The Google File System



Google

- American search engine company
- Over 70% of worldwide online search requests are handled by Google
- "Just Google it"
- Sites with more links = more valuable
 - Not just commonly found words

Google File System (GFS)

- Vast amount of information
 - Short time
- Simple = Better
- Cheap hardware
- Clients, masterservers, chunkservers
 - All files \rightarrow 64 megabytes of storage



Why Google File System is a Good Choice

Advantages

- Fast background recovery
- Highly durable
- Maximize storage efficiency

Disadvantages

Lots of hardware → more

Cheap hardware

What About Others?

- O Bing
 - Microsoft
 - Launched in 2009
 - Similar to Google
- Yahoo
 - 3rd in terms of market snare
 - Popular in the 90s and early 2000s



Google File System

- Scalable
 - Fulfills demands of a growing company
- Second Second
- Small Large networks
- Handles enormous volumes of data

Conclusion

- Smart way
- © Easier to maintain, access, and fix data/hardware

References

- 1. https://www.britannica.com/topic/Google-Inc
- https://computer.howstuffworks.com/internet/basics/google-file-system.htm
- 3. https://cloud.google.com/blog/products/storage-data-transfer/a
 -peek-behind-colossus-googles-file-system
- 4. https://www.monsterinsights.com/alternative-search-engines/
- 5. https://www.geeksforgeeks.org/google-file-system/

Picture References

- 1. https://iconarchive.com/show/plex-icons-by-cornmanthe3rd/System-explorer-icon.html
- 2. https://searchengineland.com/google-search-share-stable-bing-c
 ontinues-cannibalize-yahoo-187124

