

CAIDA Platforms

existing — planned · - - - - ·

Measurement Software and Hardware Infrastructures to Support Data Collection

CAIDATTIACTOTITS	
	Security assessments
Archipelago [Ark]	testing network vulnerability
Collection of active monitors	[Ark] Spoofer traces
Vela [Vela] on-demand measurement	[User,WaiU] netstinky (checks protocol compliance)
Henya [Hen]	[User, UPisa] home traffic
topology query system	Topology measurement IP level
ASRank [AR]	path and performance measurement: IP level [Ark] servers
ISPs' Autonomous System (AS)	(traceroutes)
ranking and relationships	[Ark] MIDAR (router aliases)
BGPStream [BS]	[RIPE] RIPE Atlas :
Collector/Database for	[0p] Looking Glass Servers (third party traceroute/ping)
processing BGP data	[PCH] IX DB
Spoofer [Spfr]	[PDB] IX DB (Internet eXchanges)
[Ark,User] run code to check	[CS] IX DB'
for "spoofed" addreses	(Internet eXchanges) [HE] IX DB (Internet eXchanges)
	Topology measurement AS Level
Periscope [Per] 🜔	routing measurement data : AS Level [Ark] ISP-level traceroute
Interface to public looking	(IP paths to AS paths) [RIPE,RV] BGP data (AS's paths and prefixes)
glass interfaces	(AS's paths and prefixes)
Hosting Organizations	
Letter Of Collaboration (LOC)	
Waikato University [WaiU] 🗏 RIPE NCC [RIPE] 🧼	
University of Twente [UTwe]	[RIR] WHOIS data (Internet ID ownership)
University of Pisa [UPisa]	Meta-data to support analytics
140	geographic location of Internet resources [Max] Maxmind Lite
DigitalElements [DE] 🜀	(IP geolocation)
MAXMIND [Max] Hurrican Electric [HE] (1)	(IP geolocation)
Federal Communication Commission [FCC]	(hostname geolocation)
Regional Internet Registry [RIR]	[UTwe] OpenIntel (DNS Database)
Route Views[RV] 🐺 Amazon [Amzn]	
Cloudscene[CS] A PeeringDB[PDB]	Performance measurements quality of experience assessments
Packet Clearing House [PCH] PCH	(ISP border mapping)
,	[Ark] TSLP
Users [User]	(time-series latency probing)
Volunteers running	[Ama] Mech Turk
measurement code	(crowdsourcing QOE assissment)
	[FCC] MBA (latency/performance)
Operators [Op] ISP Operators running	Passive traffic analytics
measurement code	

Resulting Databases and Datasets

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