



## Chile - 2020 Forecast Highlights

### IP Traffic

- In Chile, IP traffic will grow 3-fold from 2015 to 2020, a compound annual growth rate of 21%.
- In Chile, IP traffic will reach 659 Petabytes per month in 2020, up from 250 Petabytes per month in 2015.
- Chile's IP networks will carry 22 Petabytes per day in 2020, up from 8 Petabytes per day in 2015.
- In Chile, IP traffic will reach an annual run rate of 7.9 Exabytes in 2020, up from an annual run rate of 3.0 Exabytes in 2015.
- In Chile, IP traffic will reach 35 Gigabytes per capita in 2020, up from 14 Gigabytes per capita in 2015.
- In 2020, the gigabyte equivalent of all movies ever made will cross Chile's IP networks every 9 hours.

### Internet Traffic

- In Chile, Internet traffic will grow 2.6-fold from 2015 to 2020, a compound annual growth rate of 21%.
- In Chile, Internet traffic will reach 567 Petabytes per month in 2020, up from 220 Petabytes per month in 2015.
- Chile's Internet traffic will be 19 Petabytes per day in 2020, up from 10 Petabytes per day in 2015.
- Chile's Internet traffic in 2020 will be equivalent to 2 billion DVDs per year, 142 million DVDs per month, or 194,119 DVDs per hour.
- In 2020, the gigabyte equivalent of all movies ever made will cross the Internet every 10 hours.
- In Chile, Internet traffic will reach 30 Gigabytes per capita in 2020, up from 12 Gigabytes per capita in 2015.
- In Chile, average Internet traffic will increase 2.6-fold by 2020 and will reach 2 Tbps.

### Wired Wi-Fi and Mobile Growth

- Chile's Fixed/Wi-Fi was 68% of total IP traffic in 2015, and will be 63% of total IP traffic in 2020.
- Chile's Fixed/Wired was 27% of total IP traffic in 2015, and will be 24% of total IP traffic in 2020.
- Chile's Mobile was 5% of total IP traffic in 2015, and will be 12% of total IP traffic in 2020.
- Chile's Fixed/Wi-Fi was 73.6% of total Internet traffic in 2015, and will be 71.8% of total Internet traffic in 2020.
- Chile's Fixed/Wired was 21% of total Internet traffic in 2015, and will be 14% of total Internet traffic in 2020.
- Chile's Mobile was 5.8% of total Internet traffic in 2015, and will be 14.5% of total Internet traffic in 2020.

### IP Video

- In Chile, IP video traffic will grow 4-fold from 2015 to 2020, a compound annual growth rate of 29%.
- In Chile, IP video traffic will reach 515 Petabytes per month in 2020, up from 146 Petabytes per month in 2015.
- In Chile, IP video will be 78% of all IP traffic in 2020, up from 58% in 2015.
- In Chile, Ultra HD will be 7.0% of IP Video traffic in 2020, up from 0.4% in 2015 (123.7% CAGR).
- In Chile, HD will be 66.8% of IP Video traffic in 2020, up from 43.0% in 2015 (40.5% CAGR).
- In Chile, SD will be 26.2% of IP Video traffic in 2020, compared to 56.6% in 2015 (10.3% CAGR).
- In Chile, consumer IP video traffic will be 82% of consumer IP traffic in 2020, up from 65% in 2015.
- In Chile, business IP video traffic will be 62% of business IP traffic in 2020, up from 38% in 2015.

### Internet Video

- In Chile, Internet video traffic will grow 3-fold from 2015 to 2020, a compound annual growth rate of 28%.
- In Chile, Internet video traffic will reach 430 Petabytes per month in 2020, up from 124 Petabytes per month in 2015.
- In Chile, total Internet video traffic (business and consumer, combined) will be 76% of all Internet traffic in 2020, up from 56% in 2015.
- In Chile, Ultra HD will be 7.8% of Internet video traffic in 2020, up from 0.5% in 2015 (121.3% CAGR).
- In Chile, HD will be 70.4% of Internet video traffic in 2020, up from 45.1% in 2015 (40.2% CAGR).
- In Chile, SD will be 21.8% of Internet video traffic in 2020, compared to 54.4% in 2015 (6.7% CAGR).
- In Chile, consumer Internet video traffic will be 79% of consumer Internet traffic in 2020, up from 61% in 2015.
- In Chile, business Internet video traffic will be 63% of business Internet traffic in 2020, up from 39% in 2015.
- In Chile, Internet-Video-to-TV traffic will be 15% of fixed consumer Internet video traffic in 2020, up from 9% in 2015.
- In Chile, Internet-Video-to-TV traffic will increase 5-fold between 2015 and 2020 (39.3% CAGR).
- In Chile, 7 billion minutes (12,434 years) of video content will cross the Internet each month in 2020. That's 2,487 minutes of video streamed or downloaded every second.
- In Chile, 47% of all Internet video traffic will cross content delivery networks in 2020, up from 45% in 2015.
- In Chile, 40% of all Internet traffic will cross content delivery networks in 2020, up from 28% in 2015.

## IP VOD

- In Chile, Ultra HD will be 3.1% of IP VOD traffic in 2020, up from 0.0% in 2015 (208.3% CAGR).
- In Chile, HD will be 53.3% of IP VOD traffic in 2020, up from 37.4% in 2015 (42.8% CAGR).
- In Chile, SD will be 43.7% of IP VOD traffic in 2020, compared to 62.6% in 2015 (23.8% CAGR).

## Gaming

- In Chile, Internet gaming traffic will grow 7-fold from 2015 to 2020, a compound annual growth rate of 47%.
- In Chile, Internet gaming traffic will reach 430 Petabytes per month in 2020, up from 124 Petabytes per month in 2015.
- In Chile, Internet gaming traffic will be 6% of consumer Internet traffic in 2020, up from 2% in 2015.

## Mobile

- In Chile, mobile data traffic will grow 6-fold from 2015 to 2020, a compound annual growth rate of 45%.
- In Chile, mobile data traffic will reach 82 Petabytes per month in 2020, up from 13 Petabytes per month in 2015.
- Chilean mobile data traffic will grow 2 times faster than Chilean fixed IP traffic from 2015 to 2020.
- Chile's Mobile was 5% of total IP traffic in 2015, and will be 12% of total IP traffic in 2020.

## Devices

- In Chile, there will be 83.8 million networked devices in 2020, up from 55.7 million in 2015.
- In Chile, there will be 4.4 networked devices per capita in 2020, up from 3.1 per capita in 2015.
- In Chile, 45% of all networked devices will be mobile-connected in 2020.
- In Chile, M2M modules will account for 29% (24.4 million) of all networked devices in 2020, compared to 17% (9.7 million) in 2015, (20.3% CAGR).
- In Chile, PCs will account for 10% (8.3 million) of all networked devices in 2020, compared to 19% (10.6 million) in 2015, (-4.7% CAGR).
- In Chile, Tablets will account for 4% (3.6 million) of all networked devices in 2020, compared to 4% (2.1 million) in 2015, (11.8% CAGR).
- In Chile, Smartphones will account for 30% (24.9 million) of all networked devices in 2020, compared to 24% (13.6 million) in 2015, (12.8% CAGR).
- In Chile, Connected TVs will account for 18% (14.9 million) of all networked devices in 2020, compared to 10% (5.6 million) in 2015, (21.5% CAGR).
- In Chile, Non-Smartphones will account for 3.2% (2.7 million) of all networked devices in 2020, compared to 21% (11.5 million) in 2015, (-25.3% CAGR).
- In Chile, Other Portables will account for 6% (5.0 million) of all networked devices in 2020, compared to 5% (2.6 million) in 2015, (13.9% CAGR).
- In Chile, 4K TVs will account for 21% (1.9 million) of all flat panel TVs in 2020, compared to 2.3% (52,970) in 2015, (103.7% CAGR).
- Chile's IP traffic from non-PC devices was 23% of total IP traffic in 2015, and will be 53% of total IP traffic in 2020.

- In Chile, PCs accounted for 77% of IP traffic in 2015, and will be 47% of IP traffic in 2020.
- In Chile, TVs accounted for 10% of IP traffic in 2015, and will be 17% of IP traffic in 2020.
- In Chile, Smartphones accounted for 6% of IP traffic in 2015, and will be 22% of IP traffic in 2020.
- In Chile, Tablets accounted for 6% of IP traffic in 2015, and will be 12% of IP traffic in 2020.
- In Chile, M2M modules accounted for 0.6% of IP traffic in 2015, and will be 1.9% of IP traffic in 2020.
- In Chile, PCs accounted for 80% of consumer Internet traffic in 2015, and will be 51% of consumer Internet traffic in 2020.
- In Chile, TVs accounted for 4% of consumer Internet traffic in 2015, and will be 8% of consumer Internet traffic in 2020.
- In Chile, TVs accounted for 3% of total Internet traffic in 2015, and will be 6% of total Internet traffic in 2020.

### Speed Evolution

- In Chile, the average fixed broadband speed will grow 1.8-fold from 2015 to 2020, from 15.5 Mbps to 27.8 Mbps.
- In Chile, 90% of fixed broadband connections will be faster than 5 Mbps in 2020, up from 71% today.
- In Chile, 75% of fixed broadband connections will be faster than 10 Mbps in 2020, up from 51% today.
- In Chile, 34.2% of fixed broadband connections will be faster than 25 Mbps in 2020, up from 19.2% today.
- In Chile, 18.4% of fixed broadband connections will be faster than 50 Mbps in 2020, up from 4.7% today.
- In Chile, the average Wi-Fi speeds from mobile devices will grow 2.0-fold from 2015 to 2020, from 9.3 Mbps to 19 Mbps.
- In Chile, the average mobile connection speed will grow 3-fold from 2015 to 2020, reaching 6 Mbps in 2020.

### Traffic per User and Household

- In Chile, the average Internet user will generate 43.8 gigabytes of Internet traffic per month in 2020, up 99% from 22.1 gigabytes per month in 2015, a CAGR of 15%.
- In Chile, the average Internet household will generate 116.8 gigabytes of Internet traffic per month in 2020, up 92% from 60.9 gigabytes per month in 2015, a CAGR of 14%.
- In Chile, the average FTTx Internet household will generate 258.0 gigabytes of Internet traffic per month in 2020, 133.5% more than other broadband households.
- In Chile, the average FTTx Internet household generated 159.0 gigabytes of Internet traffic per month in 2015, 160.4% more than other broadband households.
- In Chile, there will be 619,829 Internet households (19.0% of all Internet households) generating more than 250 gigabytes per month in 2020.
- In Chile, there will be 163,113 households (5.0% of all Internet households) generating more than 500 gigabytes per month in 2020.
- In Chile, there will be 32,623 households (1.0% of all Internet households) generating more than a terabyte per month in 2020.
- In Chile, the average mobile connection will generate 2,568 megabytes of mobile data traffic per month in 2020, up from 476 megabytes in 2015.