.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	396	0.1
80	Korea (South)	KISTI (134.75.21.151)	United States	Ameritech (206.220.240.200)	UDP-Other	393.4	0.1
81	Korea (South)	GIST (210.125.84.120)	United States	Ameritech (206.220.240.2)	UDP-Other	388.1	0.1
82	United States	NIH (165.112.7.10)	Korea (South)	SNU (203.250.206.51)	TCP-Other	379.4	0.1
83	Switzerland	CERN - European Lab for Particle Physics (lxfsrc1805.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	373.2	0.1
84	Korea (South)	KRIBB (210.218.222.129)	Thailand	THAIGRID (download.thaigrid.or.th)	TCP-Other	366.1	0.1
85	Thailand	UniNet (grid.uni.net.th)	China	CERNET (202.179.242.102)	TCP-Other	355.9	0.1
86	Korea (South)	KISTI (134.75.114.151)	Korea (South)	KISTI (134.75.106.3)	UDP-Other	351	0.1
87	Korea (South)	KAIST (sunho.kaist.ac.kr)	China	ctinets.com (210006128176.ctinets.com)	TCP-Other	349	0.1
88	Thailand	KU (158.108.213.15)	China	CERNET (202.179.242.102)	TCP-Other	341.1	0.1
89	Korea (South)	KISTI (134.75.114.140)	Korea (South)	KISTI (134.75.110.27)	TCP-Other	336.7	0.1
90	United States	NIH (130.14.29.30)	Korea (South)	SNU (147.47.214.210)	TCP-Other	335.4	0.1
91	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4606.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	326.5	0.1

92	Switzerland	CERN – European Lab for Particle Physics (lxfsrc5801.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	321.4	0.1
93	United States	mcs.anl.gov (milton.mcs.anl.gov)	United States	Multicast (224.2.224.14)	UDP-Other	320.6	0.1
94	Korea (South)	KAIST (ftp.kaist.ac.kr)	China	BFSU-CN (222.28.253.12)	TCP-Other	311.7	0.1
95	Switzerland	CERN – European Lab for Particle Physics (lxfsrc4608.cern.ch)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	310.1	0.1
96	Korea (South)	KISTI (134.75.114.142)	Korea (South)	KISTI (134.75.110.29)	UDP-Other	308.5	0.1
97	United States	Univ of Kentucky (pandora.vis.uky.edu)	China	Tsinghua Univ. (th042169.ip.tsinghua.edu.cn)	TCP-Other	306.3	0.1
98	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	SNU (pacific.snu.ac.kr)	TCP-Other	291.6	0.1
99	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	YONSEI (165.132.26.177)	TCP-Other	288.1	0.1
100	Korea (South)	KISTI (150.183.229.47)	China	China Educ/Rsrch Network (202.38.101.38)	UDP-Other	279.3	0.1
	Others		Others		*	253775.4	58.2
	Total					435782.8(2.9Mbps)	100

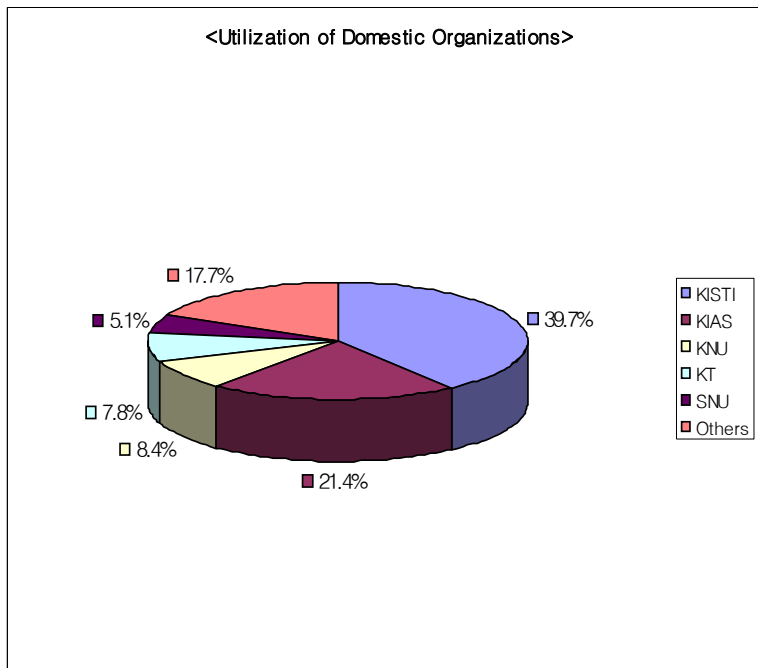
○ 국내 기관별 분류

<8월4주>



순위	기관명
1	KISTI
2	KNU
3	KT
4	KOREN
5	KRIBB
6	KAIST
7	SNU
8	YONSEI
9	GIST
10	KMA
11	CNU
12	POSTECH
13	APCC
14	ICU

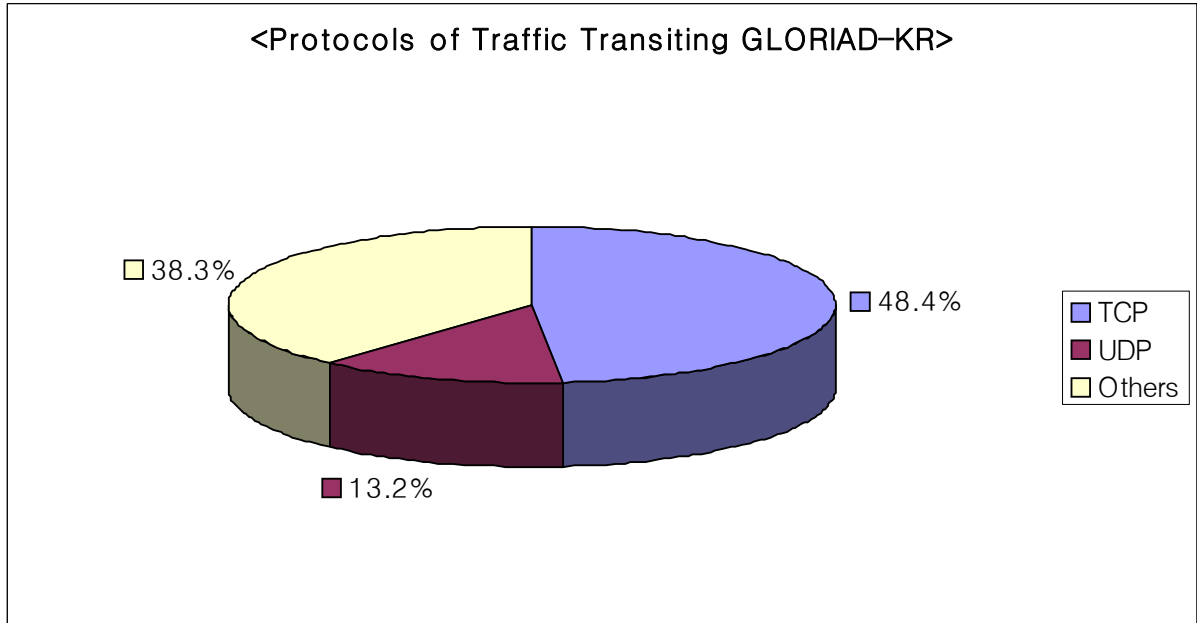
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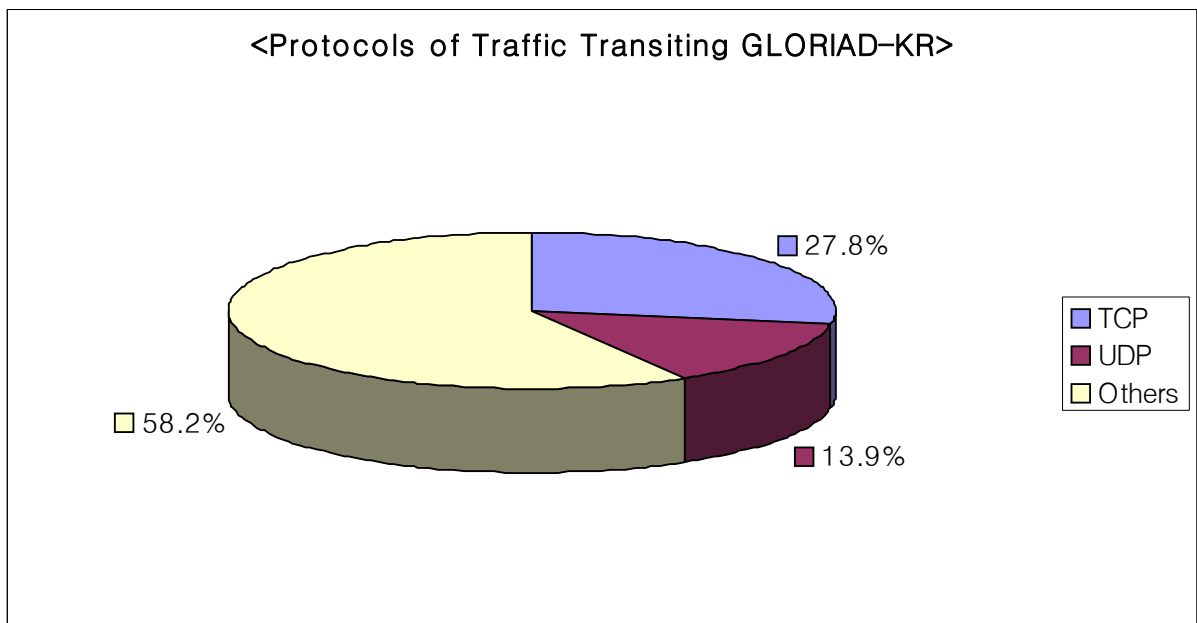
순위	기관명
1	KISTI
2	KIAS
3	KNU
4	KT
5	SNU
6	KAIST
7	KOREN
8	KRIBB
9	YONSEI
10	KMA
11	KORDI
12	POSTECH
13	APCC
14	PNU
15	GIST

○ 프로토콜별 분류

<8월4주>

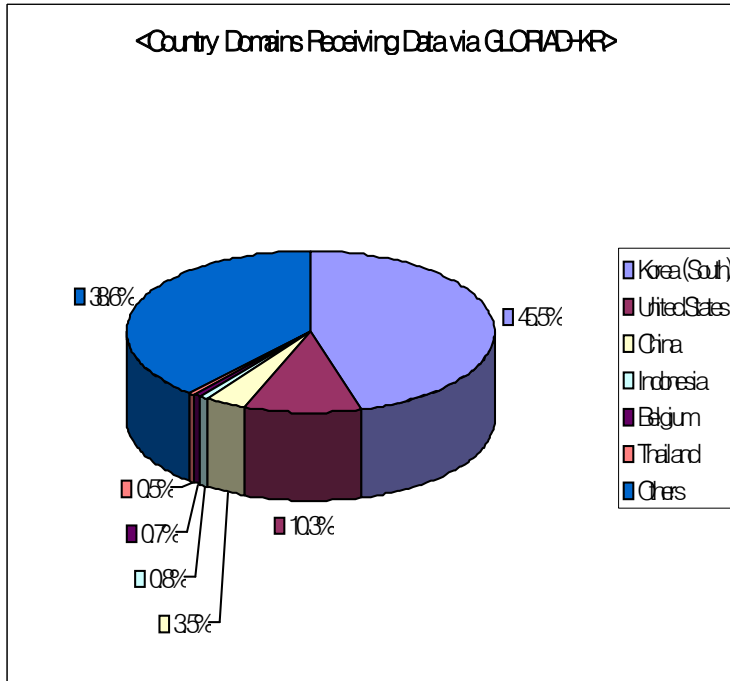


<9월2주>



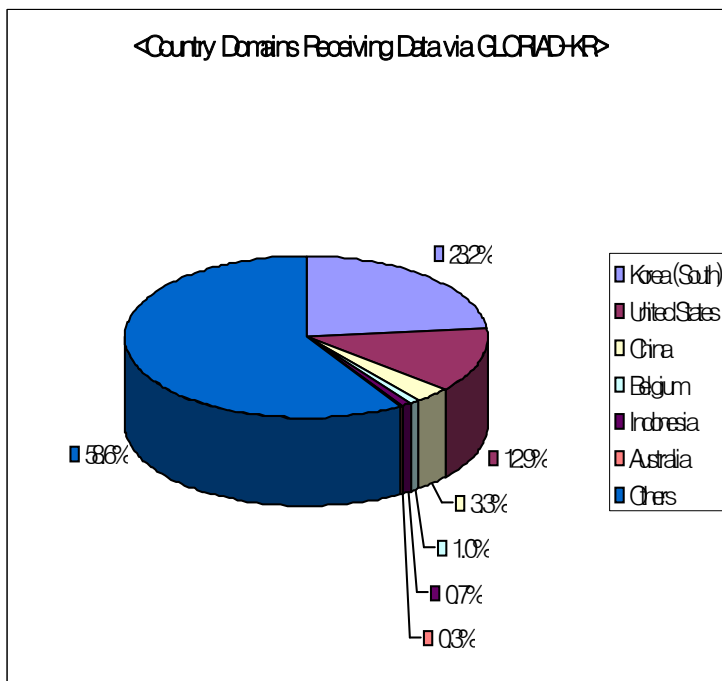
○ 국가별 분류 I (데이터 수신)

<8월4주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Indonesia
5	Belgium
6	Thailand
7	Austria
8	Italy

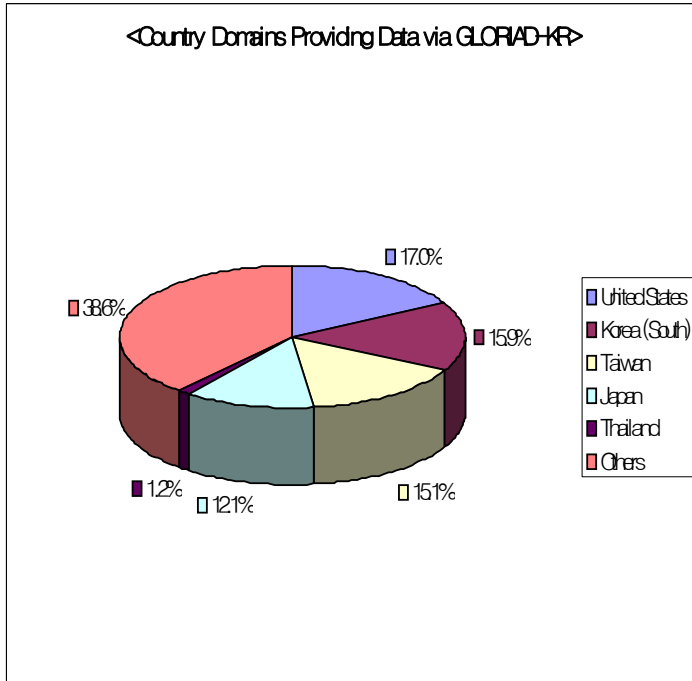
<9월2주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Belgium
5	Indonesia
6	Australia
7	Austria
8	Malaysia
9	Thailand

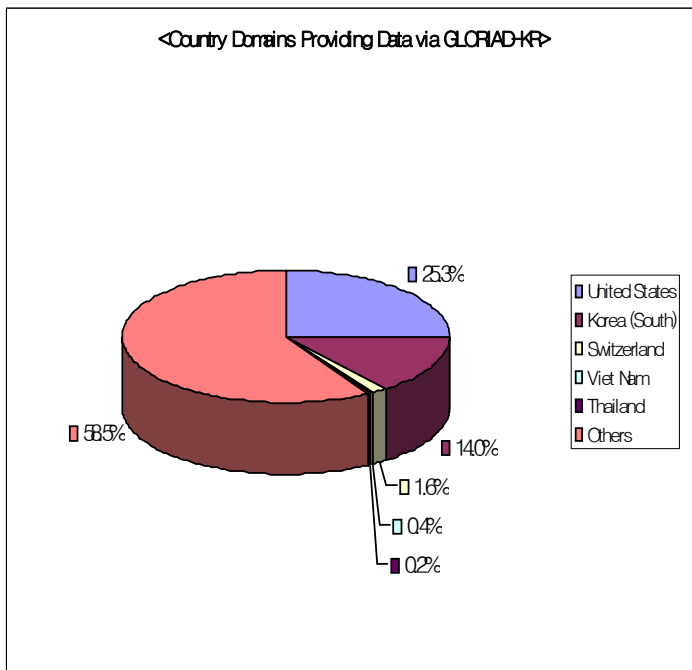
○ 국가별 분류 II (데이터 송신)

<8월4주>



순위	국가명
1	United States
2	Korea (South)
3	Taiwan
4	Japan
5	Thailand
6	Canada
7	Germany
8	Switzerland

<9월2주>



순위	국가명
1	United States
2	Korea (South)
3	Switzerland
4	Viet Nam
5	Thailand
6	Belgium
7	Taiwan

'07년 09월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 09월 07일 ~ 2007년 09월 21일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

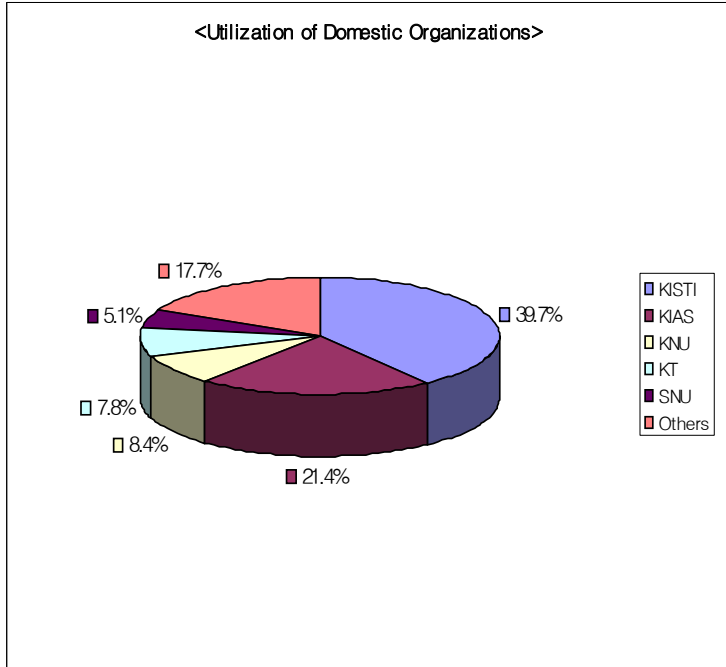
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	KT (203.255.252.193)	Korea (South)	KNU (cluster119.knu.ac.kr)	TCP-Other	19641.1	8.2
2	United States	LA State Univ (130.39.113.185)	United States	Multicast (226.1.1.1)	UDP-Other	7437.1	3.1
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	6615	2.8
4	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	5185	2.2
5	United States	mcs.anl.gov (milton.mcs.anl.gov)	Korea (South)	KOREN (61.252.60.35)	UDP-Other	4556.6	1.9
6	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	2126.1	0.9
7	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1947.2	0.8
8	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	1906	0.8
9	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	1900.2	0.8
10	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	1786.3	0.7
11	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	1642.6	0.7
12	United States	NIH (165.112.7.10)	Korea (South)	SNU (203.250.206.51)	TCP-Other	1615.2	0.7
13	Switzerland	CERN - European Lab for Particle Physics (lplus201.cern.ch)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	1614.8	0.7
14	United States	UCAR (ultrazone.ucar.edu)	China	CSTNET (210.73.54.24)	TCP-Other	1198.4	0.5
15	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)	TCP-Other	1075	0.4
16	United States	ENGR (iceage.engr.utk.edu)	China	SCUT (222.201.159.245)	TCP-Other	997.3	0.4
17	United States	ENGR (iceage.engr.utk.edu)	China	AIRE (166.111.42.83)	TCP-Other	949	0.4
18	United States	CGD (mineral.cgd.ucar.edu)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	938.7	0.4
19	United States	TRECC (trecc-video.trecc.org)	United States	Multicast (224.2.224.15)	UDP-Other	863	0.4
20	United States	Lawrence Livermore Natl Lab (esgset.llnl.gov)	Korea (South)	SNU (147.47.215.34)	TCP-Other	834	0.3
21	Viet Nam	vnu.edu.vn (130.199.132.196)	Korea (South)	SNU (josiah.snu.ac.kr)	TCP-Other	805.5	0.3
22	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (167.205.22.105)	TCP-Other	730.9	0.3
23	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	695.1	0.3
24	United States	mcs.anl.gov (milton.mcs.anl.gov)	United States	Multicast (224.2.224.15)	UDP-Other	683.4	0.3
25	United States	Duke Univ (newmirror.linux.duke.edu)	Korea (South)	KISTI (yellow.kreonet.re.kr)	TCP-Other	678.6	0.3
26	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (cache1.ltb.ac.id)	TCP-Other	636.9	0.3
27	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.111)	TCP-Other	631	0.3
28	United States	NCSA (voyage.ncsa.uiuc.edu)	United States	Multicast (224.2.224.15)	UDP-Other	572.8	0.2
29	Korea (South)	KISTI (150.183.229.47)	Korea (South)	KISTI (134.75.106.3)	UDP-Other	562.2	0.2
30	United States	NOAA (nomad5.ncep.noaa.gov)	Korea (South)	YONSEI (165.132.25.181)	TCP-Other	526.5	0.2
31	United States	NASA Goddard SFC (cddis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.123)	TCP-Other	509	0.2

32	United States	Fermi Natl Lab (nkchep9.fnal.gov)	Korea (South)	KNU (cms1.knu.ac.kr)	TCP-Other	490.9	0.2
33	Switzerland	CERN – European Lab for Particle Physics (lxplus203.cern.ch)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	482.6	0.2
34	United States	FSL (clank.fsl.noaa.gov)	Korea (South)	APCC (210.98.49.101)	TCP-Other	461.4	0.2
35	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	456.7	0.2
36	United States	NASA Goddard SFC (heasarc.gsfc.nasa.gov)	China	AIRE (166.111.26.5)	TCP-Other	455.2	0.2
37	United States	MCC (cms.mcc.uiuc.edu)	Korea (South)	KAERI (147.43.62.15)	TCP-Other	427.2	0.2
38	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	420.5	0.2
39	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	398.4	0.2
40	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	389.1	0.2
41	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Australia	Exchange Point Blocks (210.77.69.91)	TCP-Other	387.5	0.2
42	United States	UCB (sidads.colorado.edu)	China	ZPYFIC (210.72.26.32)	TCP-Other	378.5	0.2
43	Taiwan	Academia Sinica (c2fs005.grid.sinica.edu.tw)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	375.2	0.2
44	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	374	0.2
45	United States	NIH (130.14.29.30)	Korea (South)	KISTI (150.183.47.65)	TCP-Other	370.5	0.2
46	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	354	0.1
47	United States	LA State Univ (ag5.biology.lsu.edu)	United States	Multicast (224.2.224.15)	UDP-Other	347.9	0.1
48	United States	NASA (disc2.nascom.nasa.gov)	Korea (South)	YONSEI (165.132.27.236)	TCP-Other	344.2	0.1
49	Canada	PHYSICS (vnfe4.physics.ubc.ca)	Korea (South)	KISTI (150.183.234.231)	TCP-Other	317.3	0.1
50	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	299.1	0.1
51	United States	NIH (165.112.7.10)	Australia	Exchange Point Blocks (203.253.134.236)	TCP-Other	291.2	0.1
52	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	281.7	0.1
53	Korea (South)	KAIST (dor205148.kaist.ac.kr)	China	PCCW Limited (n219079163128.netvigator.com)	TCP-Other	281.6	0.1
54	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	281.1	0.1
55	Korea (South)	POSTECH (mangchi.postech.ac.kr)	Belgium	ucl.ac.be (felicity.dice.ucl.ac.be)	TCP-Other	279.9	0.1
56	Korea (South)	SNU (pbs.snu.ac.kr)	United States	Fermi Natl Lab (nkchep5.fnal.gov)	TCP-Other	278.9	0.1
57	United States	NASA Goddard SFC (cddis.gsfc.nasa.gov)	Korea (South)	KOREN (61.252.52.174)	TCP-Other	274.1	0.1
58	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	268.7	0.1
59	Korea (South)	KAIST (vivien.kaist.ac.kr)	United States	ee.nd.edu (fsk.ee.nd.edu)	TCP-Other	263.3	0.1
60	United States	NASA Engin for Complex Sys (n0dps01u.ecs.nasa.gov)	China	CSTNET (159.226.162.114)	TCP-Other	256.2	0.1
61	United States	LATECH (138.47.102.14)	United States	Multicast (224.2.224.15)	UDP-Other	253.9	0.1
62	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (147.47.211.153)	TCP-Other	249.4	0.1
63	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	SNU (147.47.215.177)	TCP-Other	249.1	0.1
64	United States	ENGR (esb2001capture.engr.ucsb.edu)	United States	Multicast (224.2.224.15)	UDP-Other	248	0.1
65	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	238.7	0.1
66	United States	NIH (130.14.29.30)	Korea (South)	ICU (v29-79.icu.ac.kr)	TCP-Other	237.8	0.1
67	United States	NOAA (ncepftp-ssmc.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	235.3	0.1
68	Korea (South)	POSTECH (yukon.postech.ac.kr)	United States	CAIDA (shaun.caida.org)	TCP-Other	228	0.1
69	Korea (South)	POSTECH (htsclab.postech.ac.kr)	United States	Indiana Univ (129.79.152.209)	TCP-Other	222.4	0.1
70	United States	Isumc.edu (155.58.113.6)	United States	Multicast (224.2.224.15)	UDP-Other	218.2	0.1
71	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster892.knu.ac.kr)	TCP-Other	210.9	0.1
72	United States	AS (ac2.as.arizona.edu)	Korea (South)	KAO (210.98.27.70)	TCP-Other	209.3	0.1
73	Korea (South)	SNU (147.46.170.120)	China	PCCW Limited (n219078172116.netvigator.com)	TCP-Other	205	0.1
74	Korea (South)	KNU (npl.knu.ac.kr)	Germany	Universitaet Nuernberg Erlangen (pi1160.physik.uni-erlangen.de)	TCP-Other	205	0.1
75	United States	mcs.anl.gov (milton.mcs.anl.gov)	United States	Multicast (224.2.224.14)	UDP-Other	200	0.1
76	United States	Rochester Inst of Tech (archer.rit.edu)	United States	Multicast (224.2.224.15)	UDP-Other	199.3	0.1
77	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	191.6	0.1
78	Korea (South)	APCC (210.98.49.251)	United States	Univ of Hawaii (apcc1.soest.hawaii.edu)	TCP-Other	189.4	0.1
79	United States	NIH (165.112.7.10)	Korea (South)	ICU (v29-79.icu.ac.kr)	TCP-Other	186.7	0.1
80	Korea (South)	KAIST (ftp.kaist.ac.kr)	United States	accenture.com (poffw1001.accenture.com)	TCP-Other	181.6	0.1
81	United States	LATECH (138.47.102.15)	United States	Multicast (224.2.224.15)	UDP-Other	181.2	0.1
82	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	175.5	0.1
83	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KMA (210.107.255.253)	TCP-Other	174.6	0.1
84	Australia	Exchange Point Blocks (164.125.25.111)	China	facultystaff.eku.edu (de3m8kbb1.facultystaff.eku.edu)	TCP-Other	170.9	0.1
85	United States	us.archive.org (ia300129.us.archive.org)	China	Tianjin Inst Sci &Tech Info (211.68.113.206)	TCP-Other	170.8	0.1
86	Korea (South)	POSTECH (htsclab.postech.ac.kr)	United States	Univ of Pennsylvania (dhcp0135.nic.resnet.group.upenn.edu)	TCP-Other	170.5	0.1

87	Korea (South)	KAIST (mash.kaist.ac.kr)	Poland	pw.edu.pl (zaczek.nat.student.pw.edu.pl)	TCP-Other	170.2	0.1
88	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	SNU (pacific.snu.ac.kr)	TCP-Other	166.8	0.1
89	United States	Univ of Cali-Santa Cruz (hgdownload.cse.ucsc.edu)	China	CSTNET (202.127.20.29)	TCP-Other	162.3	0.1
90	United States	Fermi Natl Lab (cmsstor31.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	151.9	0.1
91	United States	NIH (130.14.29.30)	China	NCNST (159.226.2.211)	TCP-Other	148.3	0.1
92	Korea (South)	KAIST (ftp.kaist.ac.kr)	Russia	Friends &Partners (not-a-legal-address)	TCP-Other	148.1	0.1
93	United States	Boston Univ (bays091-0801-dhcp114.bu.edu)	Korea (South)	SKKU (220.68.251.53)	TCP-Other	146.7	0.1
94	Korea (South)	KAIST (dor20495.kaist.ac.kr)	United States	resnet.rochester.edu (dynamic-addr-129-178.resnet.rochester.edu)	TCP-Other	145.5	0.1
95	United States	TRECC (trecc-users-dhcp-59.trecc.org)	United States	Multicast (224.2.224.15)	UDP-Other	139.2	0.1
96	Taiwan	twaren.net (ftp.twaren.net)	Korea (South)	165.in-addr.arpa (210.107.224.81)	TCP-Other	138	0.1
97	Korea (South)	KAIST (dbopirus.kaist.ac.kr)	Australia	TELSTRA (58.175.26.139)	TCP-Other	137.1	0.1
98	United States	Cleveland St Univ (csu-137-148-143-21.csuohio.edu)	Korea (South)	SNU (147.46.110.165)	TCP-Other	136.7	0.1
99	Korea (South)	KAIST (dbopirus.kaist.ac.kr)	United States	ng2.ohiou.edu (dhcp-064-247-121-135.ng2.ohiou.edu)	TCP-Other	135.2	0.1
100	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	SNU (147.46.20.179)	TCP-Other	134.7	0.1
	Others		Others		*	150528.5	62.7
	Total					240139.3 (1.6Mbps)	100

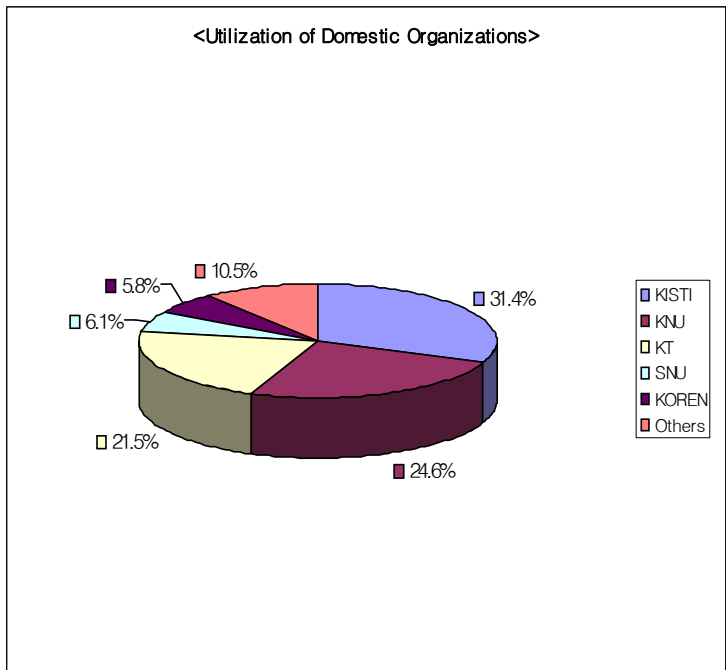
○ 국내 기관별 분류

<9월2주>



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1	KISTI
2	KIAS
3	KNU
4	KT
5	SNU
6	KAIST
7	KOREN
8	KRIBB
9	YONSEI
10	KMA
11	KORDI
12	POSTECH
13	APCC
14	PNU
15	GIST

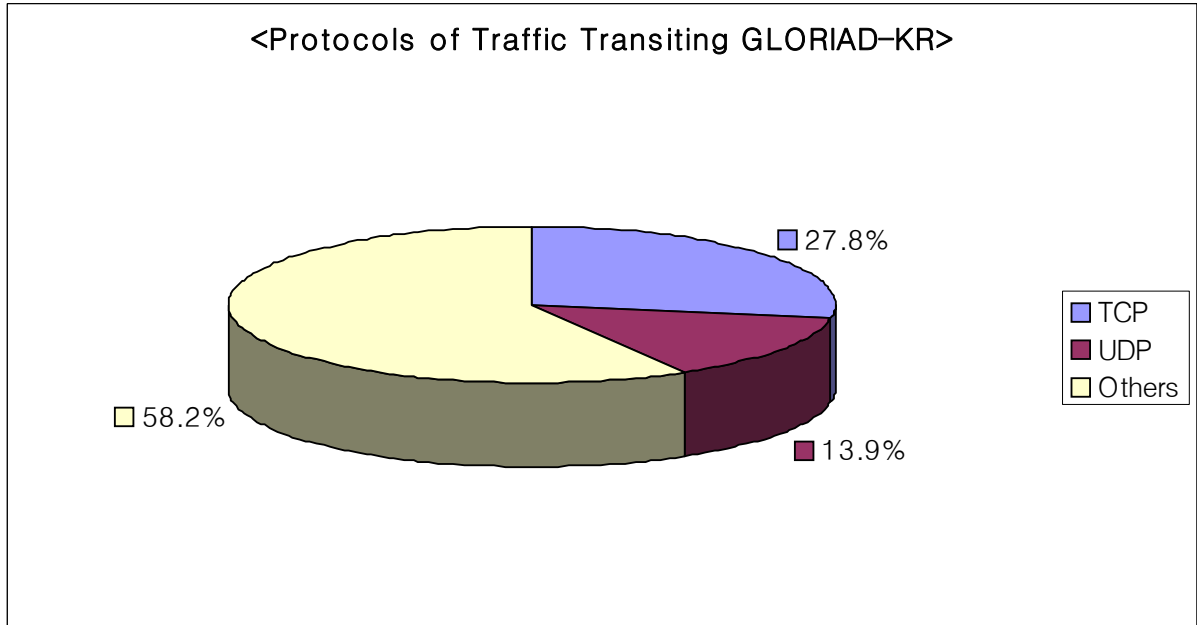
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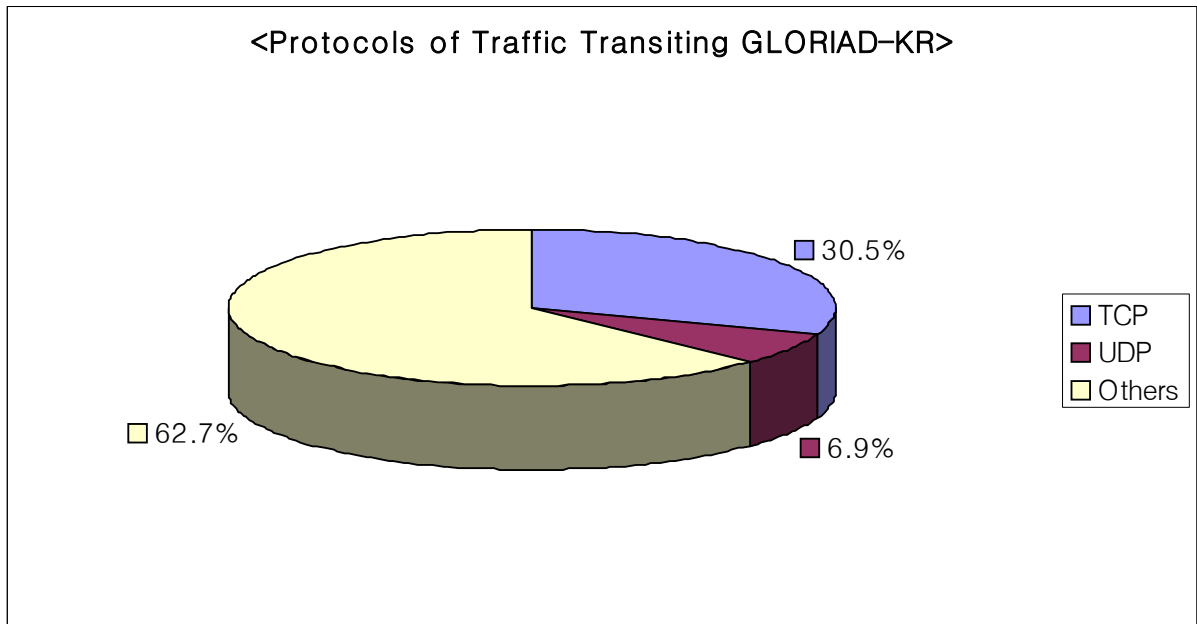
순위	기관명
1	KISTI
2	KNU
3	KT
4	SNU
5	KOREN
6	KAIST
7	KRIBB
8	POSTECH
9	YONSEI
10	KMA
11	KORDI
12	APCC
13	KAERI
14	ICU
15	KAO
16	SKKU

○ 프로토콜별 분류

<9월2주>

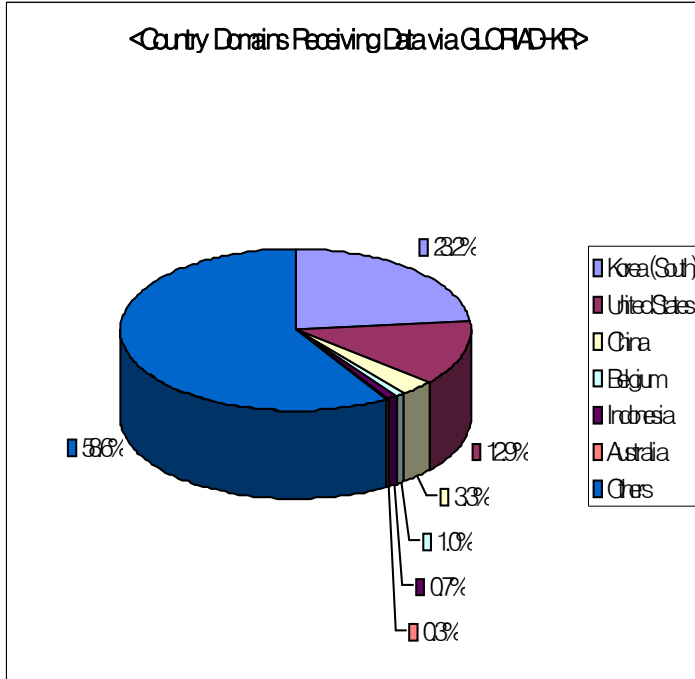


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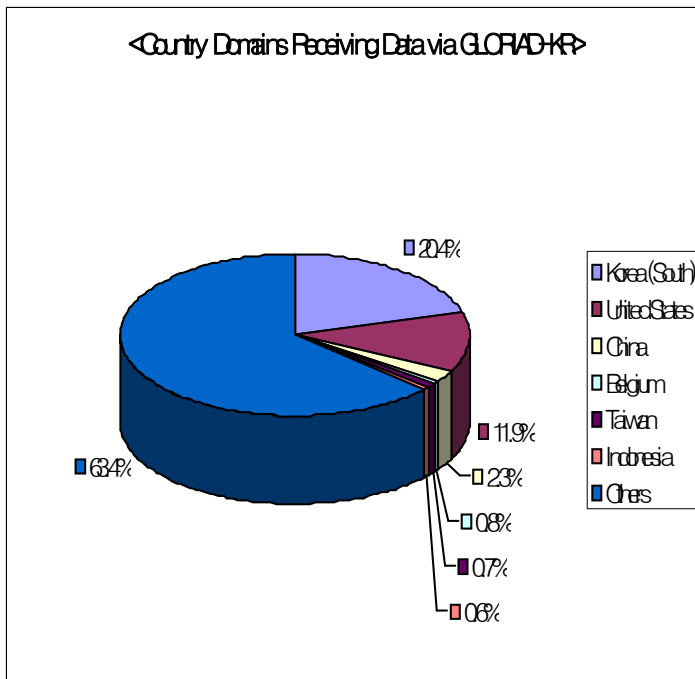
○ 국가별 분류 I (데이터 수신)

<9월2주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Belgium
5	Indonesia
6	Australia
7	Austria
8	Malaysia
9	Thailand

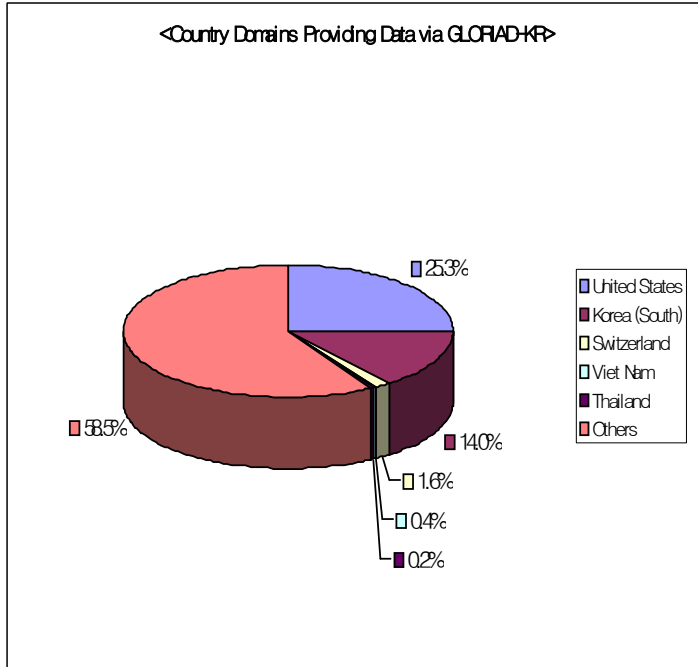
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순위	국가명
1	Korea (South)
2	United States
3	China
4	Belgium
5	Taiwan
6	Indonesia
7	Australia
8	Austria
9	Germany
10	Poland
11	Russia

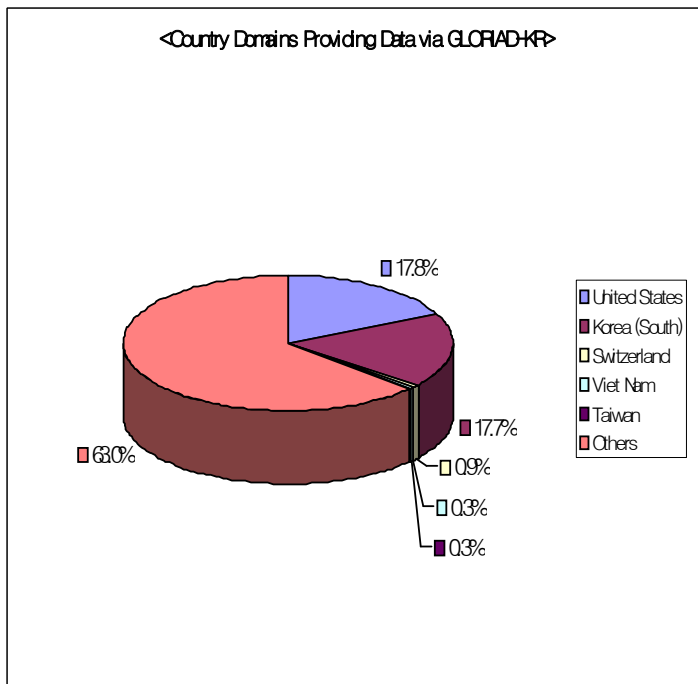
○ 국가별 분류 II (데이터 송신)

<9월2주>



순위	국가명
1	United States
2	Korea (South)
3	Switzerland
4	Viet Nam
5	Thailand
6	Belgium
7	Taiwan

<9월4주>



순위	국가명
1	United States
2	Korea (South)
3	Switzerland
4	Viet Nam
5	Taiwan
6	Canada
7	Belgium
8	Australia

'07년 10월2주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 10월 02일 ~ 2007년 10월 16일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

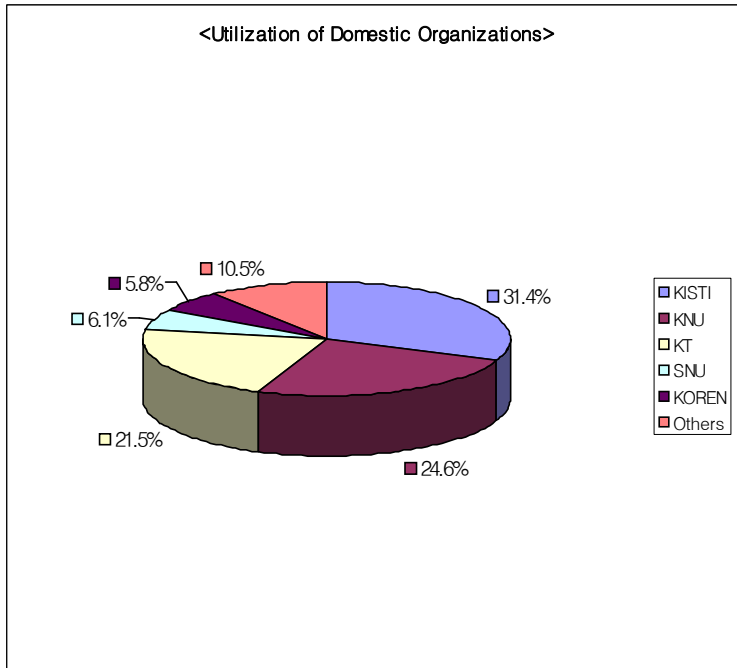
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	KISTI (134.75.85.152)	Korea (South)	KT (116.89.182.66)	TCP-Other	128274.6	11.1
2	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	14562	1.3
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	11091.1	1
4	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	9078.4	0.8
5	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	8398.8	0.7
6	Korea (South)	GIST (210.125.84.54)	Korea (South)	KISTI (134.75.21.80)	UDP-Other	8303.9	0.7
7	United States	NASA Engin for Complex Sys (e4ftl01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.26.177)	TCP-Other	8138.6	0.7
8	Korea (South)	KISTI (134.75.21.84)	Korea (South)	GIST (210.125.84.17)	UDP-Other	8135.5	0.7
9	United States	NASA Engin for Complex Sys (airspar1u.ecs.nasa.gov)	Korea (South)	SNU (middle6.snu.ac.kr)	TCP-Other	7141.9	0.6
10	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	6937.7	0.6
11	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	5701	0.5
12	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	5616.7	0.5
13	Korea (South)	KRIBB (210.218.222.129)	Thailand	NECTEC (203.185.133.181)	TCP-Other	5361.1	0.5
14	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	5352.6	0.5
15	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	5145.9	0.4
16	United States	NASA Engin for Complex Sys (e4ftl01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.26.184)	TCP-Other	4990	0.4
17	Germany	GridKa (f01-120-110-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	4973.9	0.4
18	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	4894.9	0.4
19	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	4784.6	0.4
20	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	4550	0.4
21	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	4530	0.4
22	United States	Fermi Natl Lab (cmsstor57.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	4519.4	0.4
23	United States	Indiana Univ (magpie.bio.indiana.edu)	China	Tsinghua Univ. (202.38.126.28)	TCP-Other	4415.8	0.4
24	Germany	GridKa (f01-120-110-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	4399.1	0.4
25	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	4358.3	0.4
26	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	4186.8	0.4
27	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	4158.7	0.4
28	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	4106.2	0.4

29	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	4022.2	0.3
30	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)	TCP-Other	3916.5	0.3
31	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)	TCP-Other	3892.2	0.3
32	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3863.4	0.3
33	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3801.4	0.3
34	United States	NASA Goddard SFC (heasarc.gsfc.nasa.gov)	China	AIRE (166.111.26.5)	TCP-Other	3762	0.3
35	Germany	GridKa (f01-120-116-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3700.7	0.3
36	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	3672.6	0.3
37	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3643.3	0.3
38	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.26.184)	TCP-Other	3610.1	0.3
39	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	3520.3	0.3
40	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3515.3	0.3
41	Germany	GridKa (f01-120-116-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3426.4	0.3
42	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.26.177)	TCP-Other	3371.7	0.3
43	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3282.9	0.3
44	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3266.3	0.3
45	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3253.8	0.3
46	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	3244	0.3
47	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3004.4	0.3
48	United States	NASA Engin for Complex Sys (e0dps01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.25.188)	TCP-Other	2844.5	0.2
49	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	2832.6	0.2
50	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	2756.3	0.2
51	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	2701.7	0.2
52	United States	Fermi Natl Lab (cmsstor33.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	2658	0.2
53	United States	Penn State (carroll.aset.psu.edu)	China	China Educ/Rsrch Network (202.38.97.230)	TCP-Other	2655.8	0.2
54	Korea (South)	GIST (210.125.84.24)	United States	Multicast (224.2.224.15)	UDP-Other	2567.6	0.2
55	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	APCC (210.98.49.103)	TCP-Other	2479	0.2
56	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	2384.6	0.2
57	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	APCC (210.98.49.102)	TCP-Other	2197.9	0.2
58	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	2049.6	0.2
59	Germany	GridKa (f01-110-108-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2046.3	0.2
60	United States	NASA Engin for Complex Sys (e4ftf01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.25.188)	TCP-Other	2031.1	0.2
61	Germany	GridKa (f01-120-110-e.gridka.de)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	2019	0.2
62	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1900.2	0.2
63	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	1869.4	0.2
64	United States	Fermi Natl Lab (cmsstor28.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1847.7	0.2
65	United States	Fermi Natl Lab (cmsstor23.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1844.4	0.2
66	United States	NASA (charm.larc.nasa.gov)	China	LZU (210.26.50.200)	TCP-Other	1824.1	0.2
67	United States	Fermi Natl Lab (d0srv063.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	1812.6	0.2
68	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	1785.2	0.2
69	China	China Educ/Rsrch Network (202.38.97.66)	China	DRAGONLAB (203.91.120.158)	TCP-Other	1780.4	0.2
70	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4603.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1768.9	0.2
71	United States	Fermi Natl Lab (cmsstor101.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1742.5	0.2
72	Korea (South)	KAIST (ftp.kaist.ac.kr)	Taiwan	rev.dyxnet.com (static-ip-139-73-134-202.rev.dyxnet.com)	TCP-Other	1704.7	0.1
73	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4607.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1690.8	0.1
74	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4608.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1687	0.1
75	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	1682.5	0.1
76	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1682.3	0.1
77	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	1658.5	0.1
78	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	1656.3	0.1
79	United States	NASA (ladsweb.nascom.nasa.gov)	Korea (South)	SNU (cyclone.snu.ac.kr)	TCP-Other	1656.3	0.1
80	United States	Fermi Natl Lab (cmsstor107.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1650.1	0.1
81	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1649.3	0.1
82	United States	gfdl.noaa.gov (ftp.gfdl.noaa.gov)	Korea (South)	SNU (cps.snu.ac.kr)	TCP-Other	1643.2	0.1
83	Korea (South)	SNU (147.46.224.92)	United States	Penn State (128.118.21.208)	TCP-Other	1641.3	0.1
84	United States	Fermi Natl Lab (cmsstor105.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1640.1	0.1
85	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1611.5	0.1
86	Germany	GridKa (f01-120-109-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	1599.3	0.1
87	Switzerland	CERN - European Lab for Particle Physics (lxfsrc4606.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1598.1	0.1

88	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1591.4	0.1
89	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	1583.9	0.1
90	Switzerland	CERN - European Lab for Particle Physics (lxfra1801.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1583.4	0.1
91	United States	Fermi Natl Lab (cmsstor32.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1575	0.1
92	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	TCP-Other	1574.4	0.1
93	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1566.7	0.1
94	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1563.7	0.1
95	Switzerland	CERN - European Lab for Particle Physics (lxfsc4602.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1558.5	0.1
96	Germany	GridKa (f01-120-109-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1543.7	0.1
97	Switzerland	CERN - European Lab for Particle Physics (lxfra1808.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1543.2	0.1
98	United States	Fermi Natl Lab (cmsstor103.fnal.gov)	China	IHEP-CN (cmsse01.ihep.ac.cn)	TCP-Other	1528.1	0.1
99	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1523.3	0.1
100	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)	TCP-Other	1506.5	0.1
	Others		Others		*	692234.7	59.9
	Total					1155204.1 (7.6Mbps)	100

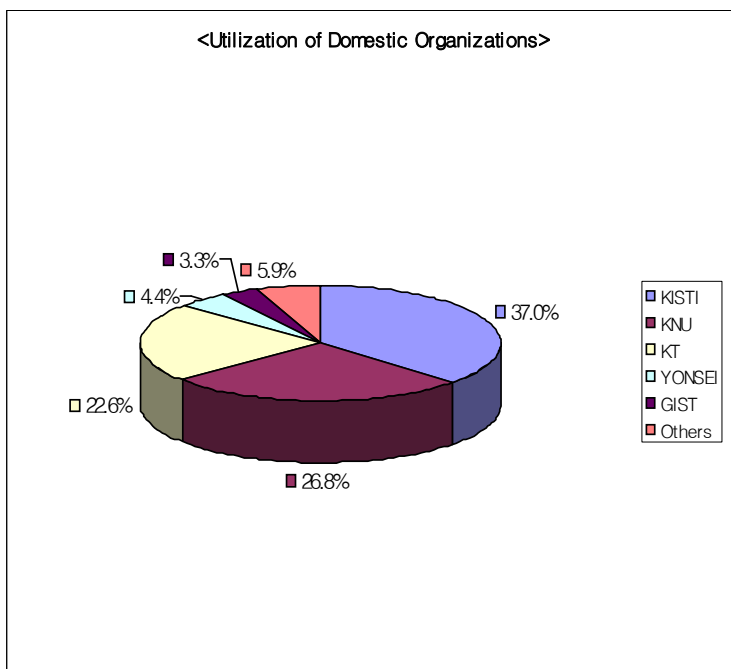
○ 국내 기관별 분류

<9월4주>



순위	기관명
1	KISTI
2	KNU
3	KT
4	SNU
5	KOREN
6	KAIST
7	KRIBB
8	POSTECH
9	YONSEI
10	KMA
11	KORDI
12	APCC
13	KAERI
14	ICU
15	KAO
16	SKKU

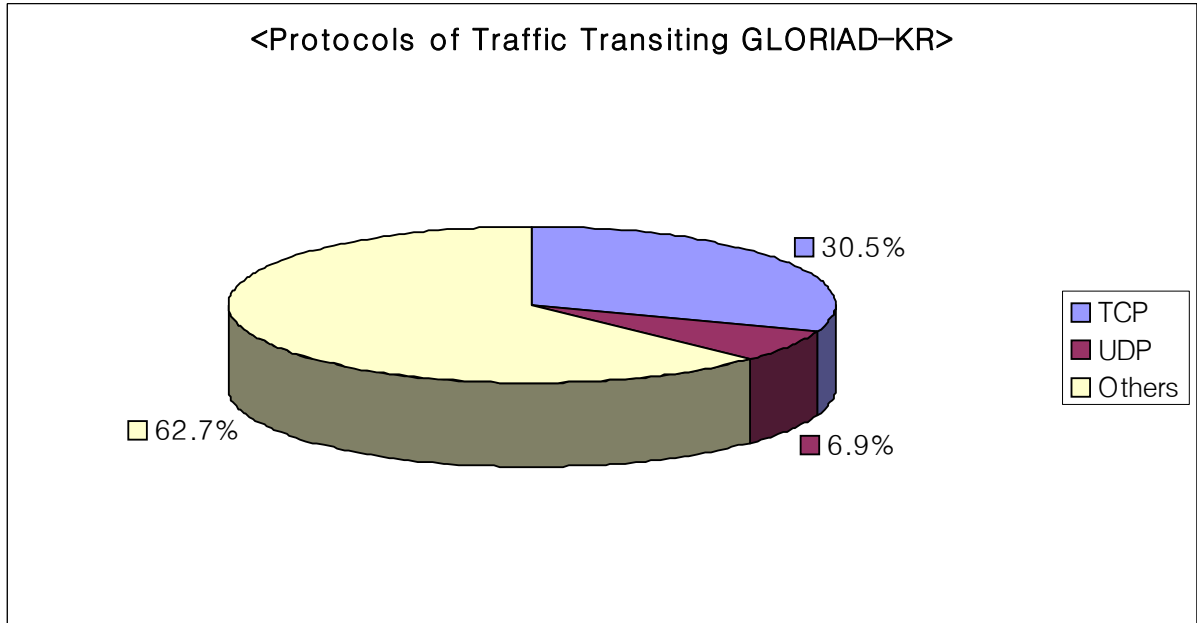
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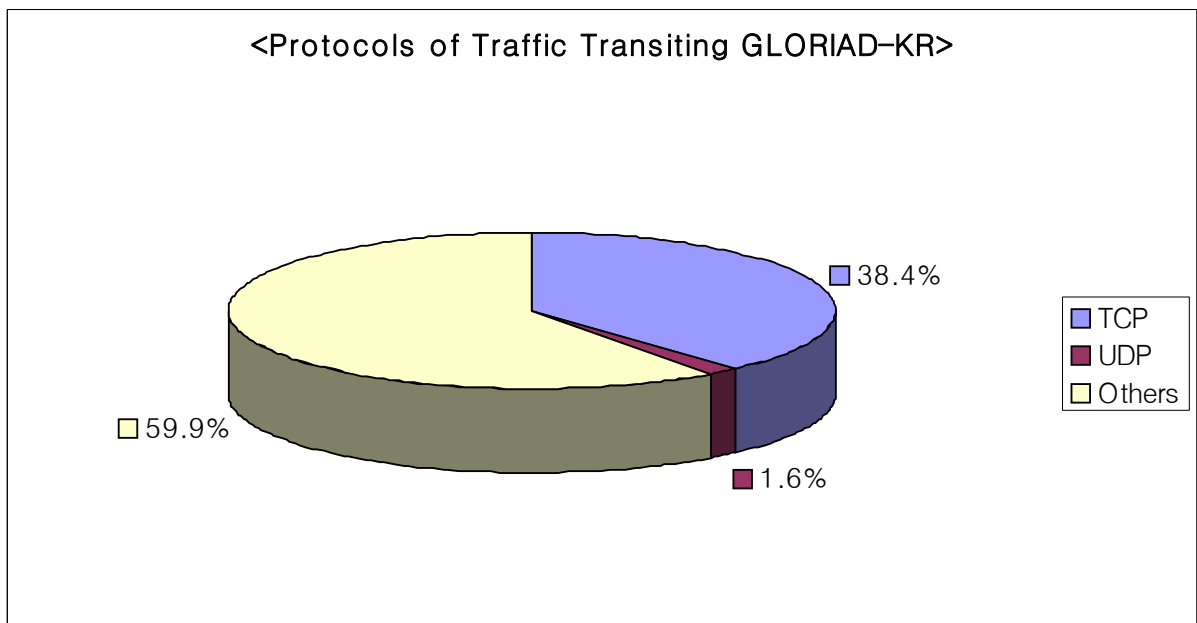
순위	기관명
1	KISTI
2	KNU
3	KT
4	YONSEI
5	GIST
6	KRIBB
7	SNU
8	APCC
9	KAIST

○ 프로토콜별 분류

<9월4주>

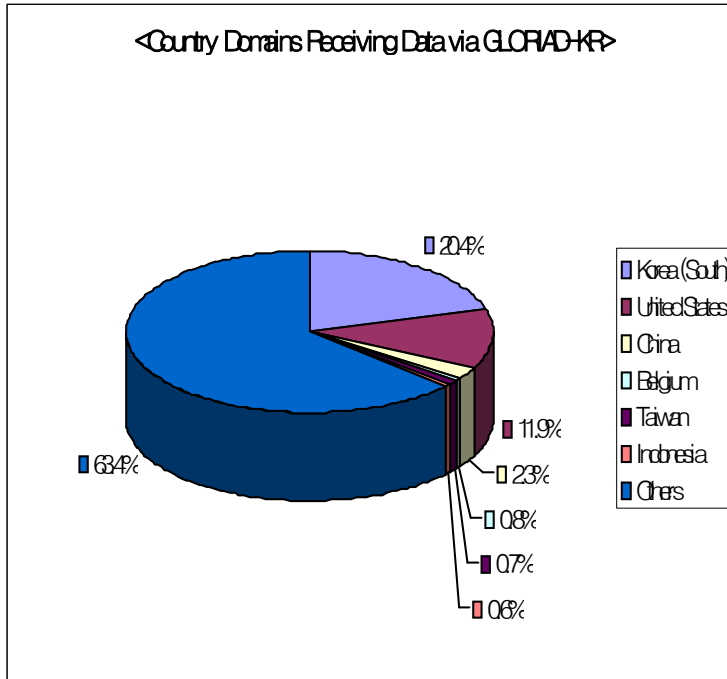


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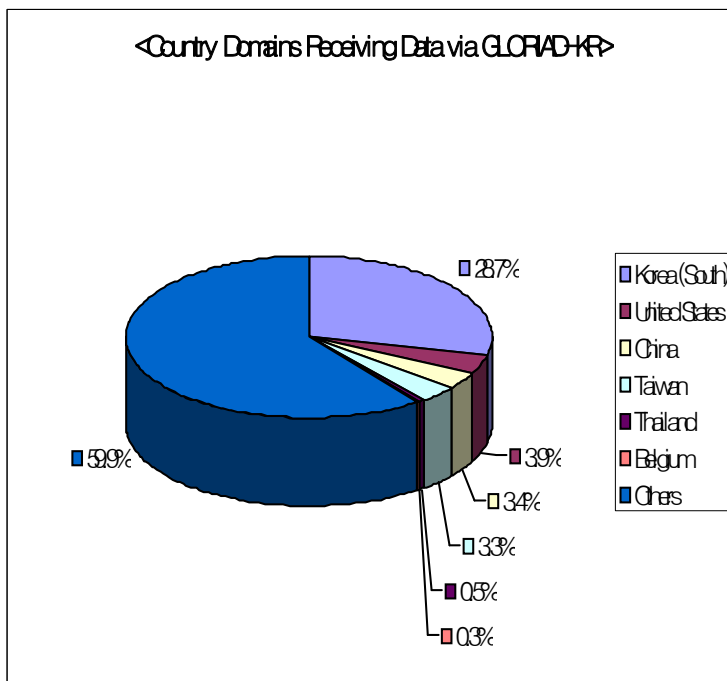
○ 국가별 분류 I (데이터 수신)

<9월4주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Belgium
5	Taiwan
6	Indonesia
7	Australia
8	Austria
9	Germany
10	Poland
11	Russia

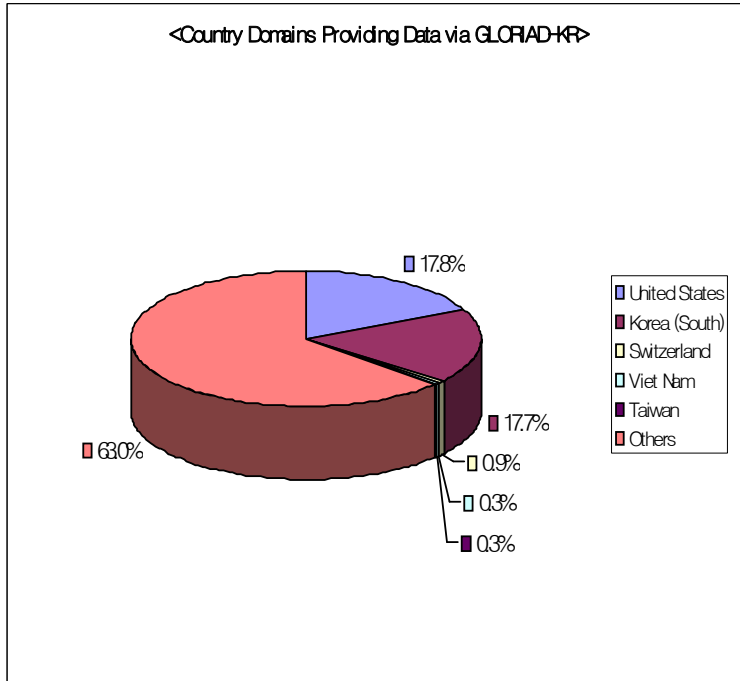
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순위	국가명
1	Korea (South)
2	United States
3	China
4	Taiwan
5	Thailand
6	Belgium

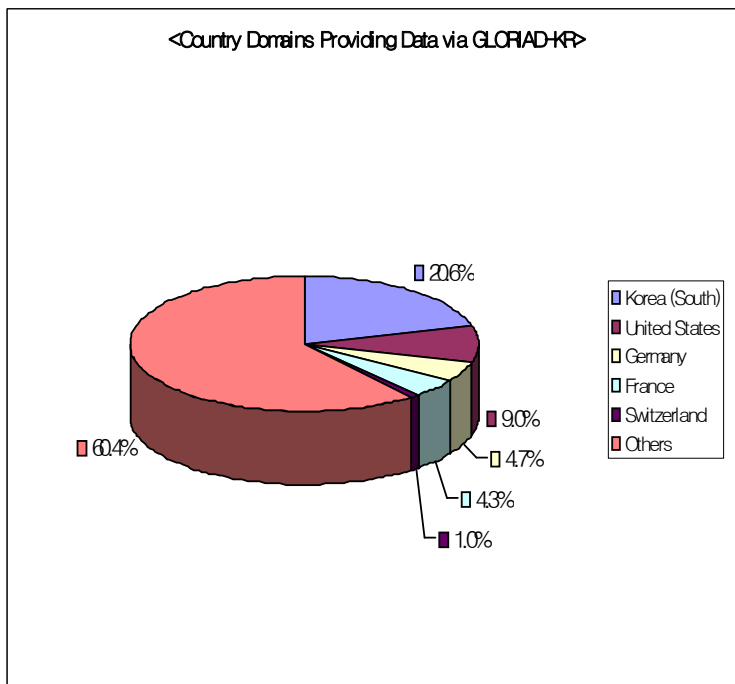
○ 국가별 분류 II (데이터 송신)

<9월4주>



순위	국가명
1	United States
2	Korea (South)
3	Switzerland
4	Viet Nam
5	Taiwan
6	Canada
7	Belgium
8	Australia

<10월2주>



순위	국가명
1	Korea (South)
2	United States
3	Germany
4	France
5	Switzerland
6	Belgium
7	China

'07년 10월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 10월 16일 ~ 2007년 10월 30일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

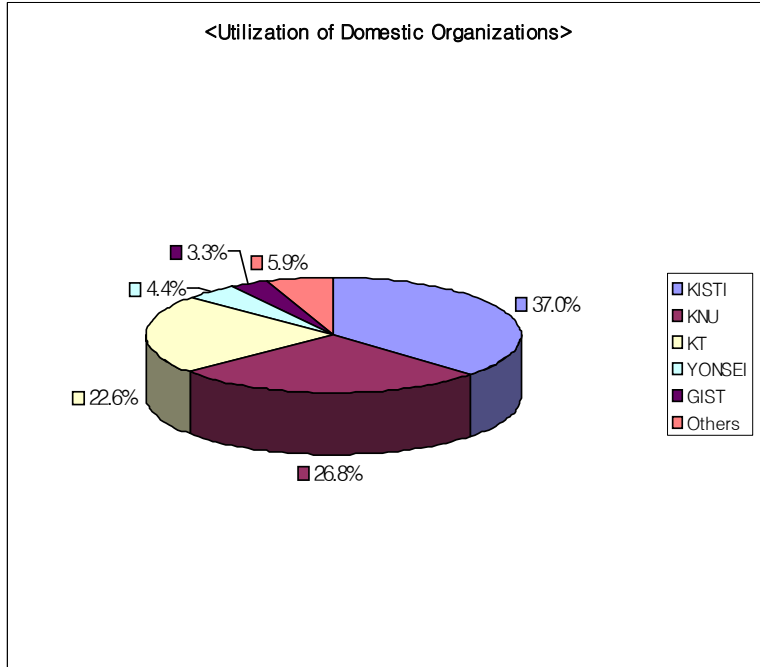
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	GIST (210.125.84.54)	Korea (South)	KISTI (134.75.21.80)	UDP-Other	22147.4	2.1
2	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	13884.1	1.3
3	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	10597.9	1
4	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	10387.8	1
5	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	10351.7	1
6	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	9219.4	0.9
7	Korea (South)	KISTI (134.75.21.81)	Korea (South)	GIST (210.125.84.18)	UDP-Other	8896.7	0.9
8	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	8835.6	0.8
9	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	8449.6	0.8
10	Korea (South)	KISTI (134.75.110.11)	Korea (South)	KISTI (134.75.114.132)	TCP-Other	6884.4	0.7
11	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	APCC (210.98.49.102)	TCP-Other	6354.6	0.6
12	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	6339.1	0.6
13	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	6320.6	0.6
14	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	APCC (210.98.49.103)	TCP-Other	6314.8	0.6
15	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	5506	0.5
16	Korea (South)	KISTI (134.75.21.84)	Korea (South)	KISTI (210.125.85.17)	UDP-Other	5444.5	0.5
17	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	4728.1	0.5
18	Korea (South)	POSTECH (141.223.207.243)	United States	CS (anecdotos.cs.purdue.edu)	TCP-Other	4691.6	0.4
19	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	4684.4	0.4
20	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	4548.4	0.4
21	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	4228.1	0.4
22	Korea (South)	KISTI (134.75.85.152)	China	DRAGONLAB (203.91.120.143)	TCP-Other	4102.5	0.4

23	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs014.grid.sinica.edu.tw)	TCP-Other	3998.3	0.4
24	Korea (South)	POSTECH (ngmon-rmon1.postech.ac.kr)	United States	Purdue Univ (grigora.cs.purdue.edu)	TCP-Other	3965.3	0.4
25	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.beinet.be)	TCP-Other	3869.8	0.4
26	Korea (South)	KISTI (134.75.21.80)	China	China Educ/Rsrch Network (210.25.189.125)	UDP-Other	3843.9	0.4
27	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs015.grid.sinica.edu.tw)	TCP-Other	3649.5	0.3
28	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	3592.1	0.3
29	Korea (South)	KISTI (134.75.21.81)	Korea (South)	GIST (210.125.84.17)	UDP-Other	3524.1	0.3
30	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia Sinica (c2fs006.grid.sinica.edu.tw)	TCP-Other	3517.3	0.3
31	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	3516.9	0.3
32	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	3422.1	0.3
33	United States	CS (sambuddho3.cs.columbia.edu)	Canada	planet-lab.org (219.243.201.93)	TCP-Other	3346	0.3
34	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	3290.1	0.3
35	United States	NIH (130.14.29.30)	China	Tsinghua Univ. (202.38.126.28)	TCP-Other	3228.8	0.3
36	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	3125.3	0.3
37	Korea (South)	POSTECH (141.223.207.243)	United States	Purdue Univ (grigora.cs.purdue.edu)	TCP-Other	3061.9	0.3
38	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	3055	0.3
39	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	3054.8	0.3
40	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2960.1	0.3
41	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	2957.2	0.3
42	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2798	0.3
43	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2793.1	0.3
44	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2762	0.3
45	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2671.1	0.3
46	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2619.2	0.3
47	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2613.8	0.2
48	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	2575.5	0.2
49	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2508.5	0.2
50	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2443.1	0.2
51	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2419.7	0.2
52	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	2275.7	0.2
53	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2213.2	0.2
54	United States	LA State Univ (130.39.113.185)	United States	Multicast (226.1.1.1)	UDP-Other	2193.4	0.2
55	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	2179.1	0.2
56	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	2171.7	0.2
57	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2154.6	0.2
58	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	2114.6	0.2
59	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)	TCP-Other	2108.5	0.2
60	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2093.6	0.2
61	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2052.5	0.2
62	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	2018.8	0.2
63	United States	Fermi Natl Lab (d0rsam01.fnal.gov)	China	ustc.edu.cn (d0ustc.ustc.edu.cn)	TCP-Other	1999.5	0.2
64	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1995.6	0.2
65	France	Centre de Calcul de IIN2P3	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1903.1	0.2

		(ccxfer09.in2p3.fr)					
66	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	1886.5	0.2
67	United States	Indiana Univ (maggie.bio.indiana.edu)	China	Tshinghua Univ. (202.38.126.28)	TCP-Other	1821	0.2
68	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	1788.1	0.2
69	Switzerland	CERN – European Lab for Particle Physics (lxfra2005.cern.ch)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1732.8	0.2
70	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	1717.8	0.2
71	United States	NIH (165.112.7.10)	China	CSTNET (159.226.2.214)	TCP-Other	1675.6	0.2
72	Korea (South)	KISTI (134.75.21.80)	Korea (South)	GIST (210.125.84.17)	UDP-Other	1659.7	0.2
73	Taiwan	Academia Sinica (c2fs007.grid.sinica.edu.tw)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1641.7	0.2
74	Germany	GridKa (f01-120-116-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1626.5	0.2
75	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1586.2	0.2
76	Germany	GridKa (f01-120-109-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	1585.9	0.2
77	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1578.1	0.2
78	Korea (South)	KRIBB (210.218.222.129)	Thailand	NECTEC (203.185.133.181)	TCP-Other	1577.5	0.2
79	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1568.6	0.2
80	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1568	0.1
81	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1567.6	0.1
82	Korea (South)	KNU (cluster146.knu.ac.kr)	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	TCP-Other	1543.1	0.1
83	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1516.9	0.1
84	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.169)	TCP-Other	1506.2	0.1
85	Taiwan	Academia Sinica (c2fs013.grid.sinica.edu.tw)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1488.1	0.1
86	Viet Nam	vnu.edu.vn (130.199.132.196)	Korea (South)	SNU (josiah.snu.ac.kr)	TCP-Other	1473.1	0.1
87	United States	MCNC-NCREN (elk.ncren.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)	TCP-Other	1462.4	0.1
88	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1456.1	0.1
89	United States	Natl Inst of Standards and Tech (vqeg.its.bldrdoc.gov)	Korea (South)	KAIST (143.248.158.30)	TCP-Other	1454	0.1
90	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Austria	Univ. Salzburg (octopus.cosy.sbg.ac.at)	TCP-Other	1445.3	0.1
91	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1443.4	0.1
92	Germany	GridKa (f01-120-116-e.gridka.de)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	1431.6	0.1
93	Germany	GridKa (f01-120-117-e.gridka.de)	Korea (South)	KNU (cluster134.knu.ac.kr)	TCP-Other	1426.2	0.1
94	Germany	GridKa (f01-120-118-e.gridka.de)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	1414	0.1
95	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	TCP-Other	1392.6	0.1
96	Taiwan	Academia Sinica (c2fs012.grid.sinica.edu.tw)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1385.9	0.1
97	Germany	GridKa (f01-120-115-e.gridka.de)	Korea (South)	KNU (cluster116.knu.ac.kr)	TCP-Other	1366.3	0.1
98	China	China Educ/Rsrch Network (210.25.189.125)	Korea (South)	KISTI (134.75.21.90)	UDP-Other	1363.2	0.1
99	United States	NOAA (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)	TCP-Other	1348.8	0.1
100	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia Sinica (c2fs008.grid.sinica.edu.tw)	TCP-Other	1341	0.1
	Others		Others		*	698294.5	66.8
	Total					1045707.9 (6.9Mbps)	100

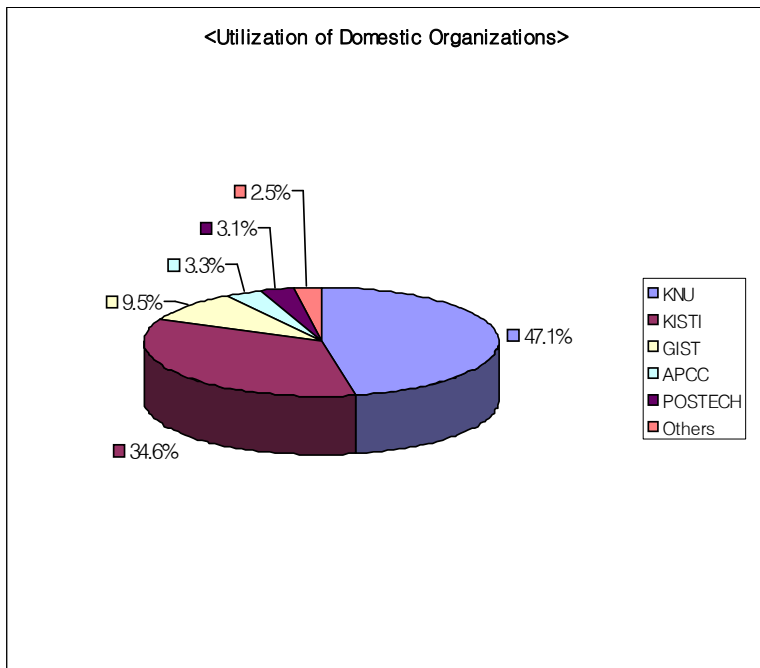
○ 국내 기관별 분류

<10월2주>



순위	기관명
1	KISTI
2	KNU
3	KT
4	YONSEI
5	GIST
6	KRIBB
7	SNU
8	APCC
9	KAIST

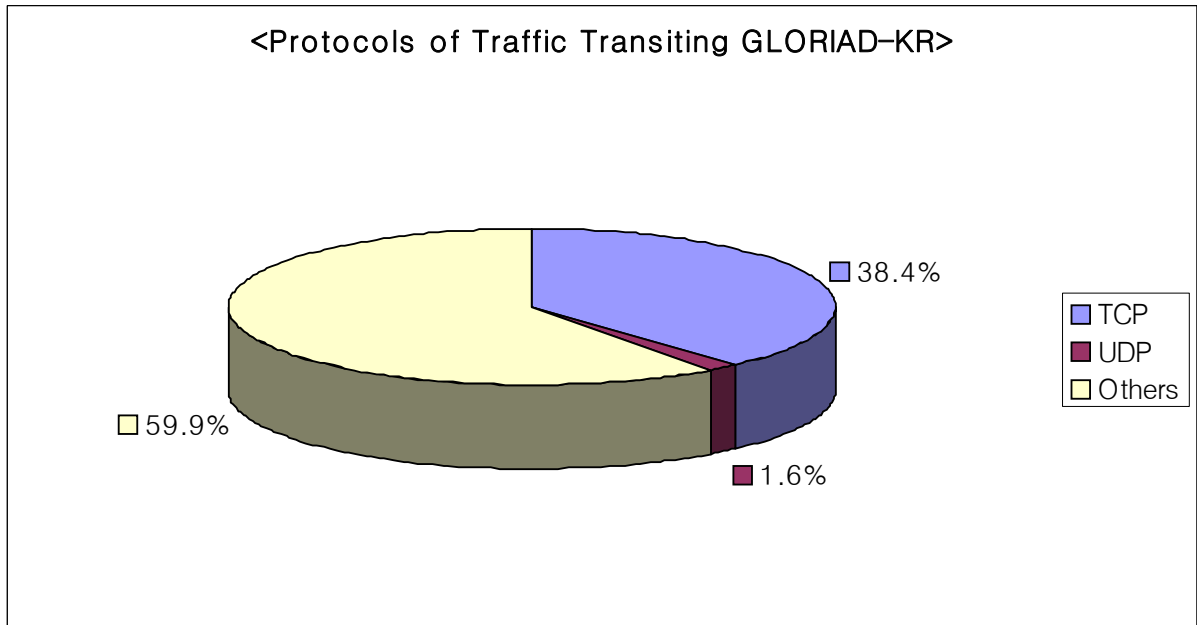
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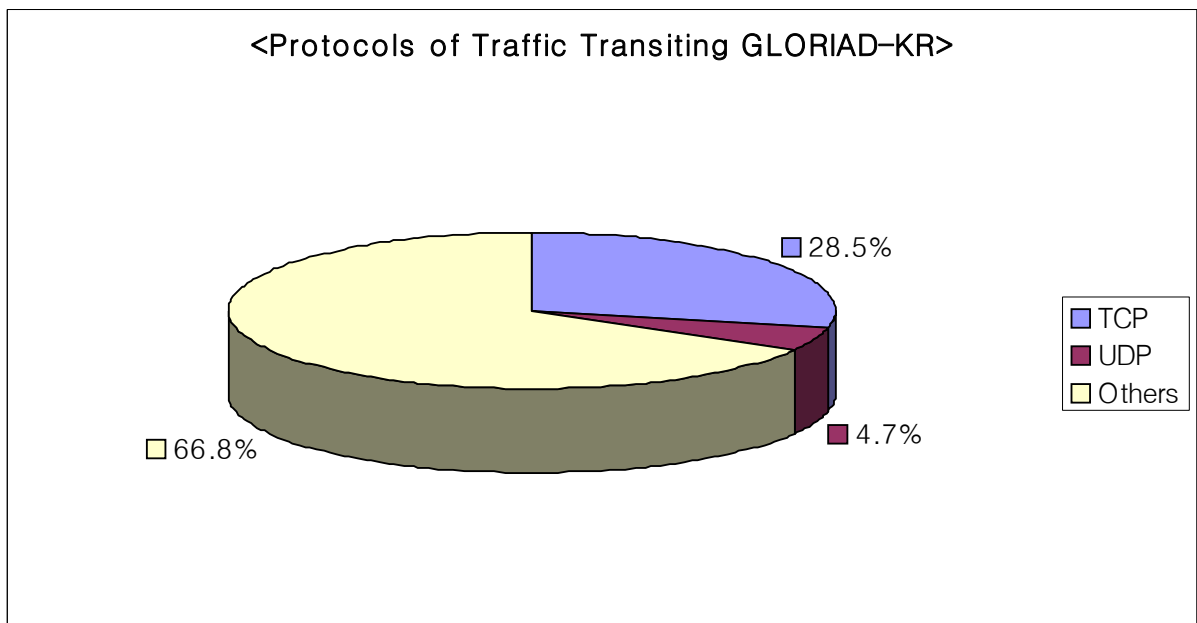
순위	기관명
1	KNU
2	KISTI
3	GIST
4	APCC
5	POSTECH
6	KRIBB
7	KAIST
8	KORDI
9	SNU

○ 프로토콜별 분류

<10월2주>

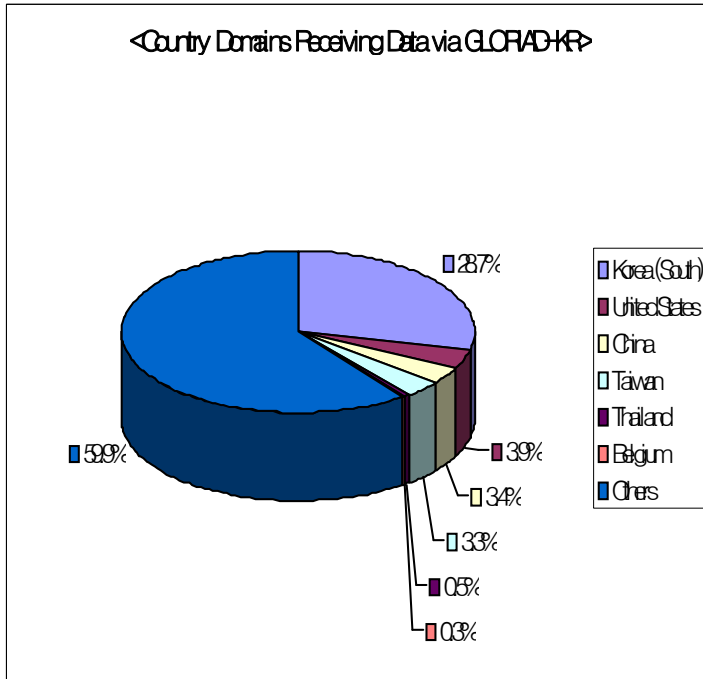


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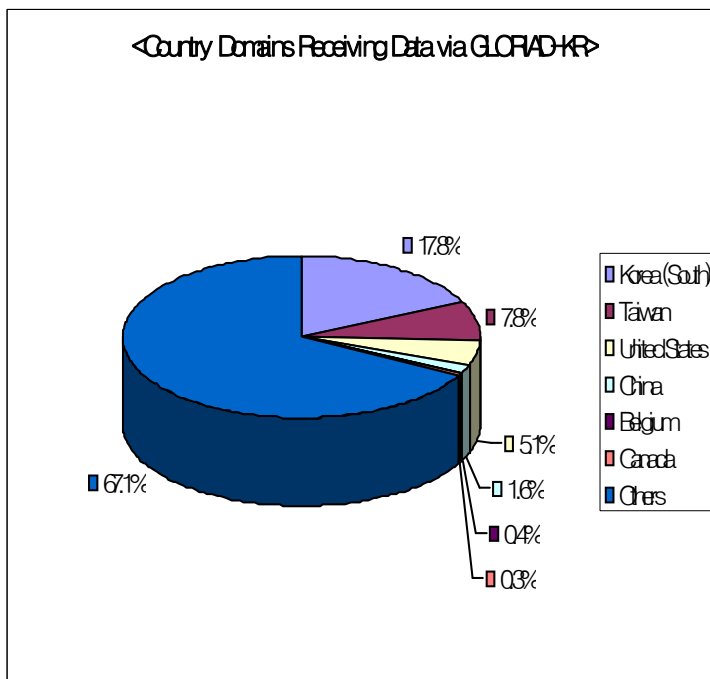
○ 국가별 분류 I (데이터 수신)

<10월2주>



순위	국가명
1	Korea (South)
2	United States
3	China
4	Taiwan
5	Thailand
6	Belgium

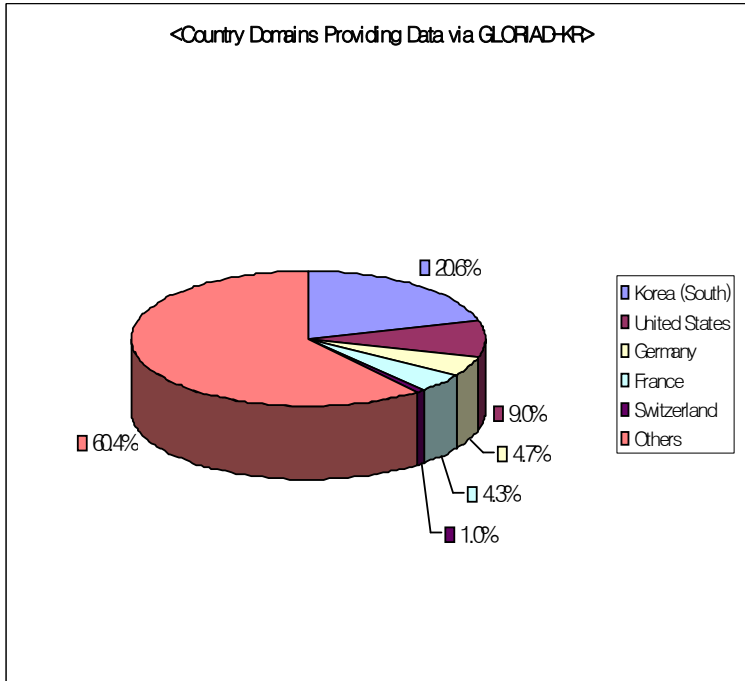
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순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	China
5	Belgium
6	Canada
7	Thailand
8	Austria

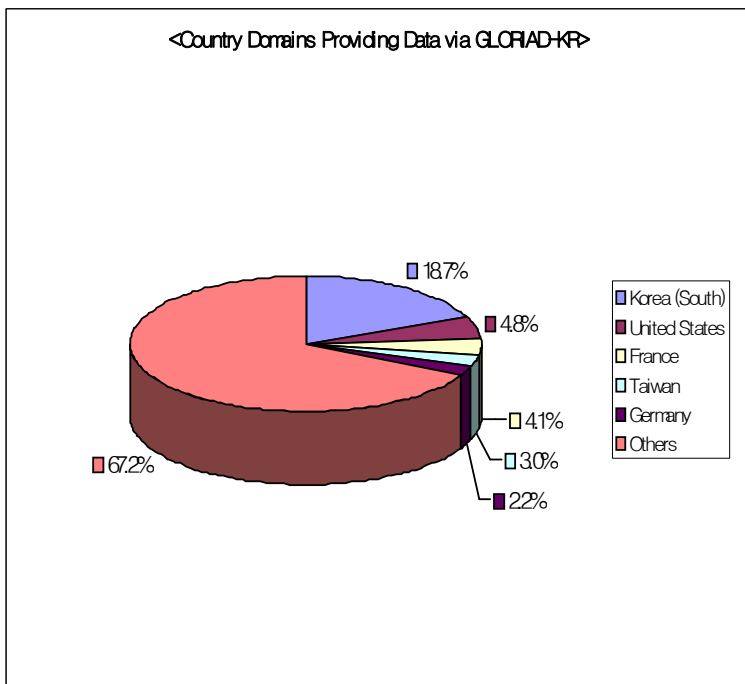
○ 국가별 분류 II (데이터 송신)

<10월2주>



순위	국가명
1	Korea (South)
2	United States
3	Germany
4	France
5	Switzerland
6	Belgium
7	China

<10월4주>



순위	국가명
1	Korea (South)
2	United States
3	France
4	Taiwan
5	Germany
6	Switzerland
7	Viet Nam
8	China

'07년 11월4주 GLORIAD-KR 모니터링 보고서

연구망개발팀 이길재(0637, giljael@kisti.re.kr)
GMON-KR Homepage : <http://150.183.236.101:8888/>

기간

○ 2007년 11월 13일 ~ 2007년 11월 27일 (2주간)

Sampling Rate

○ 1/500 packet based

GLORIAD-KR 트래픽 분석

○ Top 100 Users

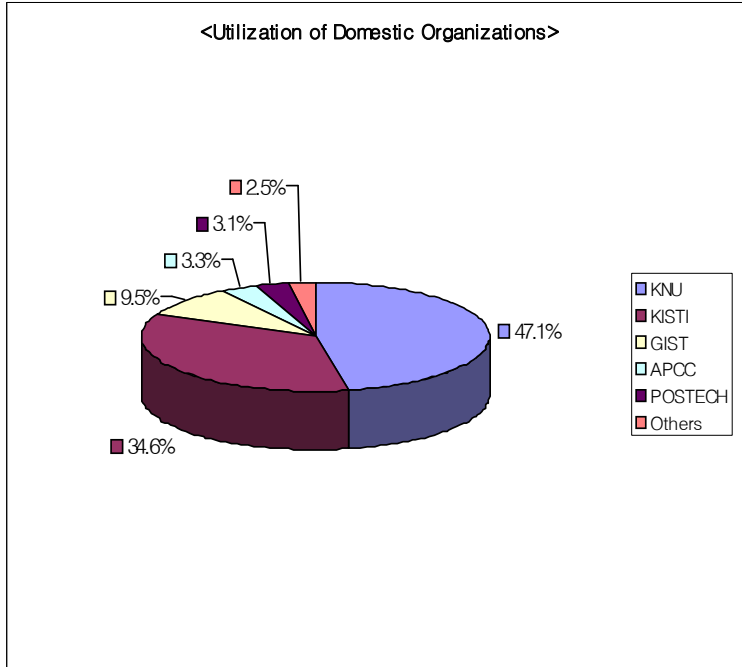
Rank	Source Country	Source/Machine	Dest. Country	Destination/Machine	Protocol	Mbytes	Total (%)
1	Korea (South)	KISTI (134.75.21.100)	United States	2615 (g142.2615.sc07.org)	TCP-Other	38411.1	4.2
2	United States	2615 (c144.2615.sc07.org)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	33384.9	3.7
3	United States	2615 (g144.2615.sc07.org)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	29990.3	3.3
4	United States	2615 (c141.2615.sc07.org)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	29384	3.2
5	United States	2933 (a10.2933.sc07.org)	Korea (South)	KISTI (134.75.21.80)	UDP-Other	22218	2.4
6	Korea (South)	KISTI (134.75.21.81)	United States	2933 (a11.2933.sc07.org)	UDP-Other	19340.6	2.1
7	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	MIT (bloom-beacon.mit.edu)	TCP-Other	12174	1.3
8	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	12156.5	1.3
9	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	10672.8	1.2
10	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	9910.5	1.1
11	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	UCLA (newsfeed.news.ucla.edu)	TCP-Other	9695.7	1.1
12	Korea (South)	KISTI (134.75.21.100)	United States	2615 (f15.2615.sc07.org)	TCP-Other	9584.8	1
13	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	9113.6	1
14	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	8685.3	1
15	United States	Virginia Tech (solaris.cc.vt.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	TCP-Other	8352.4	0.9
16	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	Virginia Tech (solaris.cc.vt.edu)	TCP-Other	8276.5	0.9
17	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	7919.1	0.9
18	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs006.grid.sinica.edu.tw)	Sinica TCP-Other	7172.2	0.8
19	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	6838.4	0.7
20	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)	TCP-Other	6642.5	0.7
21	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	6190.3	0.7
22	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs006.grid.sinica.edu.tw)	Sinica TCP-Other	6007.9	0.7
23	Korea (South)	KT (116.89.183.84)	China	sjtu.org (202.120.2.245)	UDP-Other	5554.9	0.6
24	United States	2615 (c142.2615.sc07.org)	Korea (South)	KISTI (134.75.21.100)	TCP-Other	5473	0.6
25	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	APCC (210.98.49.102)	TCP-Other	5461.6	0.6
26	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)	TCP-Other	5194	0.6
27	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	United States	news2me (newsfeed.news2me.com)	TCP-Other	4870.9	0.5

28	Korea (South)	KT (203.255.252.193)	Korea (South)	KNU (cluster119.knu.ac.kr)		TCP-Other	4821.1	0.5
29	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs006.grid.sinica.edu.tw)	Sinica	TCP-Other	4047.9	0.4
30	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs014.grid.sinica.edu.tw)	Sinica	TCP-Other	3998.9	0.4
31	France	Centre de Calcul de IIN2P3 (ccdcacsn005.in2p3.fr)	Korea (South)	KNU (cluster142.knu.ac.kr)		TCP-Other	3938.6	0.4
32	Korea (South)	POSTECH (tokyo.postech.ac.kr)	United States	CS (anecdotos.cs.purdue.edu)		TCP-Other	3776.1	0.4
33	United States	MIT (bloom-beacon.mit.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)		TCP-Other	3595.8	0.4
34	France	Centre de Calcul de IIN2P3 (ccdcacsn005.in2p3.fr)	Korea (South)	KNU (cluster141.knu.ac.kr)		TCP-Other	3549.1	0.4
35	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs014.grid.sinica.edu.tw)	Sinica	TCP-Other	3483.1	0.4
36	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KORDI (ns.kordi.re.kr)		TCP-Other	3271.7	0.4
37	United States	UCLA (newsfeed.news.ucla.edu)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)		TCP-Other	3261	0.4
38	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs012.grid.sinica.edu.tw)	Sinica	TCP-Other	3203.9	0.4
39	Korea (South)	KISTI (newsfeed.kreonet.re.kr)	Belgium	Belgian Research Network (syros.belnet.be)		TCP-Other	3065.5	0.3
40	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs015.grid.sinica.edu.tw)	Sinica	TCP-Other	3005.8	0.3
41	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs012.grid.sinica.edu.tw)	Sinica	TCP-Other	2993.4	0.3
42	Korea (South)	KISTI (134.75.21.100)	United States	2615 (g15.2615.sc07.org)		TCP-Other	2746.1	0.3
43	United States	USF (figment.csee.usf.edu)	Korea (South)	SNU (147.46.194.107)		TCP-Other	2595.7	0.3
44	United States	Univ of Cali-Santa Cruz (hgdownload.cse.ucsc.edu)	Korea (South)	ICU (203.253.134.232)		TCP-Other	2474.4	0.3
45	United States	NASA Engin for Complex Sys (e4ft01u.ecs.nasa.gov)	Korea (South)	YONSEI (165.132.26.176)		TCP-Other	2404.4	0.3
46	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs015.grid.sinica.edu.tw)	Sinica	TCP-Other	2374.3	0.3
47	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs014.grid.sinica.edu.tw)	Sinica	TCP-Other	2332.9	0.3
48	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs013.grid.sinica.edu.tw)	Sinica	TCP-Other	2287.9	0.3
49	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs008.grid.sinica.edu.tw)	Sinica	TCP-Other	2140.2	0.2
50	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs008.grid.sinica.edu.tw)	Sinica	TCP-Other	2096.9	0.2
51	Belgium	Belgian Research Network (syros.belnet.be)	Korea (South)	KISTI (newsfeed.kreonet.re.kr)		TCP-Other	2086	0.2
52	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs013.grid.sinica.edu.tw)	Sinica	TCP-Other	1965.8	0.2
53	Korea (South)	POSTECH (tokyo.postech.ac.kr)	United States	Purdue Univ (grigora.cs.purdue.edu)		TCP-Other	1905.2	0.2
54	United States	NASA Engin for Complex Sys (airspar1u.ecs.nasa.gov)	Korea (South)	SNU (middle6.snu.ac.kr)		TCP-Other	1854.3	0.2
55	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (167.205.22.105)		TCP-Other	1793.4	0.2
56	United States	NASA Goddard SFC (acdisc.sci.gsfc.nasa.gov)	China	COLBJ-CN (58.207.3.229)		TCP-Other	1770.7	0.2
57	United States	UCAR (huron.scd.ucar.edu)	China	LZU (210.26.50.198)		TCP-Other	1650.7	0.2
58	United States	Univ of Cali-Santa Cruz (hgdownload.cse.ucsc.edu)	China	PKU (dawn.cbi.pku.edu.cn)		TCP-Other	1650.6	0.2
59	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs015.grid.sinica.edu.tw)	Sinica	TCP-Other	1615.2	0.2
60	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs012.grid.sinica.edu.tw)	Sinica	TCP-Other	1565.8	0.2
61	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs013.grid.sinica.edu.tw)	Sinica	TCP-Other	1524.1	0.2
62	United States	MCNC-NCREN (webcache.ncrn.net)	Indonesia	ac.id (cache1.itb.ac.id)		TCP-Other	1456	0.2
63	United States	N O A (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	SNU (147.47.211.153)		TCP-Other	1346.1	0.1
64	United States	UMD (metodata2.umd.edu)	China	OUC-CN (222.195.135.54)		TCP-Other	1323.6	0.1
65	United States	NASA Engin for Complex Sys (n4ft01u.ecs.nasa.gov)	China	ZPYFIC (210.72.26.32)		TCP-Other	1305.3	0.1
66	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)		TCP-Other	1279.8	0.1
67	United States	NOAA (ftp.cdc.noaa.gov)	Korea (South)	SNU (embl.snu.ac.kr)		TCP-Other	1271.6	0.1
68	Korea (South)	KNU (cluster142.knu.ac.kr)	Taiwan	Academia (c2fs007.grid.sinica.edu.tw)	Sinica	TCP-Other	1249.8	0.1
69	United States	N O A (ncepftp-ssmc2.woc.noaa.gov)	Korea (South)	KISTI (150.183.7.132)		TCP-Other	1234.2	0.1
70	United States	MCNC-NCREN (elk.ncrn.net)	Korea (South)	KAIST (news-hub.kaist.ac.kr)		TCP-Other	1225	0.1
71	United States	NIH (165.112.7.10)	China	PKU (dawn.cbi.pku.edu.cn)		TCP-Other	1182.7	0.1
72	United States	UIUC (reflection.ncsa.uiuc.edu)	Korea (South)	KAIST (ftp.kaist.ac.kr)		TCP-Other	1177.5	0.1
73	United States	NIH (130.14.29.30)	Korea (South)	SNU (147.46.65.61)		TCP-Other	1171.8	0.1
74	Korea (South)	KNU (cluster141.knu.ac.kr)	Taiwan	Academia (c2fs007.grid.sinica.edu.tw)	Sinica	TCP-Other	1165.7	0.1
75	France	Centre de Calcul de IIN2P3 (ccxfer13.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)		TCP-Other	1160.4	0.1

76	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs008.grid.sinica.edu.tw)	Sinica	TCP-Other	1156.1	0.1
77	United States	UMD (metodata2.umd.edu)	China	OUC-CN (222.206.194.27)		TCP-Other	1135	0.1
78	United States	NIH (130.14.29.30)	Korea (South)	KRIBB (210.218.222.129)		TCP-Other	1038	0.1
79	United States	NASA Engin for Complex Sys (n0dps01u.ecs.nasa.gov)	China	CASNW (210.77.68.233)		TCP-Other	1024.6	0.1
80	Korea (South)	KNU (cluster134.knu.ac.kr)	Taiwan	Academia (c2fs007.grid.sinica.edu.tw)	Sinica	TCP-Other	1005.2	0.1
81	United States	NIH (165.112.7.10)	Korea (South)	KRIBB (210.218.222.129)		TCP-Other	995.9	0.1
82	France	Centre de Calcul de IIN2P3 (ccdcatsn011.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)		TCP-Other	987.4	0.1
83	United States	UIUC (neo-ircache.ncsa.uiuc.edu)	Indonesia	ac.id (167.205.22.105)		TCP-Other	965.3	0.1
84	United States	UCSD (cas-rad.ucsd.edu)	Korea (South)	SNU (cyclone.snu.ac.kr)		TCP-Other	939.6	0.1
85	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster134.knu.ac.kr)		TCP-Other	938.2	0.1
86	United States	UIUC (neo-ircache.ncsa.uiuc.edu)	Indonesia	ac.id (cache1.itb.ac.id)		TCP-Other	868.1	0.1
87	Korea (South)	KAIST (ftp.kaist.ac.kr)	Taiwan	r e v . d y x n e t . c o m (static-ip-139-73-134-202.rev.dyxnet.com)		TCP-Other	818.4	0.1
88	United States	NASA (ladswb.nascom.nasa.gov)	China	WTUSM (202.114.121.186)		TCP-Other	799	0.1
89	United States	NIH (130.14.29.30)	China	PKU (dawn.cbi.pku.edu.cn)		TCP-Other	788.2	0.1
90	United States	NASA Jet Propulsion Lab (podaac.jpl.nasa.gov)	Korea (South)	KMA (210.107.255.253)		TCP-Other	785.8	0.1
91	China	sjtu.org (202.120.2.245)	Korea (South)	KT (116.89.183.84)		ICMP	748.3	0.1
92	United States	NASA (ladswb.nascom.nasa.gov)	Korea (South)	SNU (147.47.215.179)		TCP-Other	743.3	0.1
93	France	Centre de Calcul de IIN2P3 (ccxfer09.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)		TCP-Other	730.5	0.1
94	United States	Stanford Univ (cobb.stanford.edu)	China	CSTNET (202.127.20.26)		TCP-Other	715.8	0.1
95	United States	Univ of Utah (ray.cosmic.utah.edu)	China	IHEP-CN (lxslc02.ihep.ac.cn)		TCP-Other	712.9	0.1
96	United States	UCSD (ejj.ucsd.edu)	Korea (South)	SNU (monsoon.snu.ac.kr)		TCP-Other	698.6	0.1
97	United States	Stanford (shine-client-9.stanford.edu)	Korea (South)	CBNU (210.125.159.233)		UDP-Other	698.1	0.1
98	France	Centre de Calcul de IIN2P3 (ccxfer10.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)		TCP-Other	687.9	0.1
99	France	Centre de Calcul de IIN2P3 (ccxfer16.in2p3.fr)	Korea (South)	KNU (cluster146.knu.ac.kr)		TCP-Other	682.3	0.1
100	United States	NOAA (nomad3.ncep.noaa.gov)	Ukraine	URAN (212.111.204.98)		TCP-Other	681.3	0.1
	Others		Others			*	445549.6	48.7
	Total						913965.2(6.0Mbps)	100

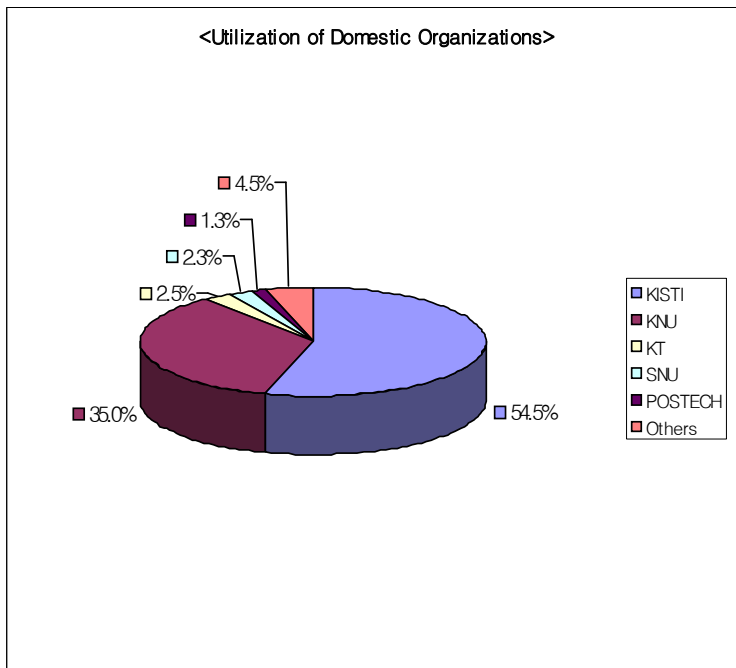
○ 국내 기관별 분류

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순위	기관명
1	KNU
2	KISTI
3	GIST
4	APCC
5	POSTECH
6	KRIBB
7	KAIST
8	KORDI
9	SNU

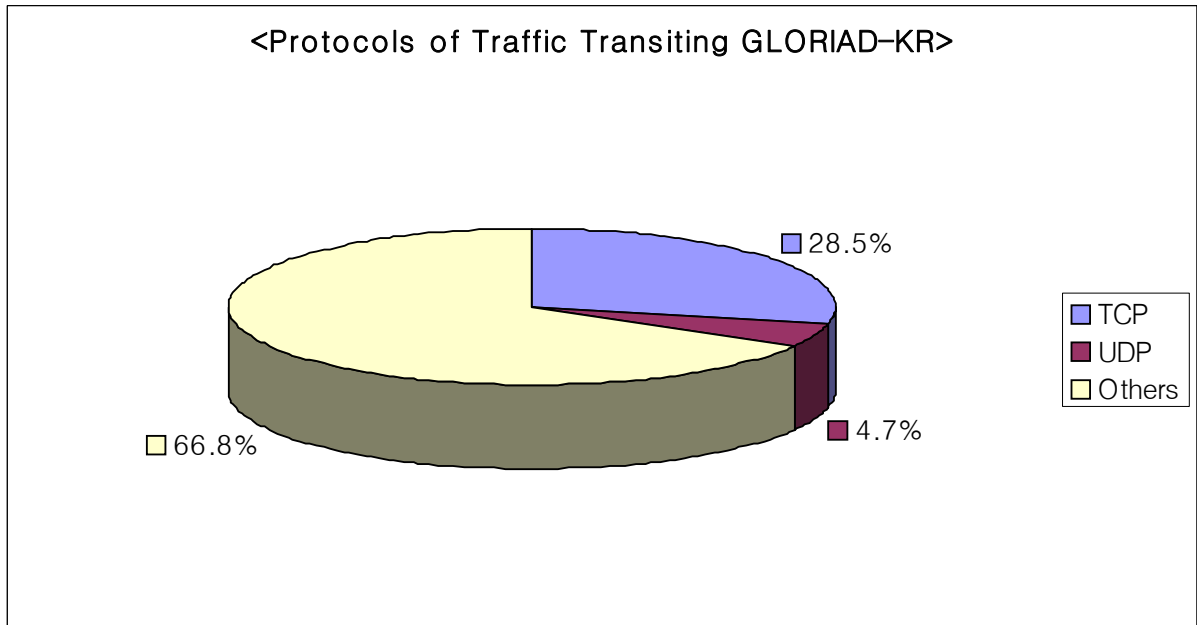
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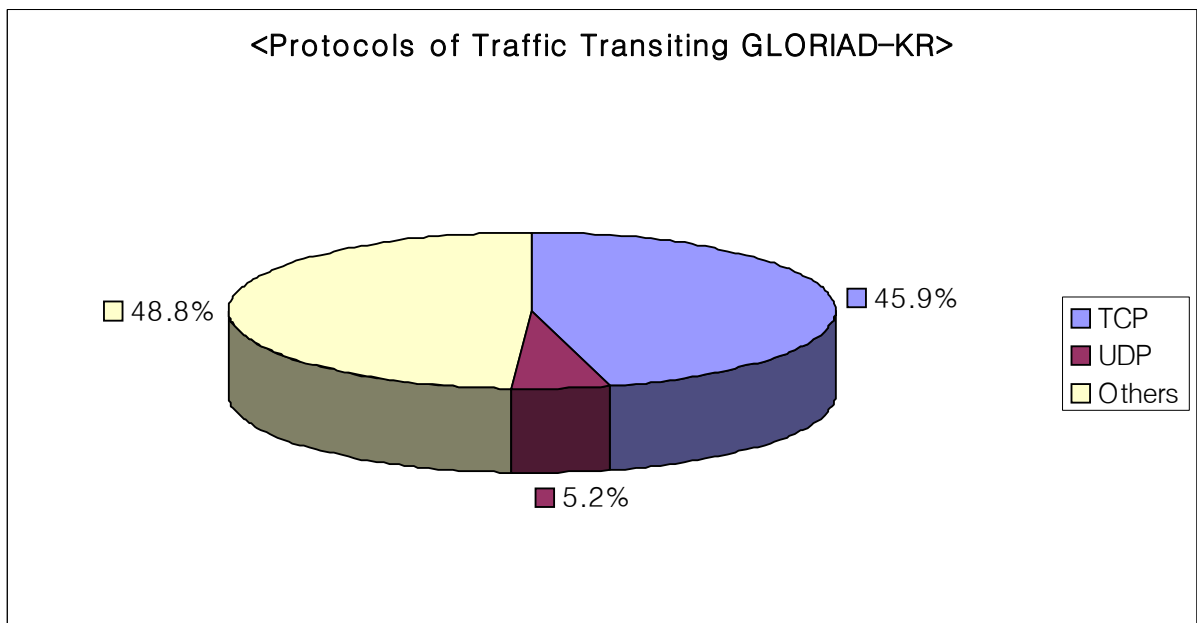
순위	기관명
1	KISTI
2	KNU
3	KT
4	SNU
5	POSTECH
6	APCC
7	KORDI
8	KAIST
9	ICU
10	YONSEI
11	KRIBB
12	KMA
13	CBNU

○ 프로토콜별 분류

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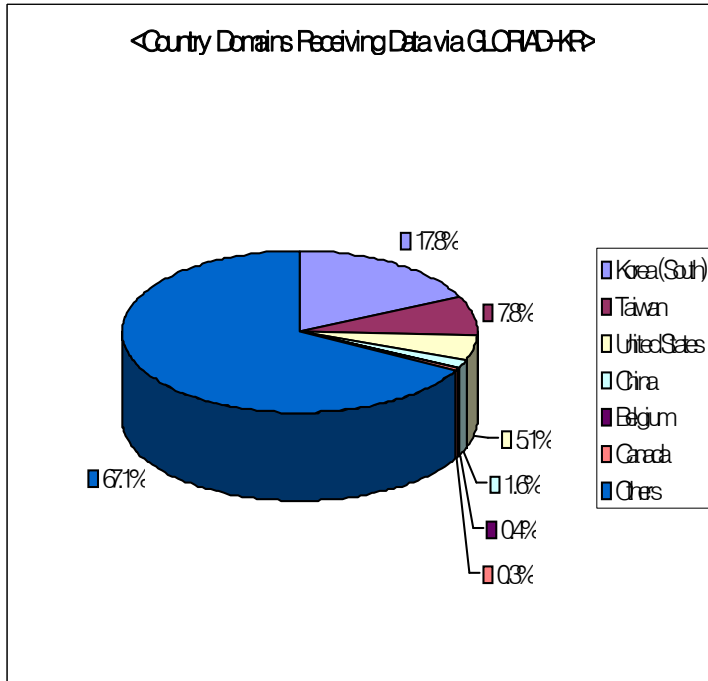


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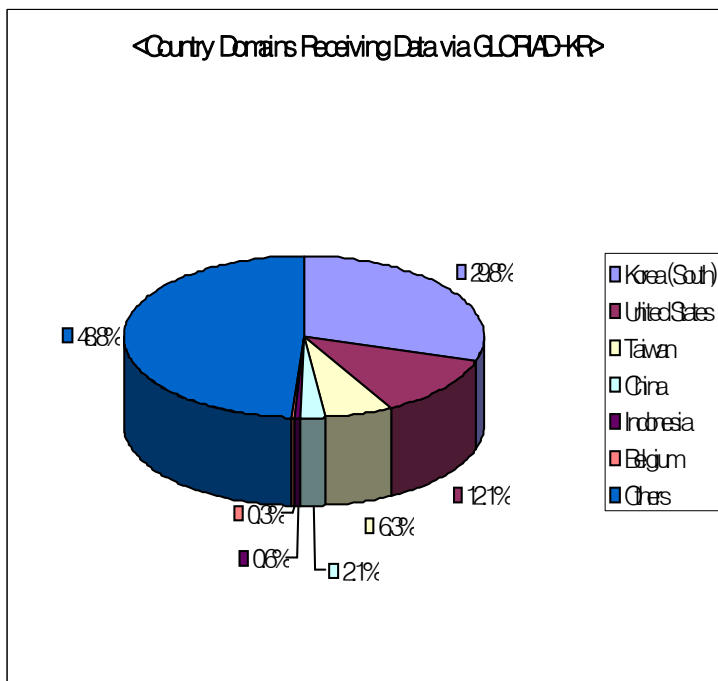
○ 국가별 분류 I (데이터 수신)

<10월4주>



순위	국가명
1	Korea (South)
2	Taiwan
3	United States
4	China
5	Belgium
6	Canada
7	Thailand
8	Austria

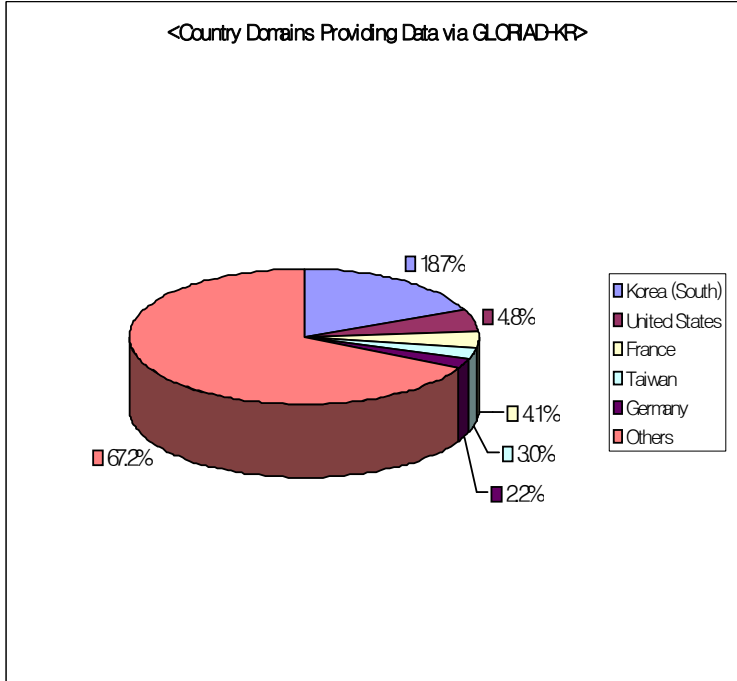
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순위	국가명
1	Korea (South)
2	United States
3	Taiwan
4	China
5	Indonesia
6	Belgium
7	Ukraine

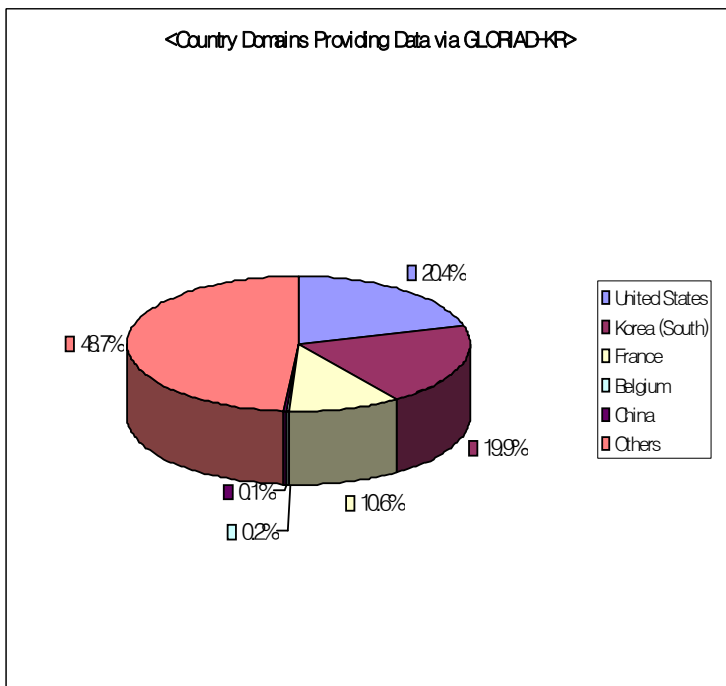
○ 국가별 분류 II (데이터 송신)

<10월4주>



순위	국가명
1	Korea (South)
2	United States
3	France
4	Taiwan
5	Germany
6	Switzerland
7	Viet Nam
8	China

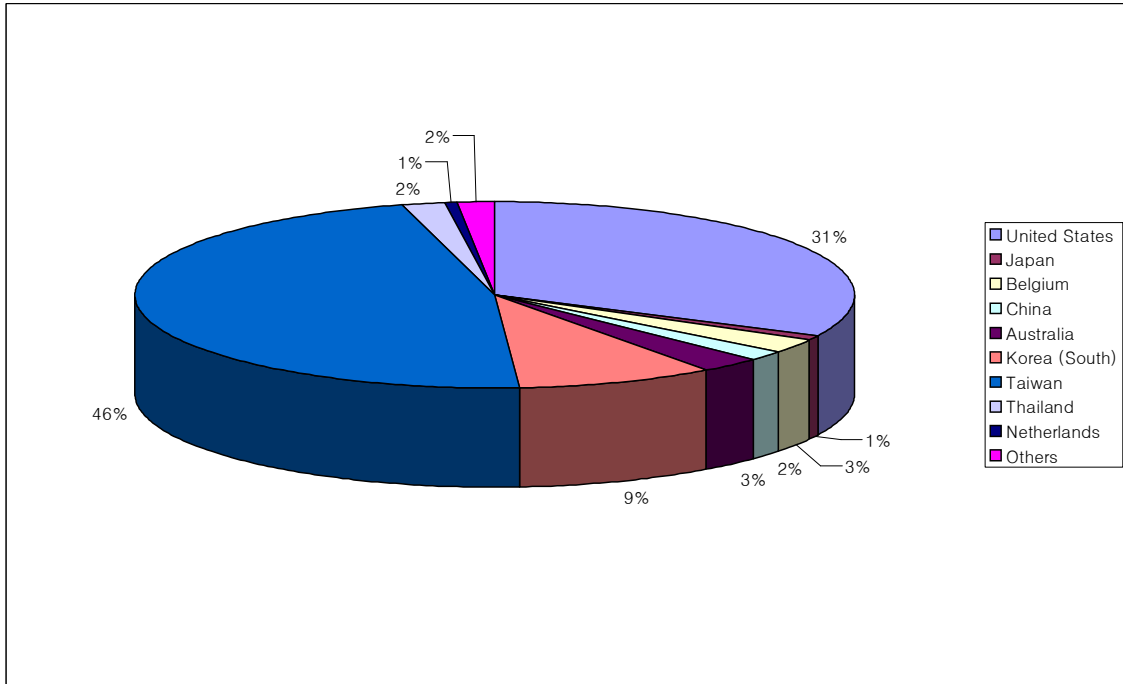
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순위	국가명
1	United States
2	Korea (South)
3	France
4	Belgium
5	China

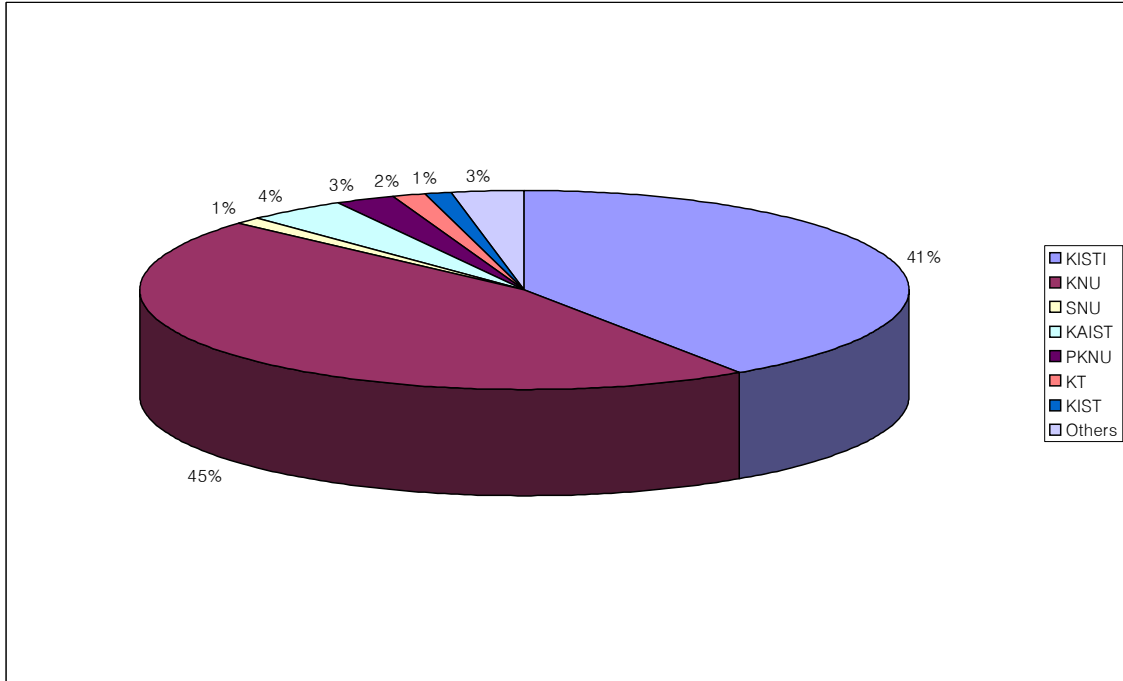
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■ 상대국가분포



순위	상대국가
1	Taiwan
2	United States
3	Korea (South)
4	Belgium
5	Australia
6	Thailand
7	China
8	Japan
9	Netherlands
10	Switzerland
11	Malaysia
12	Mexico
13	Austria
14	France
15	United Kingdom
16	Italy

■ 국내기관분포

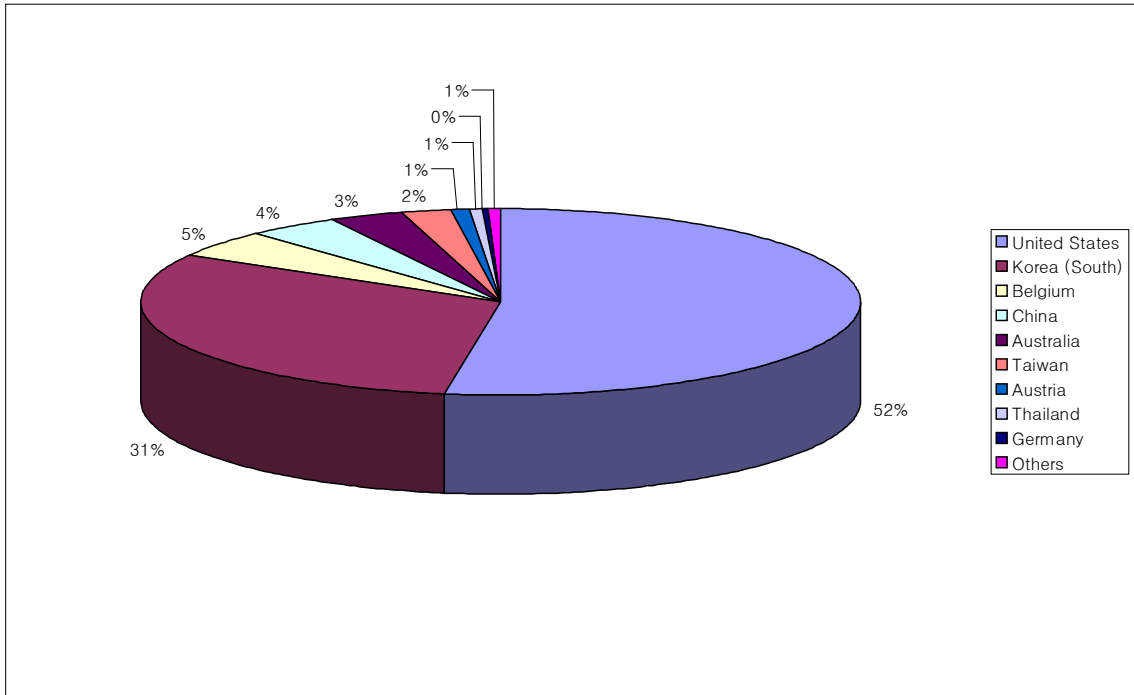


순위	국내기관	상대국가	상대기관
1	KISTI	Austria	Univ. Salzburg
		Belgium	Belgian Research Network
		China	CUHK
		Japan	Organization Domain
		Korea (South)	GIST, KIAS, KISTI, KREONet
		United States	UCLA, MIT, Virginia Tech, news2me, UC Berkely, Stanford Univ
2	CNU	Taiwan	rev.dyxnet.com
3	SNU	China	ctinets.com
		France	Institut National de Recherche en Inform
		Japan	KIREI-MAG, Isbm.org
		Taiwan	TWNIC
		United States	Stanford Univ, Northwestern Univ, Univ of Michigan, Arizona State Univ, ATMOS, reshsg.uci.edu, Univ of California Davis
4	KRIBB	Thailand	ac.th, nectec.or.th, UNI
5	KAIST	China	PCCW Limited, ctinets.com, Gansudaily, hkccable.com.hk, TNC
		France	INRIA Rhone-Alpes
		Japan	ECC
		Malaysia	net.my
		Netherlands	Technische Universiteit Eindhoven
		Taiwan	Taiwan Educational Network, rev.dyxnet.com
		Thailand	Kasetsart Univ., KU
		United States	Princeton Univ, Stanford Univ, CHEM, CRHC,

			dhcp.unm.edu, Michigan State Univ, nps.edu, res-hall.northwestern.edu, user.msu.edu
6	POSTECH	Australia	Exchange Point Blocks
		Japan	odn.ne.jp
		United Kingdom	UK Universities
		United States	Harvard Univ, CS, University of Maryland
7	KEI	United States	Univ of Houston
8	Korea Univ.	United States	res.gatech.edu
9	KNU	Taiwan	Academia Sinica
10	KT	Korea (South)	KNU
11	GIST	France	INRIA Rhone-Alpes
		Korea (South)	KISTI
12	Sejong Univ.	Japan	meisei-mic.ac.jp
		Switzerland	CERN - European Lab for Particle Physics
13	PKNU	Australia	curtin.edu.au
14	PNU	United States	Harvard Univ
15	KOREN	Italy	INFN
		Mexico	unam.mx
16	Kwangju Institute of Science & Technolog	France	INRIA Rhone-Alpes
17	KAO	Japan	Japanese Educational Network
18	KIAS	Korea (South)	KISTI
19	KREONet	Korea (South)	KISTI
20	YONSEI	Taiwan	mlc.edu.tw
21	KIST	Netherlands	springer-sbm.com
		United States	Stanford Univ, NC State Univ

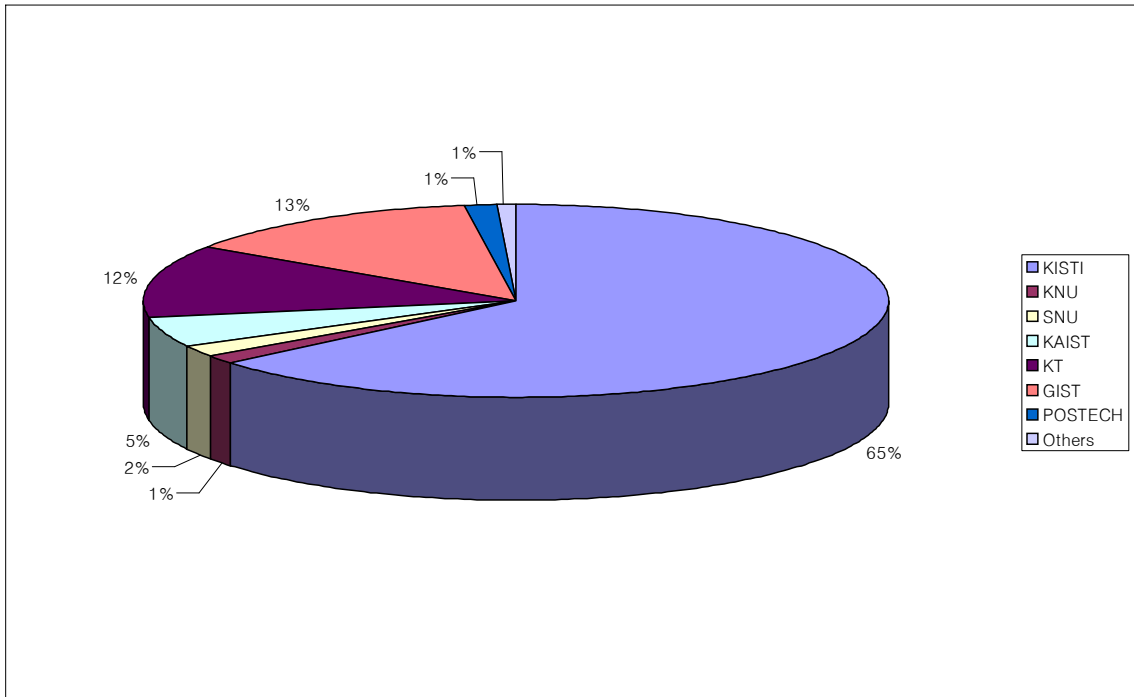
<2007 3/4분기 글로리아드링크 사용 현황>

■ 상대국가분포



순위	상대국가
1	United States
2	Korea (South)
3	Belgium
4	China
5	Australia
6	Taiwan
7	Austria
8	Thailand
9	Germany
10	Netherlands
11	Malaysia
12	United Kingdom
13	Japan
14	Poland
15	Russia

■ 국내기관분포



순위	국내기관	상대국가	상대기관
1	KISTI	Australia	Exchange Point Blocks
		Austria	Univ. Salzburg
		Belgium	Belgian Research Network
		China	CUHK, China Educ/Rsrch Network
		United States	UCLA, MIT, Virginia Tech, news2me, Ameritech, Multicast, UCAR
		Korea (South)	GIST, KISTI
2	SNU	China	PCCW Limited, POWERCOM, Inst of Atmos Physics, CAS
		Japan	lsbm.org
		United States	UCSD, Fermi Natl Lab, ATMOS, blogger.com, Cornell Univ, Case Western Reserve Univ, dhcp4.washington.edu, bc.net
3	KRIBB	Thailand	THAIGRID
4	KAIST	Australia	TELSTRA
		China	PCCW Limited, ctinets.com, Gansudaily, CSOFT, hostrino.com, oss.lzu.edu.cn, BFSU-CN, ChinaMobile
		Germany	MPIKG-GOLM
		Malaysia	TMNET
		Russia	Friends & Partners
		Taiwan	rev.dyxnet.com, broadweb
		Thailand	KU

		United States	UCLA, Stanford Univ, IBM, nps.edu, Univ of Utah, Penn State, ng2.ohiou.edu, resnet.rochester.edu, accenture.com, HILLRS, ee.nd.edu
		Poland	pw.edu.pl
5	POSTECH	Belgium	ac.be, ucl.ac.be
		Germany	EECS
		Netherlands	Universiteit Twente
		United Kingdom	UK Universities
		United States	UCLA, Indiana Univ, UIUC, Univ of Pennsylvania, CAIDA
6	KEI	United States	Univ of Houston
7	KNU	Germany	Universitaet Nuernberg Erlangen
		Taiwan	Academia Sinica
8	APCC	United States	BOULDER, Univ of Hawaii
9	KT	Korea (South)	KNU
10	GIST	United States	Ameritech, EVL
		Korea (South)	KISTI
11	YONSEI	United States	UW-Madison
12	kigam.re.kr	United States	SMU

<참조 1> 약어설명

- APCC : APEC Climate Center
- CHEP : 경북대 고에너지물리연구소
- CNU : 충남대학교
- Donga Univ.: 동아대학교
- Dongseo Unvi. : 동서대학교
- GIST : 광주과학기술원
- GSNU : 경상대학교
- HEP : 고에너지물리 (High Energy Physics)
- Hoseo Univ. : 호서대학교
- ICU : 한국정보통신대학교
- KAIST : 한국과학기술원
- KASI : 한국천문연구원
- KEI : 한국환경정책·평가연구원
- KIER : 한국에너지기술연구원
- KIGAM : 한국지질자원연구원
- KIMM : 한국기계연구원
- KIST : 한국과학기술연구원
- KISTI : 한국과학기술정보연구원
- KMA : 기상청
- KNU : 경북대학교
- KORDI : 한국해양연구원
- Korea Univ. : 고려대학교
- KOWACO : 한국수자원공사
- KRIBB : 한국생명공학연구원
- KRISS : 한국표준과학연구원
- KT : 한국통신
- KUMHO : 금호아시아나그룹
- PKNU : 부경대학교
- PNU : 부산대학교
- POSTECH : 포항공과대학교
- RDA : 농촌진흥청
- Sejong Univ. : 세종대학교
- SKKU : 성균관대학교
- SNU : 서울대학교
- TIT : 동명정보대학교
- Yonsei Univ. : 연세대학교