

## Module 5 – MongoDB Administration

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### Case Study - 2

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## Business Requirement

You are working on Contract for a Grocery Store Company which is in Middle East. Your expertise is needed to help them in designing their product catalog store. Products are in millions and your task is to design scalable catalog system.

In previous case study while fetching data by various product attributes your manager observed it is taking too much time and you solved it by using proper Indexing.

Now number of write operations got increased drastically because that instance stopped responding. Due to which the application was neither able to read nor able to write.

You must come up with cluster configuration of Mongo DB where there will be one Primary and 2 Secondary nodes be present.

Primary is responsible for writing of any data to Mongo. Secondary is responsible for reading data.

## Key issues

More products attributes can be added anytime.

## Considerations

You have given various attributes of a Product.

1. Poid
2. Supc
3. Brand
4. Description
5. Size
6. Category
7. Sub Category
8. Price
9. Quantity
10. Country
11. Seller Code
12. Creation time
13. Stock

## Data Volume

1 million products

## Business Benefits

If the Catalog is more scalable then more and more vendors can be on boarded which will results in varieties of products with different prices. Customer will have more choices and chance to purchase from Grocery Store.

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