

## The Future of Client Software

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The client software is an independent software used to complete a certain task. For example, the email client software is used for sending and receiving emails, and the PDF reader is used for PDF reading. These client software generally only communicate with server for software upgrade. With the popularization of the mobile Internet, mobile apps have more interactions and data exchanges with the server, but most mobile apps are developed based on H5. In fact, it is a HTML page for submitting data and receiving data display, so it cannot be called as client software.

For client software, if it wants to play more roles and provide more service for users, the future trend must be more interaction and data exchange with the server in the cloud and need to fully utilize the powerful cloud computing capabilities. The client software is not only a service agent for the client, but more importantly, it is for meeting the privacy protection needs of users for operating and storing confidential data locally, and with the help of a powerful cloud service system, both the cloud and the client work together to complete more complex tasks and provide better services that cannot be done by traditional independent client software.



The MeSign App developed by MeSign Technology is an email client software, but it is not a traditional email client software only used for sending and receiving emails. In order to realize complex automatic email encryption and digital signature, MeSign App needs the cloud system



support, so it can automatically configure email certificates for users, and can get the receiver's public key automatically and get timestamp services from cloud, which not only satisfies users to manipulate email data locally for encryption and decryption to protect privacy, as well as utilizing the powerful cloud email encryption service system. The integrated collaborative services of both the cloud and the client enable MeSign App to be the first in the world to realize fully automatic email encryption and digital signature. This is an innovative solution first realized in the world, and a meaningful exploration of client software development.

Similarly, the e-signature service provided by MeSign App, it will be separated from MeSign App and become an independent client software - MeSignDoc App, it is not a traditional e-signature tool software, but a new type of client software integrating PDF reading, digital signature, signature validation and signature UI display. In order to achieve the complex fully automatic digital signature of documents, MeSignDoc App is actually a user-oriented digital signature service agent, which divides the digital signature service into two operations - cloud implementation of HASH signature and local completion of digital signature, so user do not need to upload the document to be signed to e-signature platform. It can not only meet the privacy protection needs of users operating document data locally, but also use the powerful cloud e-signature service system. The integrated collaborative service of both the cloud and the client makes MeSignDoc App the first in the world to realize fully automatic document digital signature and encryption. This is also an innovative solution first realized in the world.

That is to say, MeSign Technology has been ahead of other similar client software in the development of MeSign App and MeSignDoc App, and it is the first to adopt the collaborative work together between the cloud and the client to realize the complex functions that previous independent client software cannot realize, thus realize the automatic email encryption and document digital signature. This must be the future of all client software.

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