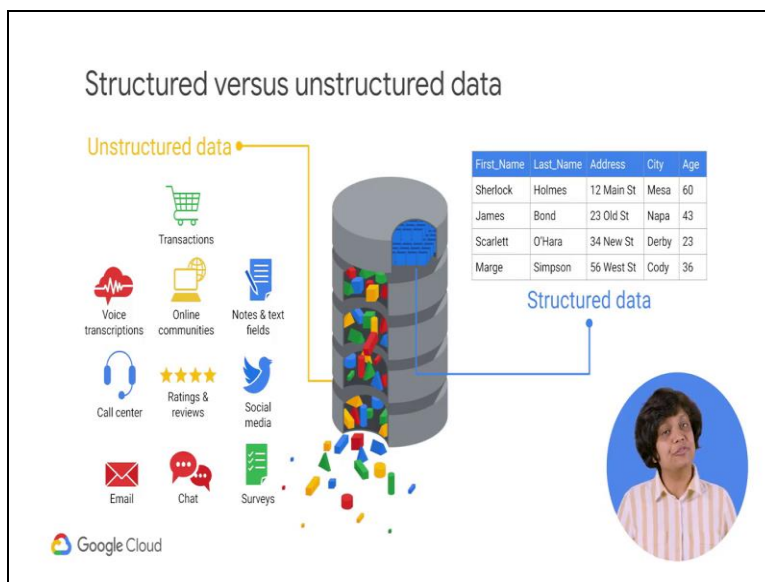


Google Cloud Computing Foundation Course
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Lecture-27
Structured and Unstructured Storage in the Cloud

Now you see the difference between structured and unstructured storage and how to choose between them in the cloud.

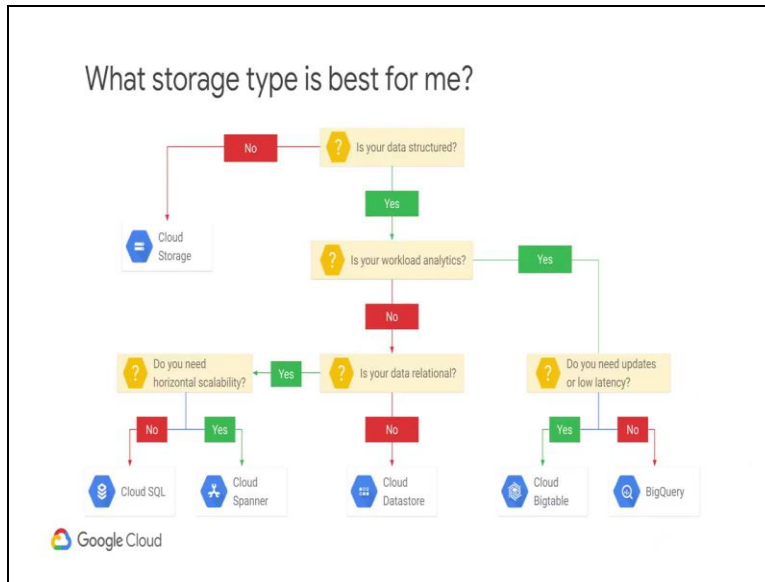
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Structured data is what most people are used to working with and typically fits with the rows and columns in spreadsheets and relational databases and you can expect this data to be organized and clearly defined and it is usually easy to capture and analyze. Examples of structured data would not include name, address, contact number, date and billing information. The benefit of structured data where it can be understood by programming languages and data can be manipulated relatively quickly.

It is estimated that around 80% of all data is unstructured it is far more difficult to process or analyze unstructured data using traditional methods as there is no internal identifier to enable search functions to identify. Unstructured data often includes text and multimedia content for example email, messages, documents, photos, videos, presentations, web pages and so on. Organizations are focusing increasingly on mining unstructured data for inside that provide them the competitive edge.

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This flowchart shows the decision tree for determining based on the use case which stored solution would be utilized. If you need a solution to hold files, log, backlog for example a good unstructured solution is cloud storage. if you need a structured solution and a utilizing workload analytics cloud big query and cloud bigtable are two options. If a relational database is needed, then you can choose either a traditional manage my sequel for postgres sequel database using cloud sequel or horizontally scalable highly available database like clouds spanner.

And if you need a simple no sequel option to use for your application cloud data store is a solid choice. In the topic that follows you learn more about each option.