

**ABSTRACT**

Methods, a server, and an electronic device for identifying compromised user devices in an application infrastructure are provided. One of the methods comprises: in response to receiving, from a given user device, a data container including a unique identifier of the given user device: updating a then current value of the unique identifier in a database, thereby generating an updated value of the unique identifier; and transmitting the updated value of the unique identifier to the given user device; in response to receiving information of the given user device being compromised: generating a then updated value of the unique identifier, indicative of the given user device being compromised; and transmitting a then updated data container with the then updated value of the unique identifier to the given user device, thereby enabling other servers of the application infrastructure to identify the given user device as being compromised.

Fig. 1