YouTube Hijacking (February 24th 2008) Analysis of BGP Routing Dynamics

Antony Antony Daniel Karrenberg Robert Kisteleki Tiziana Refice Rene Wilhelm

Dept. of Computer Science and Automation, University of Roma Tre (2008)

Download Google Scholar

Abstract

On Sunday, 24 February 2008, Pakistan Telecom (AS17557) started an unauthorized announcement of the prefix 208.65.153.0/24. One of Pakistan Telecom's upstream providers, PCCW Global (AS3491) forwarded this announcement to the rest of the Internet, which resulted in the hijacking of YouTube traffic on a global scale.
In this report we show how this event was observed by about 300 vantage points (also called collector peers) spread over the Internet by the Routing Information Service (RIS) of RIPE NCC and, in general, how to obtain hard data on network events using public available tools developed by the RIS and by the Compunet Research Group of Rome Tre University.

Research Areas

Networking

Meet the teams driving innovation

Our teams advance the state of the art through research, systems engineering, and collaboration across Google.

See our teams

Follow us

Explore our other initiatives

Google AI

Discover how Google AI is committed to enriching knowledge and solving complex challenges

- Products
- Build
- Research
- Responsibility
- Societal Impact
- About

Google Cloud

High-performance infrastructure for cloud computing, data analytics & machine learning

- Overview
- Solutions
- Products
- Pricing
- Resources

Google DeepMind

Our mission is to build AI responsibly to benefit humanity

Google Labs

Explore the future of AI responsibly with Google Labs