

# Nosql Data Management

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## CHAPTER-2

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# Introduction to NoSQL

## What is NoSQL?

- NoSQL is non-relational database management system.
- A NoSQL database provides a mechanism for storage and retrieval of data that is modeled in means other than the tabular relations used in relational databases.
- It is a type of Non-Relational Database system.
- It follows CAP theorem rather than ACID properties of RDBMS.





## Why and when NoSql should be used ?

- The Traditional database is more predictable and preferable for Structured data.
- But, NoSQL is preferable for handling unstructured type of data . Unstructured data is type of data which has no proper format this type of data is generated by machine and humans in the form of satellite image, social media, mobile data, web-content etc
- NoSQL has high performance with high availability, and offers rich query language and easy scalability compared to SQL(RDBMS)

*Why NoSQL is needed today most ???*

