

# Welcome aboard!

We're taking you on a voyage across the network that is the backbone of Google Cloud.  
**The S.S. Deep Sea Data** is ready to cast away.

## 1 Anchors aweigh!

Sydney, Singapore or South Carolina?  
We have **100+ Points of Presence** spread over 35 countries, connecting users all over the world.

### Fun fact:

Google's private network operates at over 1Pb/sec—it could transfer the entire scanned contents of the Library of Congress in 0.1 seconds.

## 2 Ahoy!

The galley is now serving cold potatoes! Cold potato routing, that is. **Cold Potato** means traffic stays on Google's high speed network for as long as possible, before handing it off.

### Fun fact:

Potatoes aren't just for making crisp curly fries. Potato starch generates electricity and could power your Wi-Fi router.

## 3 All hands on deck.

The Google Cloud Network has Dedicated Interconnect at **72 locations** and several worldwide partners to connect on-prem data centers to public cloud. Interconnect makes connecting to Google Cloud smooth sailing.

### Fun fact:

Each glass fiber in the fiber optic cable is the size of a strand of hair.

## 4 Full speed ahead.

Google's network guarantees bandwidth and performance with **6 transpacific and 4 transatlantic network routes, plus 2 private subsea cables on the way.**

### Fun fact:

Dun-dun. Dun-dun. You won't see our subsea cables on Shark Week. The biggest threat to subsea cables is actually fishing anchors, not shark attacks.

## 5 Look, a giant spider crab!

We care about deep sea creatures and we strive to do our part to protect the planet by matching **100% of the energy we use with renewable energy.**

### Fun fact:

A utility company in Iceland is turning carbon emissions into stone! Iceland is now home to the first carbon negative power plant in the world.

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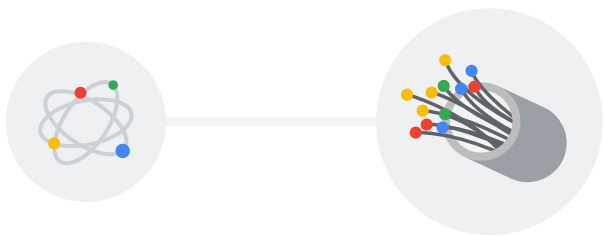
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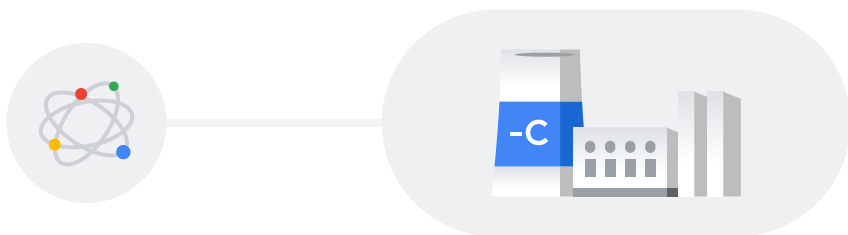
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