**Requirements: Infra, HR, software, etc**

**infrastructure and software**

**F**LASH STORAGE:

Coca-Cola already possess enough storage in-house to support a Big Data initiative. However, we may decide to invest in storage solutions that are optimized for Big Data. While not necessary for all Big Data deployments, flash storage is especially attractive due to its performance advantages and high availability.

Software: Hadoop or Cassandra

Large users of Big Data — companies like Coca-cola — utilize hyperscale computing environments, which are made up of commodity servers with direct-attached storage, run frameworks like Hadoop or Cassandra and often use PCIe-based flash storage to reduce latency. For example: in our business case, we have tons of data that we need to analyze and collect such as the coefficient of the coca-cola new product Acceptance, the rate of the new flavor acceptance, etc.

Cloud Storage:

Also, we are going to use Cloud storage as an option for disaster recovery and backups of on-premises Big Data solutions. For our business case, we are going to store the more important datasets such as the update of our new product’s reputation .

Other support:

Since our Database is huge, so we need to have a huge processing power to support our data analytics. Splunk company is what we choose for it, they could offer cloud processing options, which can be especially attractive us that experience seasonal peaks. For example. In our case, the coca-cola research data which we need to analyze Before Q1 might securely spin up on-demand processing power in the cloud to process the wave of data that comes in around those dates, while relying on on-premises processing resources to handle the steadier, day-to-day demands.

Human requirements:

Since our project are divided by 4 parts. During the first part. We would like to have the people to collect all the research data of coca-cola and make it become an database. Then we need people to do the business model which means extract the useful features from the database we previous made it and put it in the model. In the end, there are a group of people are going to predict and analyze the risk , benefit and reputation. Then decide if our new product can increase our reputation during the group of the children or not.