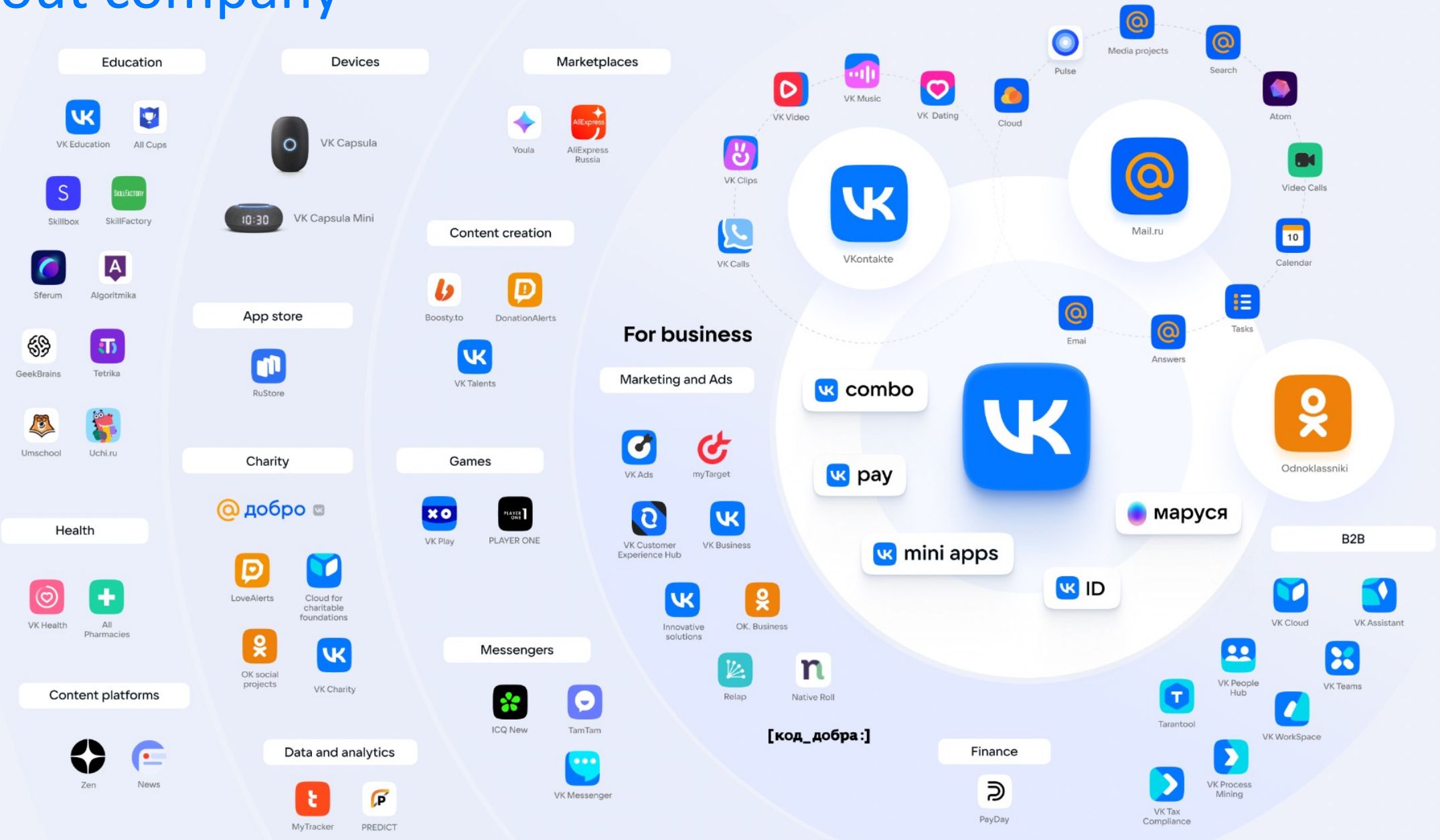


VK. Peering opportunities

Yakupova Elena,
Deputy CTO VK
<https://vk.com/company/>



About company



[код_добра:]



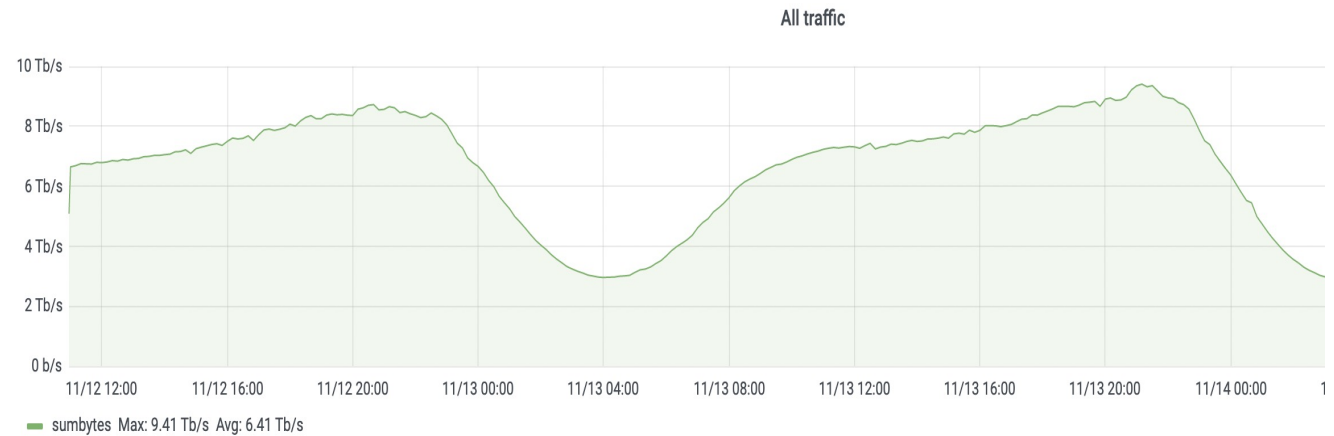
About VK network

- 11 Data Center
- > 50 000 servers
- 8 POP (point of presence)

Moscow & Saint Petersburg

- More than 1200 BGP session
- Peak traffic > 8Tbps
- CDN

66 point in Russia, Kazakhstan, Uzbekistan, Tajikistan, Belarus, Thailand, Netherlands, Abkhazia.



> 8Tbps
external traffic

BGP peering

ASN VK

AS47764

AS47541

Type of Interface POP – 10/100GE

BGP peering

<https://net.mail.ru/noc@vk.team>

CDN

VK CDN or VK ISP Cache

b2o@vk.team





CDN (Content Delivery Network)

VK CDN

VK Servers

The biggest ISPs of region connect to VK CDN (all users of the region are connected to CDN)

Free Internet for uploading data from Moscow VK Data Centers

Maintenance by VK engineer

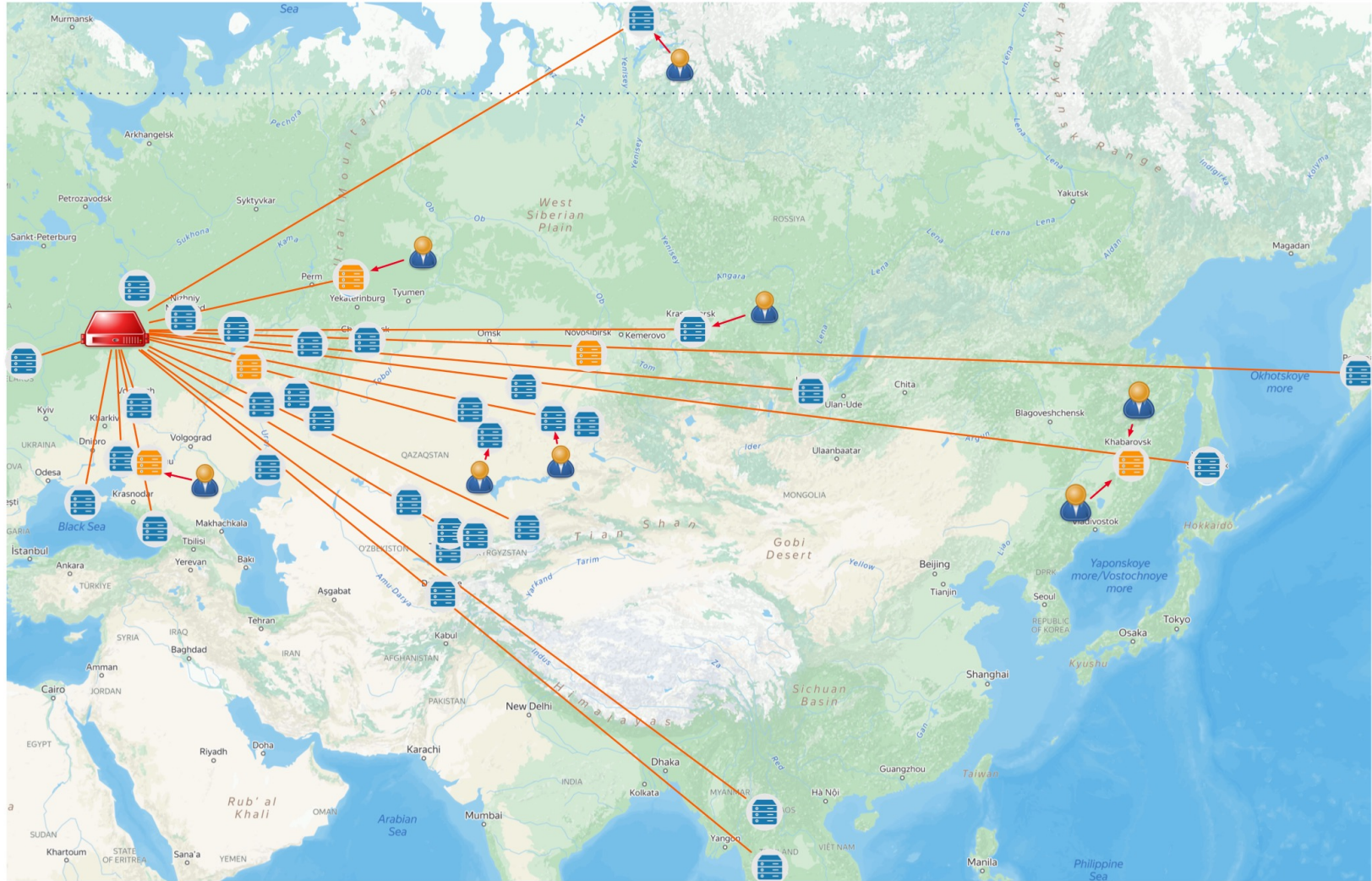
VK ISP Cache

ISP Servers and Network

Min 2 servers

Content for users of this ISP

Maintenance by VK engineer

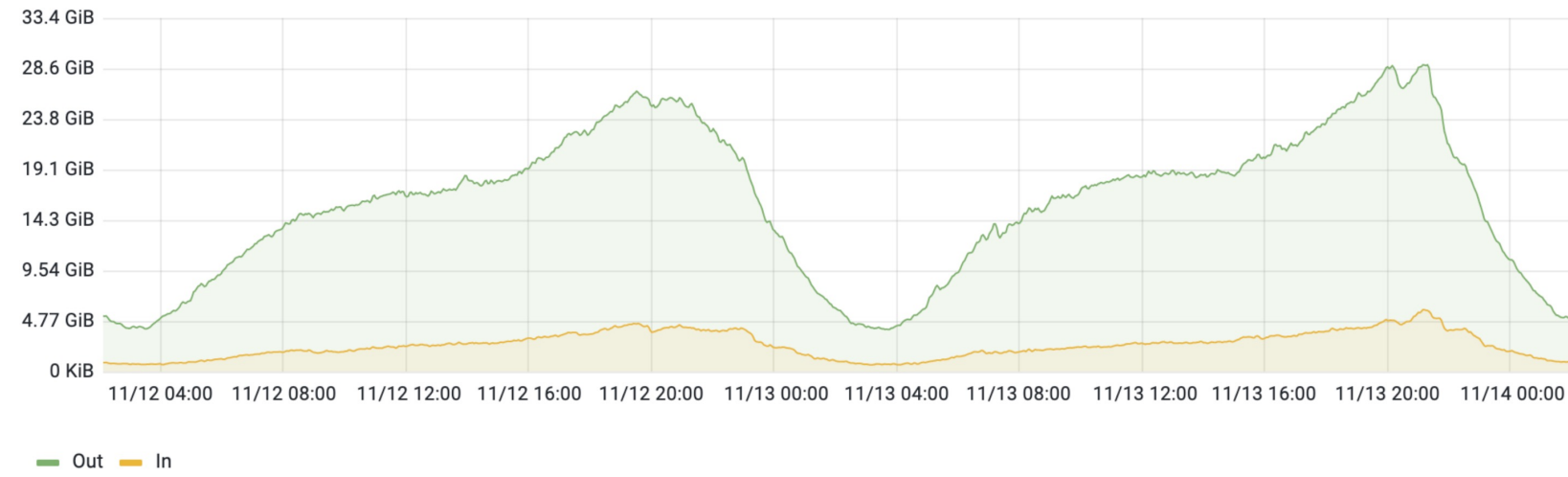


CDN (Content Delivery Network)



Profit

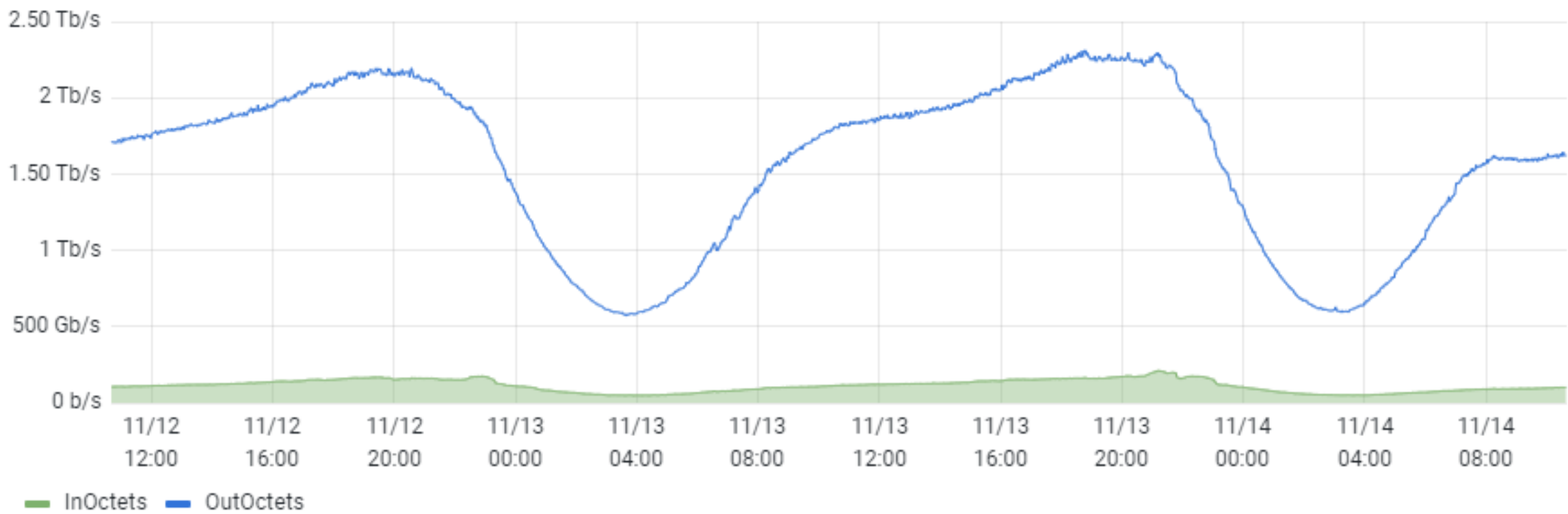
- Reduced costs of the traffic transit
- Content loading speed
- Improved quality of the service



CDN (Content Delivery Network)



Traffic cdn networks nodes - All



Central Asia. Traffic from VK



Peak traffic

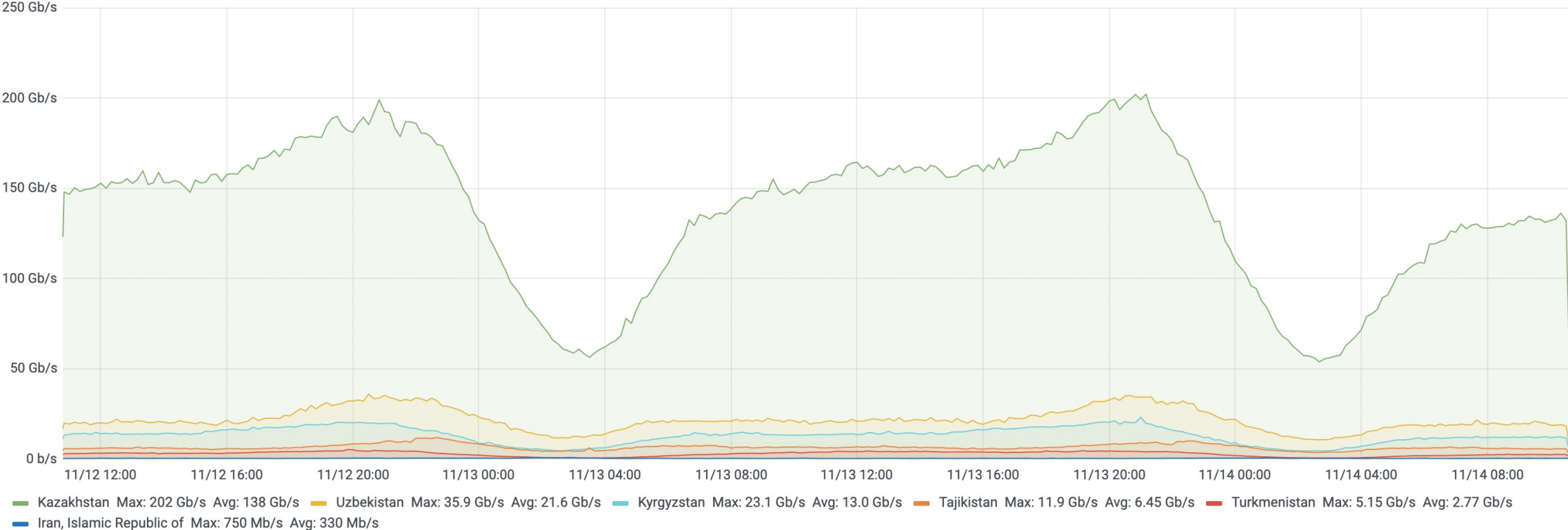
Kazakhstan 200Gbps

Uzbekistan 36Gbps

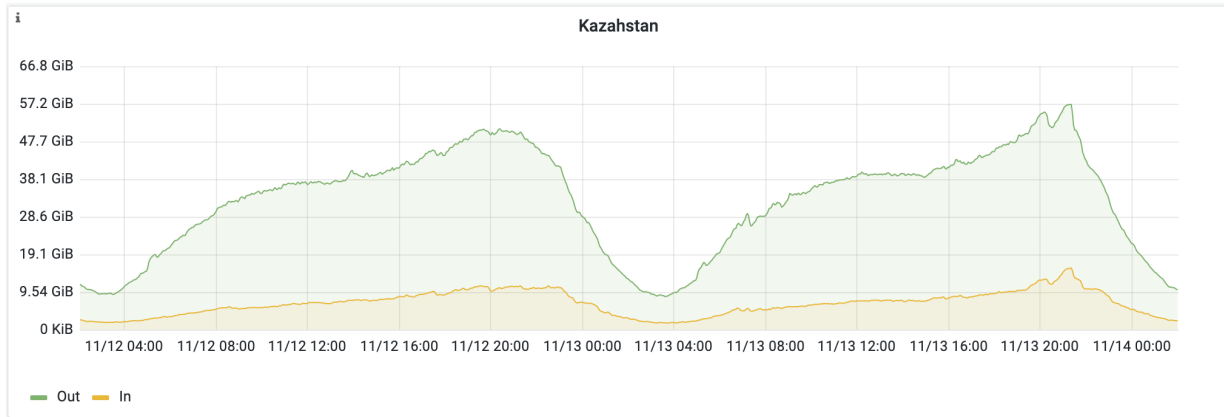
Kyrgyzstan 23Gbps

Tajikistan 12Gbps

Turkmenistan 3Gbps



VK ISP Cache. Central Asia



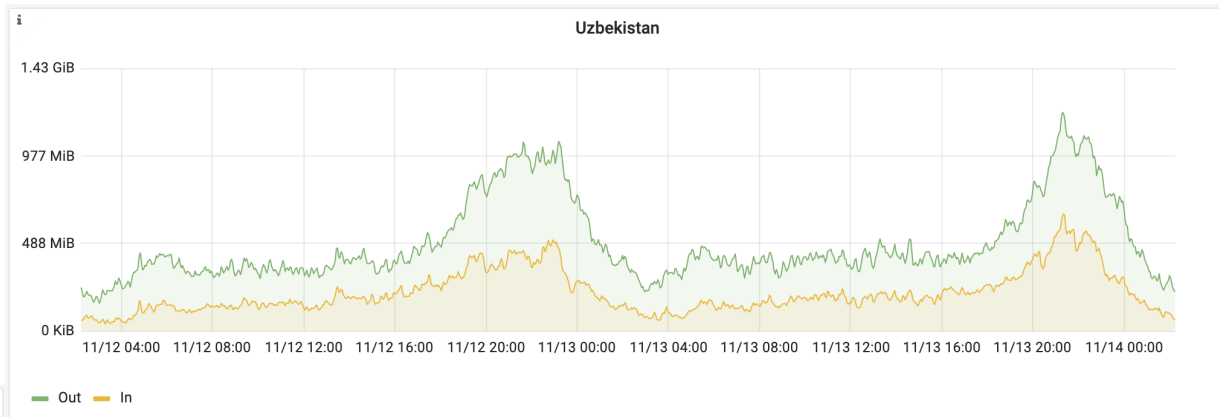
Kazakhtelecom

Beeline KZ

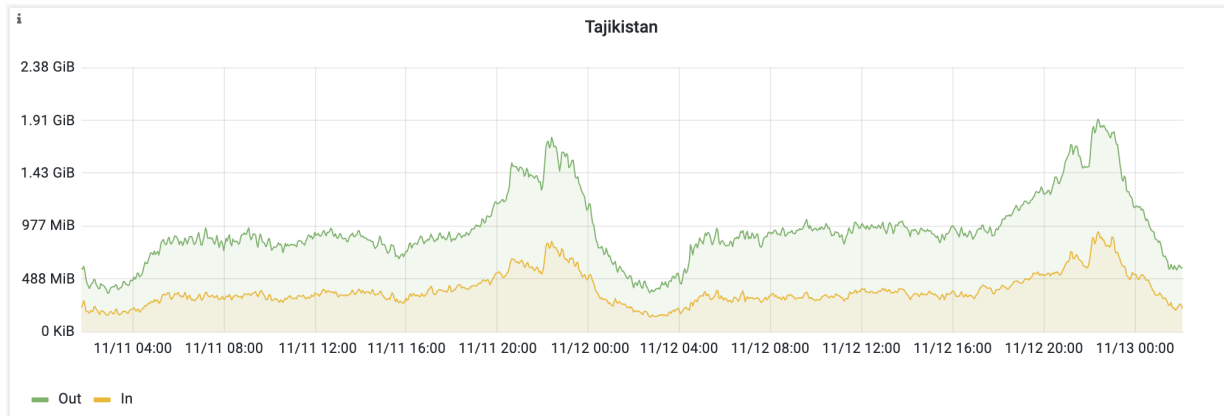
Tele2 KZ

KCell

SNS-IX



TT-Mobile





Questions?