Your manager narrowed the scope of this inquiry to those systems supported on the Hadoop Distributed File System (HDFS). Specifically, you should focus on the comparative impacts on IT telemetry and technical debt under two scenarios—using Kimball and Inmon methods.

You should return and report with a 3–5 paragraph report that clearly **explains when and why you vertically scale verses when you horizontally scale**. Focus on the key details that will let you deliver a succinct answer. Remember, management wants to make a decision on whether they should vertically scale or horizontally scale a massively concurrent application space.

For the paper, you will be looking at the differences between vertical and horizontal scaling.  To guide you on your paper, you should look at the answers to the following questions for your paper:

* How does horizontal scaling differ from vertical scaling?
* Hadoop Distributed File System (HDFS)
  + What components of the Hadoop Distributed File System allow for horizontal scaling?
  + How do these components help to ease the challenges of working with distributed data?
* **Vertical Scaling**
  + What are the pros of vertical scaling?
  + What are the limits of vertical scaling?
  + When should a company choose vertical scaling?
* **Horizontal Scaling**
  + What are the pros of horizontal scaling?
  + What are the limits of horizontal scaling?
  + When should a company choose horizontal scaling?
* Management wants a clear answer on whether it should focus on vertical scaling or horizontal scaling.  What is your recommendation to them and why?  How does the term "massively concurrent application space" in the assignment impact that?

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