Internet Health Report

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IIJ Research Lab
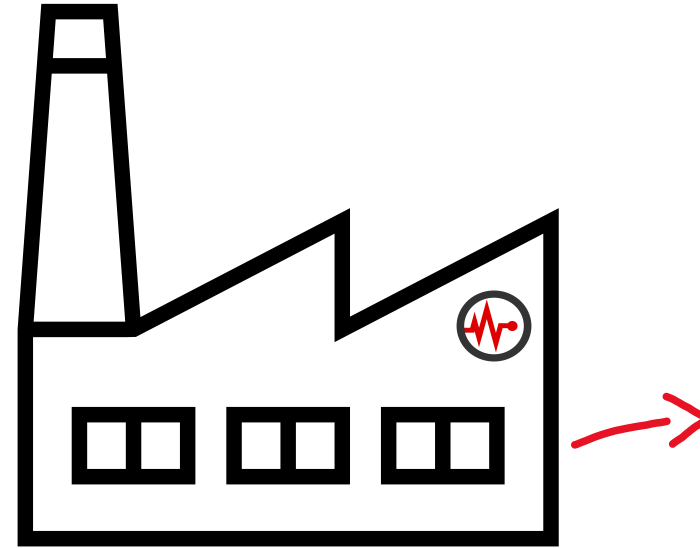
Monitoring the Internet
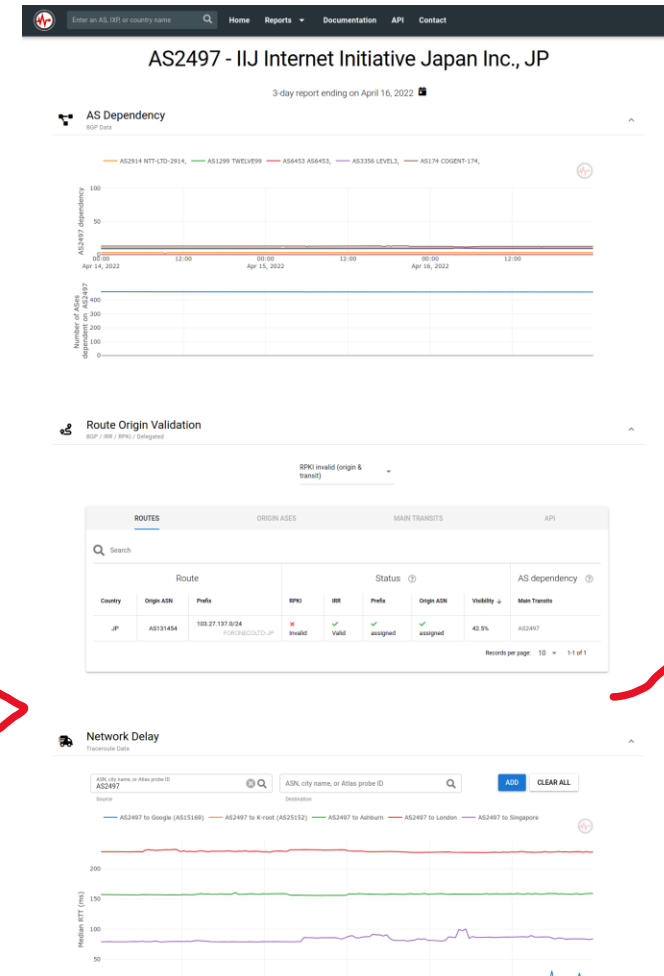
Open data
- BGP
- traceroute
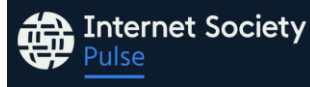- RPKI

Analysis modules
- Network dependency
- Network latency
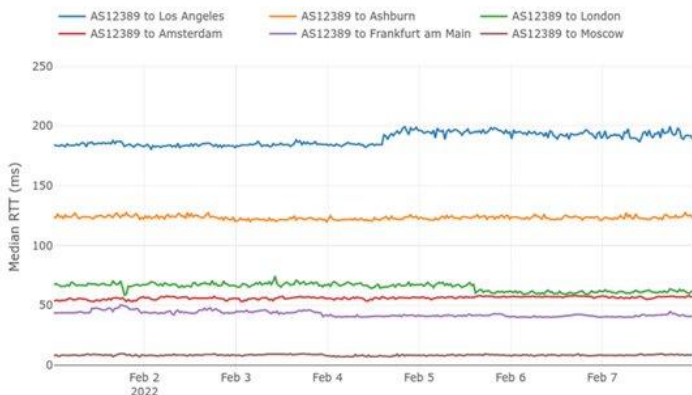- Disconnections
- Anomaly detection

Outcomes
- https://ihr.iijlab.net
  - Visualization
  - API
  - Daily dumps
- External collaborations

Network congestion:

Round Trip Time from Rostelecom (AS12389)

February 2022

— AS12389 to Los Angeles — AS12389 to Ashburn — AS12389 to London
— AS12389 to Amsterdam — AS12389 to Frankfurt am Main — AS12389 to Moscow

Los Angeles
Ashburn
London
Amsterdam
Frankfurt
Moscow

March 2022

— AS12389 to Los Angeles — AS12389 to Ashburn — AS12389 to London
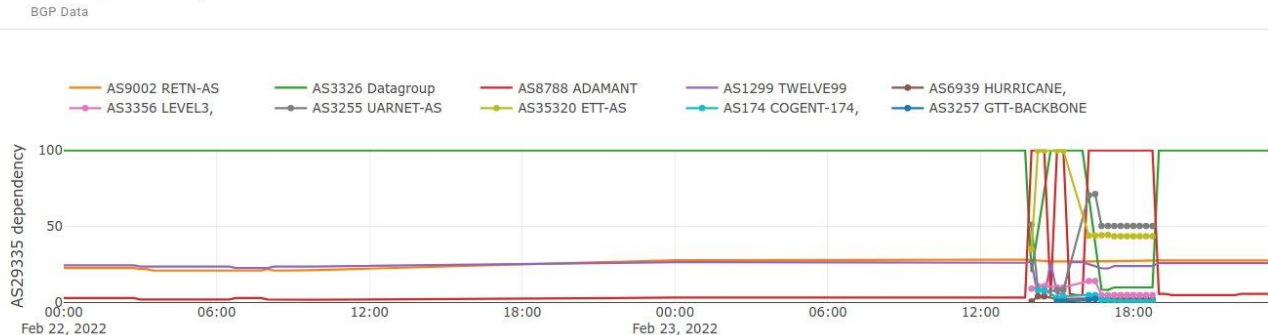— AS12389 to Amsterdam — AS12389 to Frankfurt am Main — AS12389 to Moscow
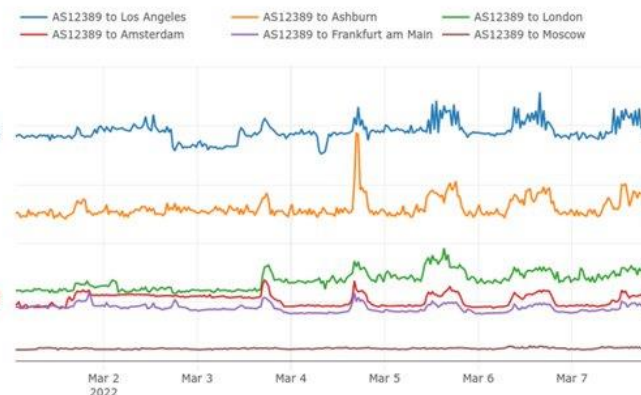
Routing change due to DDoS attack:

RPKI status:

AS29335 - RADAUA Office of the Verkhovna Rada of Ukraine, UA

3-day report ending on February 24, 2022

AS Dependency
BGP Data

— AS9002 RETN-AS — AS3326 Datagroup — AS8788 ADAMANT — AS1299 TWELVE99 — AS6939 HURRICANE,
— AS3356 LEVEL3, — AS3255 UARNET-AS — AS35320 ETT-AS — AS174 COGENT-174, — AS3257 GTT-BACKBONE

Route Origin Validation

3-day report ending on July 12, 2021

Routes seen in RIS/Routeviews   **Status in RPKI & IRR**   **Upstream networks**

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