The Internet Protection Society

Runet Connectivity Monitoring:
# Why and how?

Motivation

- May 21st events in Kazakhstan: all external links closed, social networks shut down for two days

- Chinese delegation in Moscow: the Kremlin's desire to reproduce the Great Chinese Firewall is not a secret anymore

- Fortunately, the Runet historically developed itself not following the Chinese pattern, it is well-connected to the rest of the world

Project Concept

- Let's develop some metrics to keep track of the connectivity between Runet and the rest of the world, and let's collect them and publish them in the realtime

- Let's keep these metrics simple and integral, as the body temperature is: having 38.5º does not necessarily imply you're sick, but gives a good reason for a more thorough check

- Let's try to figure out ways to measure the physical connectivity

State Of The Art

График за 2016
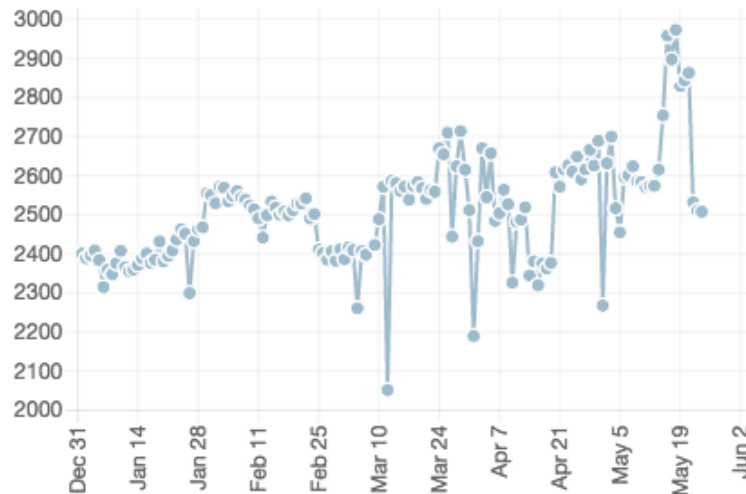
- First indicator: number of BGP connections between domestic and foreign AS's

- Extremely rough, still gives some first impression about the trend (and it is positive)

What Next

- Physical connectivity measurement
- Good news: we have a wide network of volunteers (10K+ all over the country) who would agree to download and run a simple tool
- Let this tool ping all the major IX's and provide the information about the traces to us: we'll be able to collect the information from all Russia's large AS's
- Any other ideas warmly welcome

Questions?

Thanks a lot!
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