**8. CONCLUSION AND FUTURE ENHANCEMENT**

* BFC designed a simple meta-data to create a high performance Cloud Storage based on ZDB key-value store. Every file in the system has a same size of meta-data regardless of file size. Every big-file stored in BFC is split into multiple fixed size chunks (may except the last chunk of file).
* The chunks of a file have a contiguous ID range, thus it is easy to distribute data and scale-out storage system, especially when using ZDB. This research also brings the advantages of key-value store into big-file data store which is not default supported for big-value. ZDB[16] is used for supporting sequential write, small memory-index overhead.
* The data de-duplication method of BFC uses SHA-2 hash function and a key-value store to fast detect data-duplication on server-side. It is useful to save storage space and network bandwidth when many users upload the same static data.
* In the future, Continue to research and improve ideas for storing big data structure in larger domain of applications, especially in the” Internet of things” trend.