Bloc: Binary Large Objects with Concurrency

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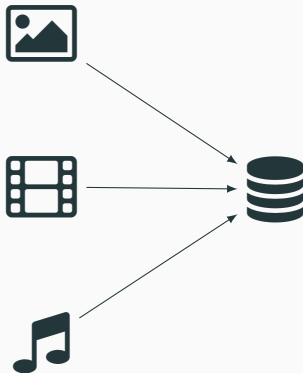Thesis supervisor: Piyush Kurur

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BLOB stands for "Binary Large OBject".

Store the entire content of the blob in the database.

· PostgreSQL breaks large objects into "chunks" and these chunks are stored in rows in the database.

· MongoDB also divides large objects using the GridFS specification and stores them in the "chunks" collection.

Store the blob in a file and store the file name in the database.

- Number and size of blobs are now limited only by the file system.
- Requires to develop an interface to keep track of all the blobs of a database.

We provide a library which will keep track of all the blobs stored in a database.

- All the blobs of a database are stored inside a directory which we also call a BlobStore.

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- Each blob is a stored as a different file inside the BlobStore.