

# Ideas for genomics project: store and manage genomic files in a safe way [SafeGenome\GenomeBank].

*In a series of posts tagged with [ideas-for-genomics-project](http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project) [http://scalaakka.blogspot.com/search/label/ideas-for-genomics-project] I am describing ideas for business that can be build in area of genomics. If you like those ideas and you would like to join as an investor, co-founder or consultant please contact me at LinkedIn [https://pl.linkedin.com/pub/artur-stanek/a5/643/691] or just drop me an email, [stanek.artur@gmail.com](mailto:stanek.artur@gmail.com) [mailto:stanek.artur@gmail.com] .*

*You may be also interested to check previous post "SafeGenome - introduction and diagram [http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html] ", next post "Filter out what is not needed [http://scalaakka.blogspot.com/2015/10/idea-2-for-genomics-project-allow.html] " or the bigger picture [http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html] .*

**Idea "GenomeBank"** is about associate or store genome file within the system and later manage the file.

Once somebody will have her/his genome scanned (sequenced) file can be kept on GoogleDrive, DropBox or other cloud based 'drives'. In this model there is no way for user to add some additional constraints over that file. Sharing is also black-or-white as you can either share full file or not (more about that in series of posts tagged with [GenomeBroker](http://scalaakka.blogspot.com/search/label/GenomeBroker) [http://scalaakka.blogspot.com/search/label/GenomeBroker] ).

GenomeBank is responsible for hosting genome file. Let's review the list of hosting features that I see in this product:

- user can associate genome file, that in reality is hosted in some could based drive (like GoogleDrive, DropBox, ...),
- user can upload genome file and from this moment it will be hosted by GenomeBank,
- user can buy genome sequencing service in some company and asks it that as a result file should be placed directly in GenomeBank

User is the incontestable owner of the file. Let's see possible constraints that she/he can put over genome file:

- (when buying genome analysis) user allows file to be processed anywhere in the world or just in some specified country/countries (in that case computation over that file will be done by [GenomeComputation](http://scalaakka.blogspot.com/search/label/GenomeComputation) [http://scalaakka.blogspot.com/search/label/GenomeComputation] )

Hosted file should be done in an extremely safe manner such as split the file and keep encrypted parts in many data centers (without braking any user's constraints).


Once file will be associated with GenomeBank it can participate then in other services presented on the [bigger picture](#)

[\[http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html\]](http://scalaakka.blogspot.com/2015/10/ideas-for-genomics-project-diagram-of.html) .

PS: you may be also interested to take a look at short post "[Genome - the new intimacy](http://scalaakka.blogspot.com/2016/04/genome-new-intimacy.html)  
[\[http://scalaakka.blogspot.com/2016/04/genome-new-intimacy.html\]](http://scalaakka.blogspot.com/2016/04/genome-new-intimacy.html)".

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