

| alert |                        |
|-------|------------------------|
| PK    | <u>alert_id</u> : long |
| UK1   | triggered: Boolean     |
| UK2   | timestamp: Instant     |
| UK2   | photo_name: String     |

An alert is created when the phone is moved and the password is not entered in time.

Certain locations are associated with alerts. However, locations may be set without an alert being created. The existence (non-null) of an alert\_id in Location indicates the location was set as a result of the phone being stolen.

| location |                           |
|----------|---------------------------|
| PK       | <u>location_id</u> : long |
| IX1      | alert_id: long            |
| IX2      | secure: boolean           |
|          | timestamp: Instant        |
|          | latitude: double          |
|          | longitude: double         |

A location is created one of three ways:

- 1) The user sets a location as either secure or unsecure in the app
- 2) The app automatically sets an unsecure location when the alarm is triggered
- 3) A tracked location is created every few minutes after the alarm is triggered