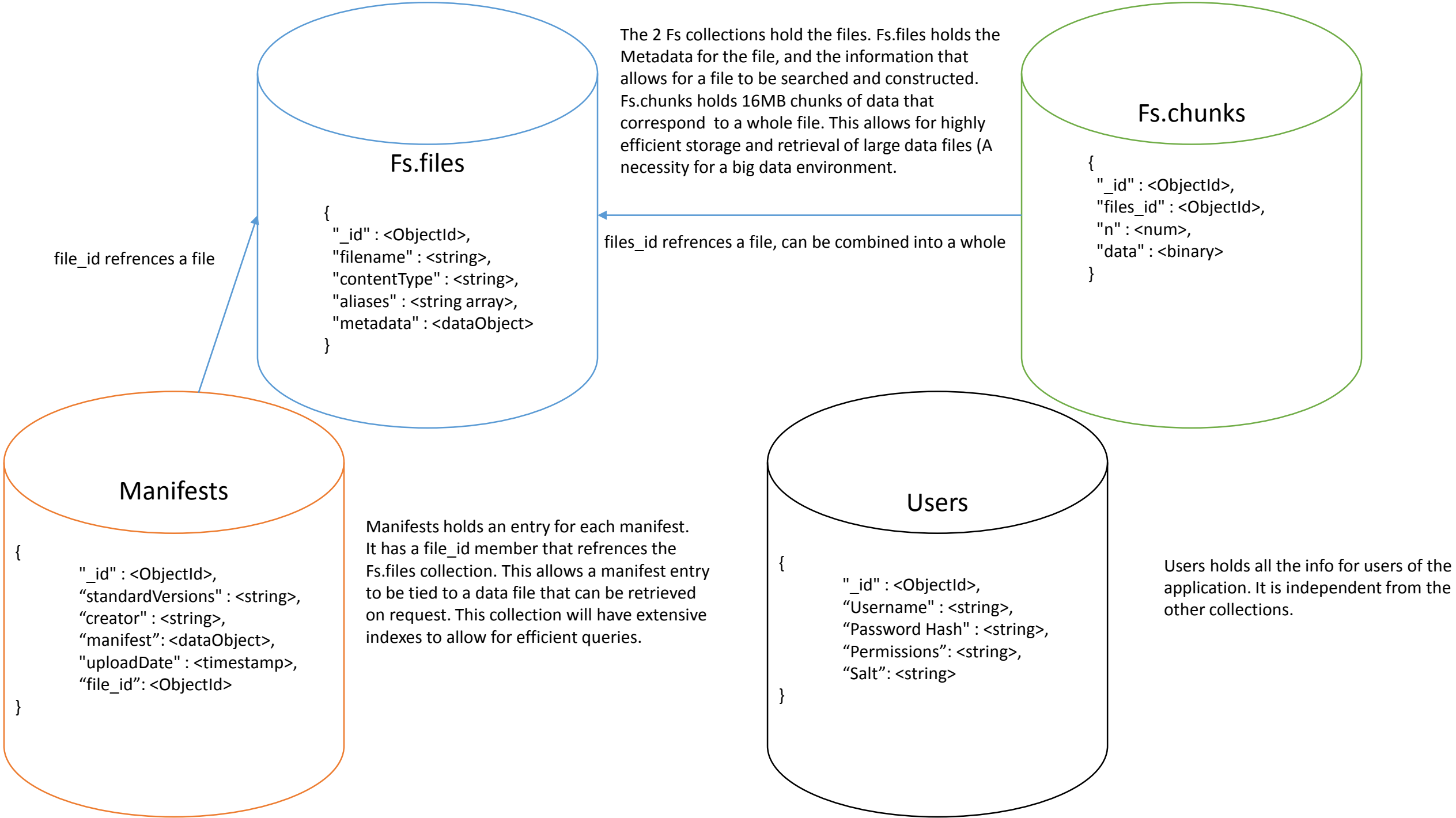
Fs.files
{
"_id" : <ObjectId>,
"filename" : <string>,
"contentType" : <string>,
"aliases" : <string array>,
"metadata" : <dataObject>
}
The 2 Fs collections hold the files. Fs.files holds the Metadata for the file, and the information that allows for a file to be searched and constructed. Fs.chunks holds 16MB chunks of data that correspond to a whole file. This allows for highly efficient storage and retrieval of large data files (A necessity for a big data environment.
Fs.chunks
{
"_id" : <ObjectId>,
"files_id" : <ObjectId>,
"n" : <num>,
"data" : <binary>
}
files_id refrences a file, can be combined into a whole
file_id refrences a file
Manifests
{
"_id" : <ObjectId>,
“standardVersions" : <string>,
“creator" : <string>,
“manifest”: <dataObject>,
"uploadDate" : <timestamp>,
“file_id”: <ObjectId>
}
Manifests holds an entry for each manifest. It has a file_id member that refrences the Fs.files collection. This allows a manifest entry to be tied to a data file that can be retrieved on request. This collection will have extensive indexes to allow for efficient queries.
Users
{
"_id" : <ObjectId>,
“Username" : <string>,
“Password Hash" : <string>,
“Permissions”: <string>,
“Salt”: <string>
}
Users holds all the info for users of the application. It is independent from the other collections.