**TEAM 61 - Project Milestone 1**

"There are [2.5 quintillion bytes of data](https://www.domo.com/learn/data-never-sleeps-5?aid=ogsm072517_1&sf100871281=1) created each day at our current pace, but that pace is only accelerating with the growth of the Internet of Things (IoT). Over the last two years alone 90 percent of the data in the world was generated" (Bernard Marr). As, relational databases do not scale well with data because of the expensive hardware needed to grow the infrastructure vertically. Thus, NoSQL can be used to deal with large amounts of data.

NoSQL can be used to provide built in high availability as they can build more copies of the database accurately and are able to perform in an event if one or more components of the infrastructure fails. NoSQL lacks in hybrid and multi cloud relocation as explained in this Article.

As relational databases are widely used a lot of legacy systems are based on them. The use of Software Defined Storage (SDS) will justify the use of SQL on hybrid cloud infrastructure as mentioned in this article.

Work Cited

Marr, Bernard. “How Much Data Do We Create Every Day? The Mind-Blowing Stats Everyone Should Read.” *Forbes*, Forbes Magazine, 5 Sept. 2019, [www.forbes.com/sites/bernardmarr/2018/05/21/how-much-data-do-we-create-every-day-the-mind-blowing-stats-everyone-should-read/](http://www.forbes.com/sites/bernardmarr/2018/05/21/how-much-data-do-we-create-every-day-the-mind-blowing-stats-everyone-should-read/).

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