Many large global CAPs are based in North America, and investment in the region continues to grow.

Total spend by CAPs on internet infrastructure over various periods since 2011:

- 2011: $29 billion
- 2012: $29 billion
- 2013: $112 billion
- 2014: $112 billion
- 2015: $112 billion
- 2016: $112 billion
- 2017: $171 billion
- 2018: $312 billion
- 2019: $312 billion
- 2020: $312 billion
- 2021: $312 billion

Examples of investment drivers by cluster:

**HOSTING**

Growth in cloud zones for five main cloud providers:
- Google
- Microsoft
- Amazon
- Alibaba
- Tencent

- 2018 cloud zones: 60
- 2022 cloud zones: 89

The number of cloud zones for five main cloud providers grew by 48% between 2018 and 2022.

**TRANSPORT**

Growth in submarine cables with CAP investors that will be ready for service will be 160% higher in 2022 compared to 2018:
- RFS by 2018: 5
- RFS by 2022: 13
- RFS by 2024: 17

**DELIVERY**

Growth in private peering locations for five main CAPs:
- Google
- Microsoft
- Meta
- Amazon
- Netflix

- 2018 private peering locations: 122
- 2022 private peering locations: 171

The number of private peering locations for five main CAPs grew by 40% between 2018 and 2022.

ISPs can achieve cost savings as a result of investments that CAPs make to bring traffic closer to end users, in two main areas:

- CAP investments that enable ISPs to access content at domestic peering locations
- CAP investments to cache content within ISP networks

An estimated USD670 million can be saved by fixed network ISPs in North America in 2022, as a result of investments made by CAPs.

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1. Number of cloud availability zones. Sourced from cloud provider websites in mid-2018 and mid-2022.
2. Examples of submarine cables with direct CAP investors. Sourced from TeleGeography Submarine Cable Map mid-2022. ‘RFS’ refers to ‘ready for service’. Submarine cables frequently connect different regions, and adding the figures presented across regions can result in double counting.
3. Number of private peering locations. Sourced from PeeringDB in mid-2018 and mid-2022. Please note that the growth in traffic at private peering locations is significantly faster than the growth in number of private peering locations.
For more details please see:

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