



Russia – 2016 Year in Review

IP Traffic

- In Russia, IP traffic reached 2.7 Exabytes per month in 2016, up from 2.0 Exabytes per month in 2015.
- Russia's IP traffic grew 36% in 2016.
- Russia's IP networks carried 90 Petabytes per day in 2016, up from 66 Petabytes per day in 2015.
- In Russia, IP traffic reached an annual run rate of 32.7 Exabytes in 2016, up from an annual run rate of 24.1 Exabytes in 2015.
- Russia's IP traffic in 2016 was equivalent to 8 billion DVDs per year, 682 million DVDs per month, or 934,342 DVDs per hour.
- In Russia, IP traffic reached 19.0 Gigabytes per capita in 2016, up from 14.0 Gigabytes per capita in 2015.
- In Russia, average IP traffic reached 8 Tbps in 2016, and busy hour traffic was 28 Tbps.
- Last year, the gigabyte equivalent all movies ever made crossed Russia's IP networks every 2 hours.
- Russian IP traffic in 2016 was equivalent to 83x the volume of Russian IP traffic in 2005.

Internet Traffic

- In Russia, average Internet traffic grew 37% in 2016.
- In Russia, peak Internet traffic grew 57% in 2016.
- In Russia, Internet traffic reached 2.4 Exabytes per month in 2016, up from 1.7 Exabytes per month in 2015.
- Russia's Internet traffic was 80 Petabytes per day in 2016, up from 57 Petabytes per day in 2015.
- Russia's Internet traffic in 2016 was equivalent to 7 billion DVDs per year, 589 million DVDs per month, or 807,091 DVDs per hour.

- In 2016, the gigabyte equivalent of all movies ever made crossed the Internet every 2 hours.
- Russian Internet traffic in 2016 was equivalent to 96x the volume of the entire Russian Internet in 2005.
- In Russia, Internet traffic reached 16.4 Gigabytes per capita in 2016, up from 12.0 Gigabytes per capita in 2015.
- In Russia, average Internet traffic reached 7 Tbps in 2016.
- In Russia, busy hour Internet traffic reached 24 Tbps in 2016.

Wi-Fi Traffic

- Russia's Fixed/Wi-Fi IP traffic grew 33% in 2016.

Wired Traffic

- Russia's Fixed/Wired IP traffic grew 36% in 2016.

Mobile Traffic

- Russia's mobile data traffic grew 50% in 2016.

Video Traffic

- In Russia, IP video was 62% of all IP traffic in 2016, up from 57% in 2015.
- In Russia, Internet video traffic was 61% of all consumer Internet traffic in 2016, up from 56% in 2015.
- In Russia, 135 billion minutes of video content crossed the Internet each month in 2016, up from 124 billion in 2015.
- In Russia, 135 billion minutes (257,087 years) of video content crossed the Internet each month in 2016. That's 51,417 minutes of video streamed or downloaded every second.

Devices

- In Russia, there were 520.2 million networked devices in 2016, up from 488.7 million in 2015.
- In Russia, there were 3.6 networked devices per capita in 2016, up from 3.4 per capita in 2015.

Broadband Speed Evolution

- In Russia, the average fixed broadband speed grew 6% from 2015 to 2016, from 28.3 Mbps to 30.1 Mbps.
- In Russia, 83% of broadband connections were faster than 5 Mbps in 2016.
- In Russia, 67% of broadband connections will be faster than 10 Mbps in 2016.

Traffic per User and Household

- In Russia, the average Internet user generated 20.8 Gigabytes per month in 2016, up 33% from 15.7 Gigabytes per month in 2015.
- In Russia, the average Internet household generated 47.2 Gigabytes per month in 2016, up 33% from 35.5 Gigabytes per month in 2015.
- In Russia, Internet video traffic grew 50%, and is now 83% of all consumer Internet traffic.

- In Russia, there were 871,660 Internet households (3.0% of all Internet households) generating more than 250 Gigabytes per month in 2016, up from 558,096 in 2015.
- In Russia, there were 290,553 Internet households (1.0% of all Internet households) generating more than 500 Gigabytes per month in 2016, up from 279,048 in 2015.