**Architecture Diagram**

**Login,**

**View and Authorize Users,**

**View and Authorize Owners,**

**View Files,**

**View All Search Transactions,**

**View All File Transactions,**

**View All Top Searched,**

**View Attackers,**

**Search Requests,**

**View Time Delay,**

**View Throughput.**

**Cloud Service Provider**

**Browse and enc and Uploads files**

**1) View user Details**

**2) View Attacker Details**

**3) Unblock User**

**Data**

**Owner**

**PKG**

**1) Registers & Logins**

**Login, View Files and Generate Key.**

**Register and Login,**

**Attackers,**

**Upload File,**

**View Files,**

**Verify data(Verifiability),**

**View and Delete Files,**

**View All Transactions.**

**Register and Login, My Profile, View Files, Search Files, Search Ratio, Top K Search, Req Search Control.**

**User**