how the INTERNET gets to YOUR HOME

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Many submarine fiber optic cables constitute what we today know as our global internet. As of 2021, there are about 426 submarine cables. The cables that arrive in our country are distributed into states and cities by government or private third parties, usually telecommunications or technology companies.

In large coastal cities the internet connection can be sent directly to homes and offices. The connection is redistributed by companies so that more distant cities can receive the internet. However, some places receive less internet access or no access at all, because the infrastructure needed to redistribute these internet connections is not profitable for companies. Companies providing the infrastructure view internet access as a product for profit rather than a human right.

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The internet is taken for granted, but it is a physical network and can become inaccessible. Submarine cables can break or the connection can be interrupted by government requests to telecommunications companies, such as happens in some countries during popular uprisings or election periods.

The fiber optic cable connects the internet to your home or office modem/router which allows you to access the global internet. Your modem/router stores the following information: IP address (Internet Protocol address - your device's internet address), MAC address (Media Access Card, contains data from the device used to access the internet), time of use, sites visited, and the amount of data transmitted and received.

Therefore, it's important to know how the internet works so we can create strategies to protect and defend our rights to communicate and access information.

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During a power failure, your modem will not work and you will lose access to the internet. If you have a cell phone, you might be able to access the internet through signals from cell phone towers or satellites. Signals from cell phone towers and satellites are distributed by antennas linked to the internet through fiber optic cables. Because satellite connections depend on clear skies, these connections are often more unreliable.



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For more information, go to: https://acaravana.tech

