**Architecture Diagram**

1. View all data owner and end user and authorize  
2. View all Files without master secret key ( msk)  
3. View files with msk and requested users  
4. View msk req time and Res time.  
5. View all file attackers  
6. View all transactions  
7. View file rank results

CLOUD SERVER

**Data owner**

1. Register and Login  
2. Select browse file enc and upload without secret key  
3.Update File  
4.Delete File  
5. View all your files  
6.View all transactions on your files

Verify msk while file access

Req file and Res

**Authority**

Req msk and Res msk

**End User**

1. List and View all end user profiles  
2.View msk Request user and generate using RSA Algorithm  
3.View all Transactions

1. Register and Login  
2. Request master secret key(msk) from Trusted authority   
3.View msk response  
4. Search files by keyword   
5. Download file