

ABSTRACT OF THE DISCLOSURE

A proxy server for relaying and extracting data between a mobile application and an application server is disclosed. The proxy server includes a virtual certificate provider configured to transmit a virtual certificate in response to an authentication request from the mobile application executed in a mobile application emulator, a real certificate requester configured to forward the authentication request of the mobile application to the application server, and request a real certificate to the application server, and a big data collector configured to collect data transmitted and received between the mobile application and the application server, using the virtual certificate and the real certificate.

FIG. 1