



## South Africa - 2016 Year in Review

### IP Traffic

- In South Africa, IP traffic reached 355 Petabytes per month in 2016, up from 256 Petabytes per month in 2015.
- South Africa's IP traffic grew 39% in 2016.
- South Africa's IP networks carried 12 Petabytes per day in 2016, up from 8 Petabytes per day in 2015.
- In South Africa, IP traffic reached an annual run rate of 4.3 Exabytes in 2016, up from an annual run rate of 3.1 Exabytes in 2015.
- South Africa's IP traffic in 2016 was equivalent to 1 billion DVDs per year, 89 million DVDs per month, or 121,654 DVDs per hour.
- In South Africa, IP traffic reached 6.5 Gigabytes per capita in 2016, up from 4.7 Gigabytes per capita in 2015.
- In South Africa, average IP traffic reached 1 Tbps in 2016, and busy hour traffic was 4 Tbps.
- Last year, the gigabyte equivalent all movies ever made crossed South Africa's IP networks every 16 hours.
- South African IP traffic in 2016 was equivalent to 43x the volume of South African IP traffic in 2005.

### Internet Traffic

- In South Africa, average Internet traffic grew 36% in 2016.
- In South Africa, peak Internet traffic grew 55% in 2016.
- In South Africa, Internet traffic reached 302 Petabytes per month in 2016, up from 222 Petabytes per month in 2015.
- South Africa's Internet traffic was 10 Petabytes per day in 2016, up from 7 Petabytes per day in 2015.

- South Africa's Internet traffic in 2016 was equivalent to 907 million DVDs per year, 76 million DVDs per month, or 103,485 DVDs per hour.
- In 2016, the gigabyte equivalent of all movies ever made crossed the Internet every 19 hours.
- South African Internet traffic in 2016 was equivalent to 49x the volume of the entire South African Internet in 2005.
- In South Africa, Internet traffic reached 5.5 Gigabytes per capita in 2016, up from 4.1 Gigabytes per capita in 2015.
- In South Africa, average Internet traffic reached 920 Gbps in 2016.
- In South Africa, busy hour Internet traffic reached 3 Tbps in 2016.

### Wi-Fi Traffic

- South Africa's Fixed/Wi-Fi IP traffic grew 37% in 2016.

### Wired Traffic

- South Africa's Fixed/Wired IP traffic grew 35% in 2016.

### Mobile Traffic

- South Africa's mobile data traffic grew 73% in 2016.

### Video Traffic

- In South Africa, IP video was 64% of all IP traffic in 2016, up from 60% in 2015.
- In South Africa, Internet video traffic was 64% of all consumer Internet traffic in 2016, up from 60% in 2015.
- In South Africa, 36 billion minutes of video content crossed the Internet each month in 2016, up from 31 billion in 2015.
- In South Africa, 36 billion minutes (67,741 years) of video content crossed the Internet each month in 2016. That's 13,548 minutes of video streamed or downloaded every second.

### Devices

- In South Africa, there were 119.2 million networked devices in 2016, up from 118.1 million in 2015.
- In South Africa, there were 2.2 networked devices per capita in 2016, up from 2.2 per capita in 2015.

### Broadband Speed Evolution

- In South Africa, the average fixed broadband speed grew 70% from 2015 to 2016, from 3.7 Mbps to 6.3 Mbps.
- In South Africa, 37% of broadband connections were faster than 5 Mbps in 2016.
- In South Africa, 16% of broadband connections will be faster than 10 Mbps in 2016.

### Traffic per User and Household

- In South Africa, the average Internet user generated 6.1 Gigabytes per month in 2016, up 23% from 4.9 Gigabytes per month in 2015.
- In South Africa, the average Internet household generated 15.3 Gigabytes per month in 2016, up 25% from 12.2 Gigabytes per month in 2015.
- In South Africa, Internet video traffic grew 44%, and is now 99% of all consumer Internet traffic.
- In South Africa, there were 142,380 Internet households (1.5% of all Internet households) generating more than 250 Gigabytes per month in 2016, up from 91,172 in 2015.
- In South Africa, there were 47,460 Internet households (0.5% of all Internet households) generating more than 500 Gigabytes per month in 2016, up from 22,793 in 2015.