New Big Data technologies  versus traditional Relational Database Management Systems - is the future coexistence or replacement?

There has been an exponential increase in all formats of data captured in recent years - it has been estimated that the demand for data storage, analysis and communication will double every 2 years. Typically companies hold 100s of terabytes of commercial data, added to this is the enormous amount of personal social media data generated in many different formats.

The term Big Data refers to high volume, high velocity, high variety information assests (the three Vs).

This project will study the response to this big data challenge by traditional relational database vendors – such as Oracle and compare their solutions with those database frameworks created specifically to process big data – such as Hadoop open-source – evaluate these alternatives and make some measured predictions about the future of database technologies.