

How Big is an Exabyte?

An exabyte...

Is a unit of computer data storage that exceeds megabytes, gigabytes, and terabytes.

In fact...

1 Exabyte =

1,000,000,000

Gigabytes (1 billion)

or =

1,000,000,000,000

Megabytes (1 trillion)



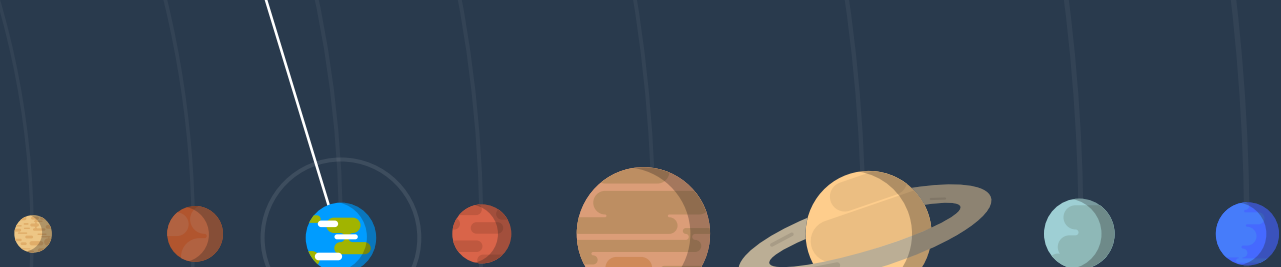
To put that into perspective...

Most **smartphones** come with about **64GB** of built-in storage.



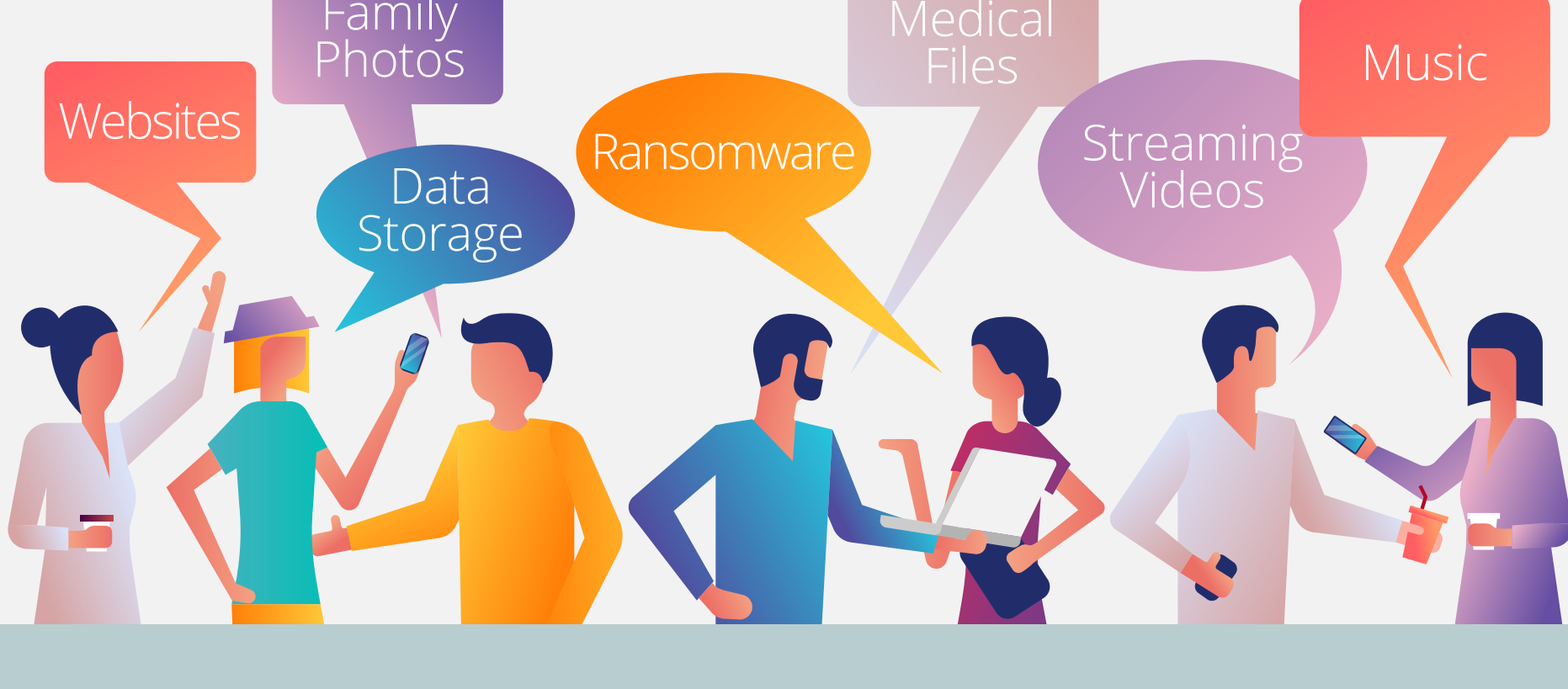
That is **.0000000064** of an exabyte.

If one **gigabyte** is the size of Earth,



then an **exabyte** is the size of the sun.

Some have speculated that **5 exabytes** likely equals all of the words ever spoken by humans.



To have recorded 1 exabyte of data, you would have to have started a video call **237,823 years ago**.



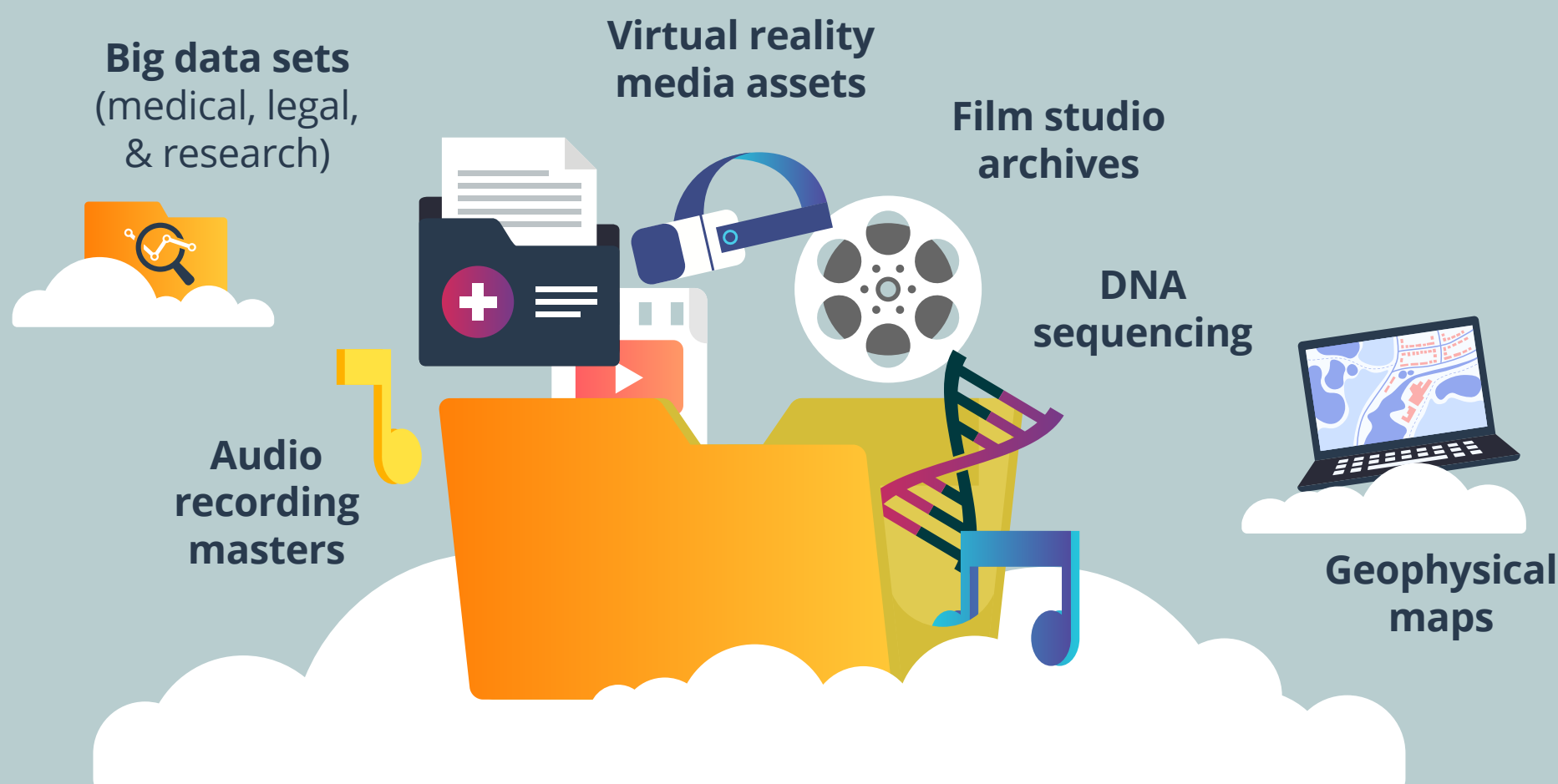
That's about the time modern homo sapiens emerged on the planet.

And since normal web browsing uses about **20 megabytes every hour**, An office of 100 people would have to **search the web for 57,077 years** to reach an exabyte of data.



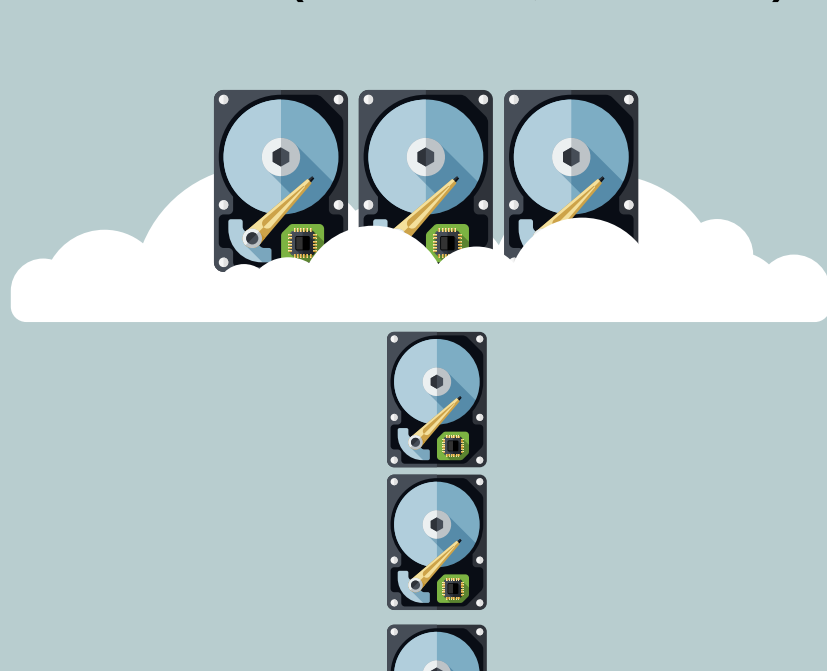
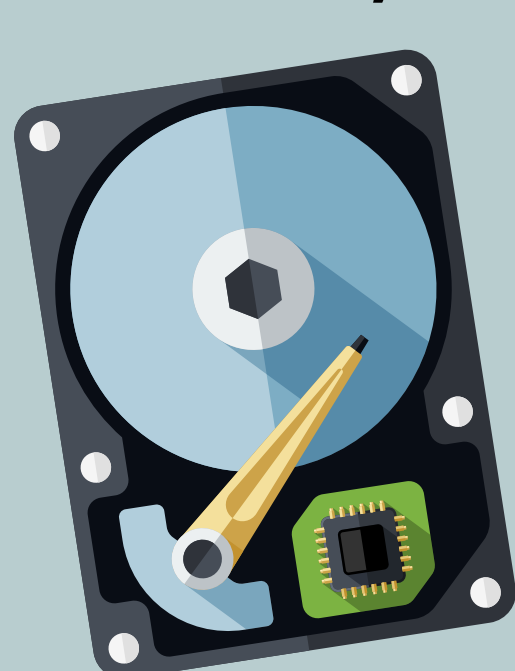
Backblaze is one of only a handful of companies that has surpassed storing one exabyte of data in the cloud.

The data stored includes...



...and more!

In order to store all of that data, Backblaze uses **122,658 hard drives** (as of Q4 2019).



Data Storage is Critical

Billions of people rely on more than **2.5 quintillion bytes of data** generated every day.



By 2025, that number is expected to climb to **463 exabytes** generated daily.

All of that data needs somewhere to go.

That's why the world needs affordable, reliable data storage.



BACKBLAZE