OS X Yosemite Artifacts

Call history and SMS analysis

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OS X Yosemite

- Redesigned interface
- Continuity
- Swift
- Free!

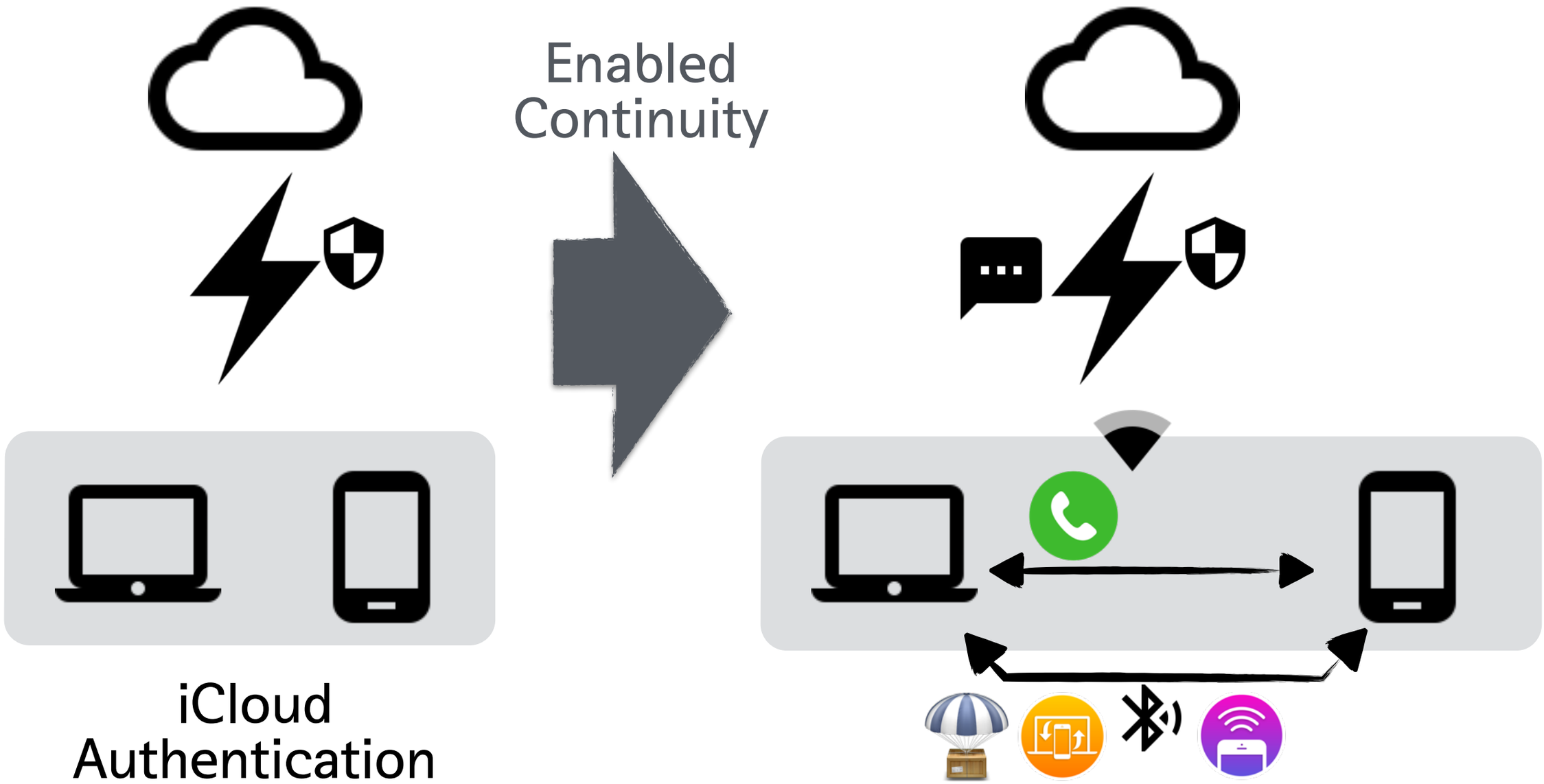
Continuity


FaceTime Edit Video Window Help
Thu 9:41 AM
Eric Rottenberg
mobile — from your iPhone
Accept
Decline
MacBook Air
Eric Rottenberg
slide to answer

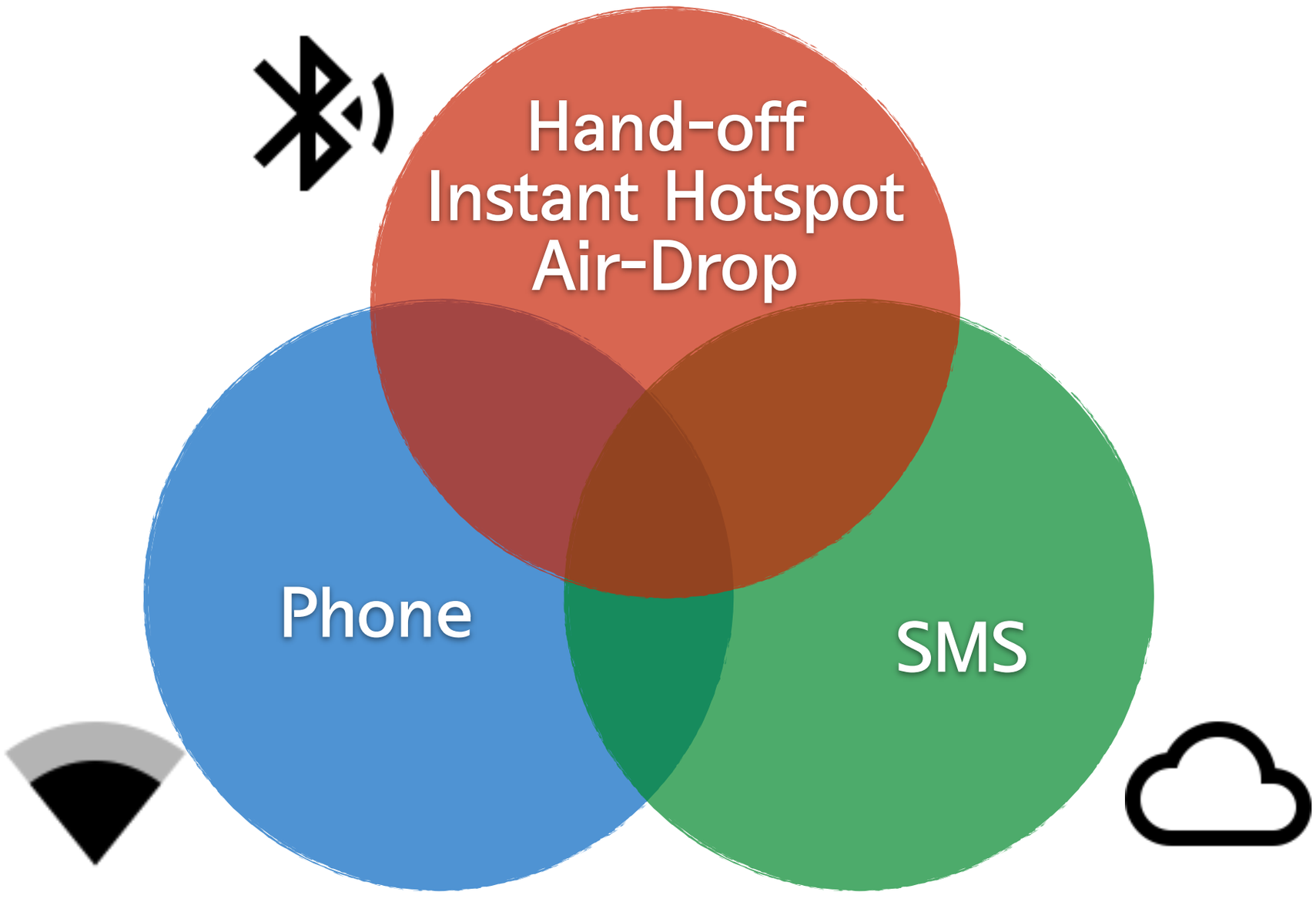
Continuity

- Mac and iOS connected 
  - Phone
  - SMS
  - Handoff
  - Instant Hotspot
  - AirDrop

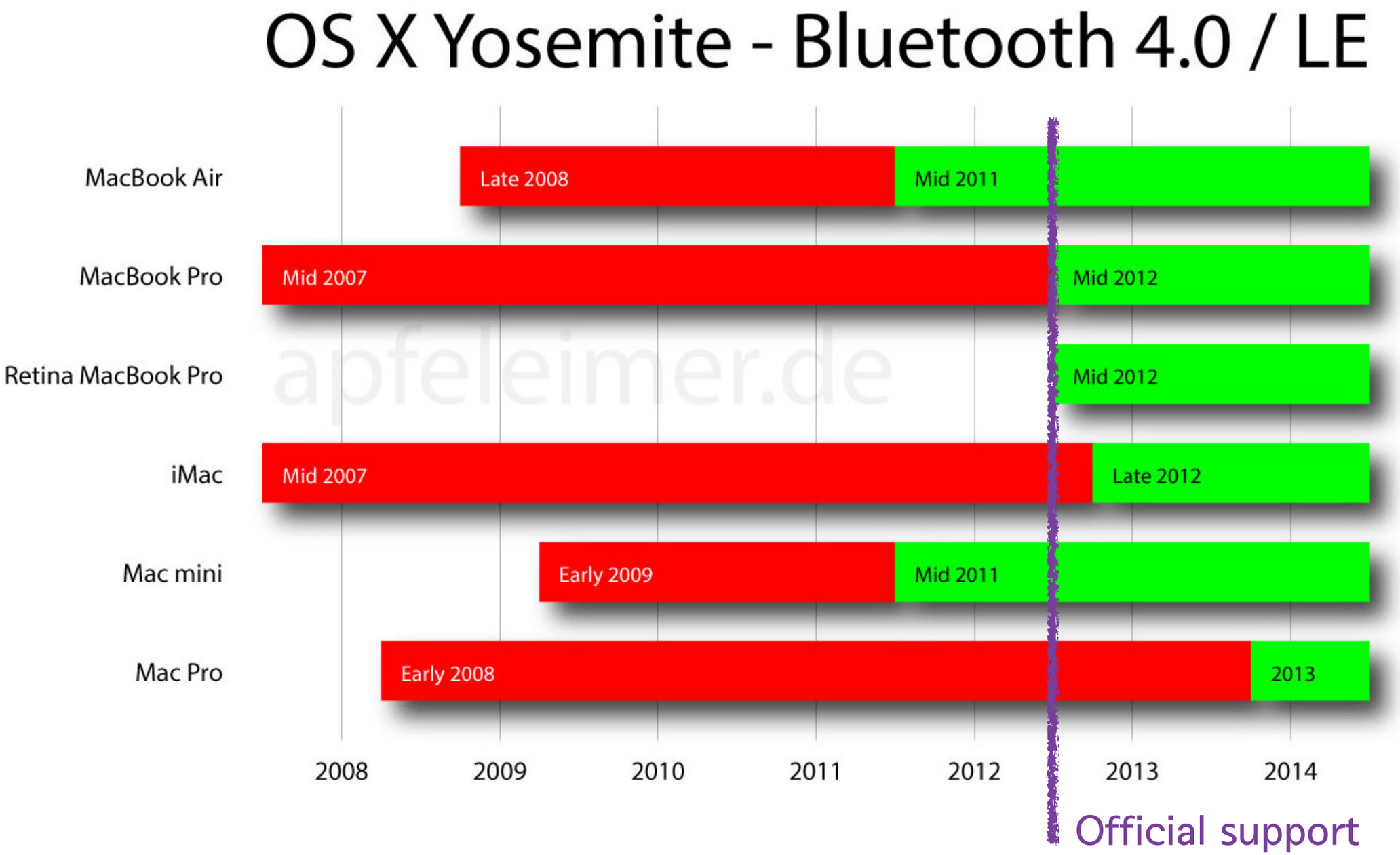
Continuity



Requirement



Requirements



Call history and SMS analysis

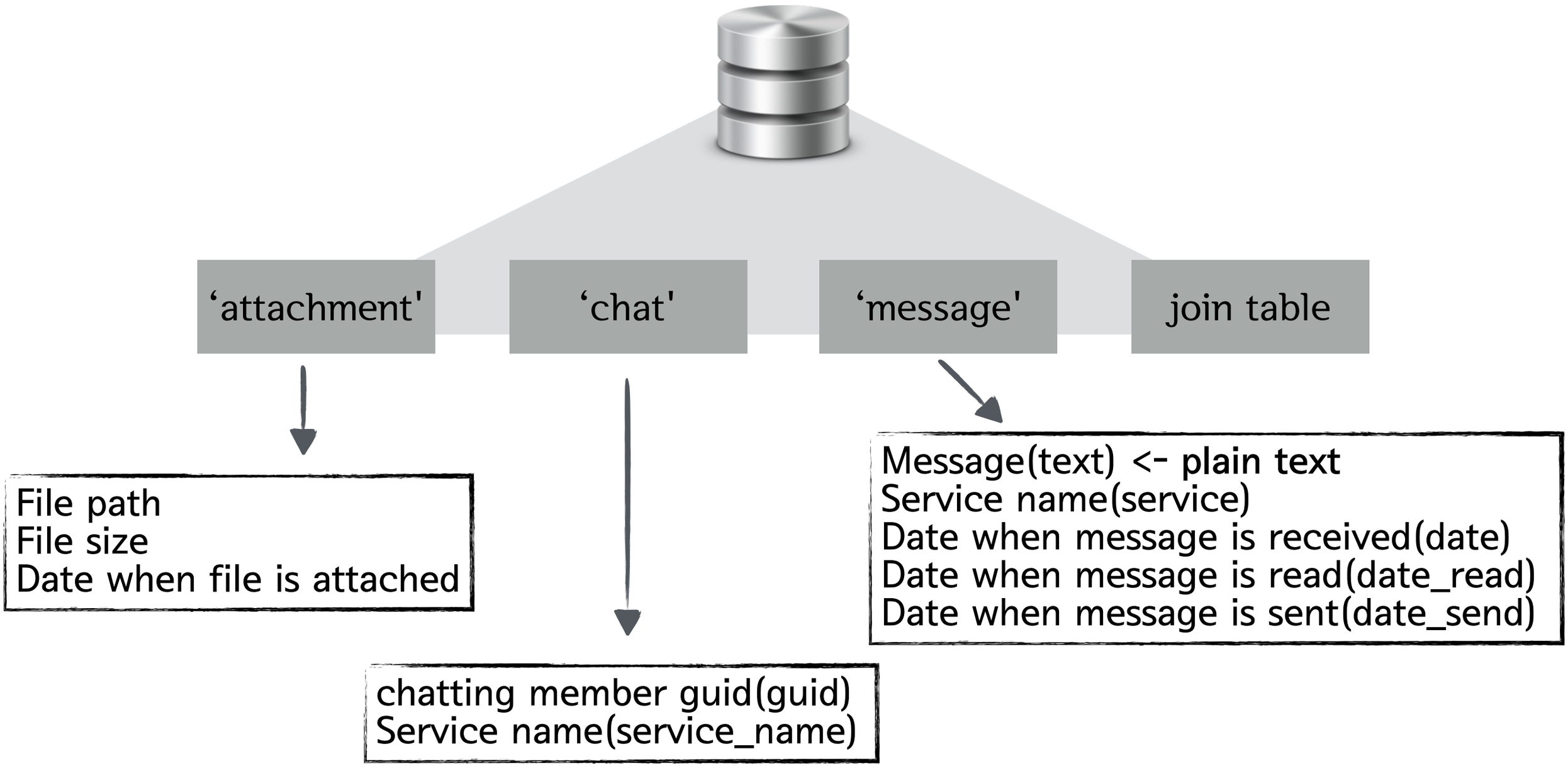
SMS DB analysis

Path：~/Library/Messages/chat.db

DB：SQLite3 enabled WAL mode

Attachment：
~/Library/Messages/Attachments

SMS DB analysis



Call history analysis

전화 하기.

Mac에서 전화를 거는 일 역시 정말 간단합니다. '연락처', '캘린더', '메시지', Spotlight, Safari에서 전화번호를 클릭하기만 하면 되죠. '캘린더' 이벤트에서 직접 컨퍼런스 콜에 들어가면 Mac이 암호를 자동으로 입력해줍니다. 통화를 시작하려면 FaceTime에서 iPhone 통화 내역을 찾거나, 직접 전화번호를 입력하면 됩니다.

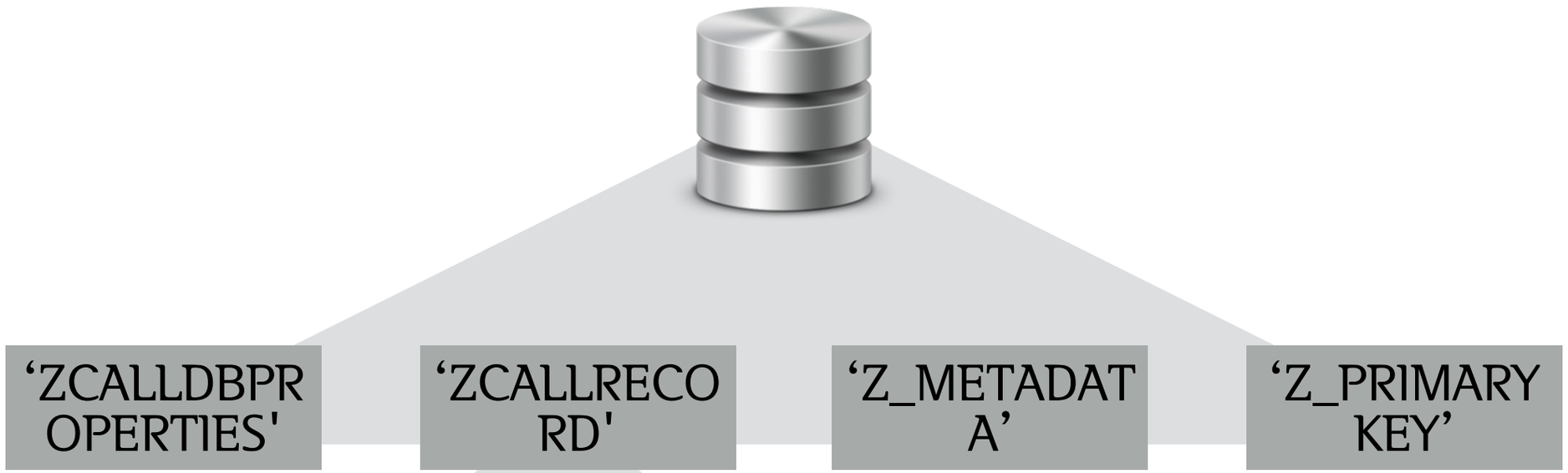
Call history analysis

Path : ~/Library/Application Support
/CallHistoryDB/CallHistory.storedata

DB : SQLite3 enabled WAL mode

Encrypted Sensitive information

Call history analysis



‘ZCALLDBPROPERTIES'

‘ZCALLRECORD'

‘Z_METADATA’

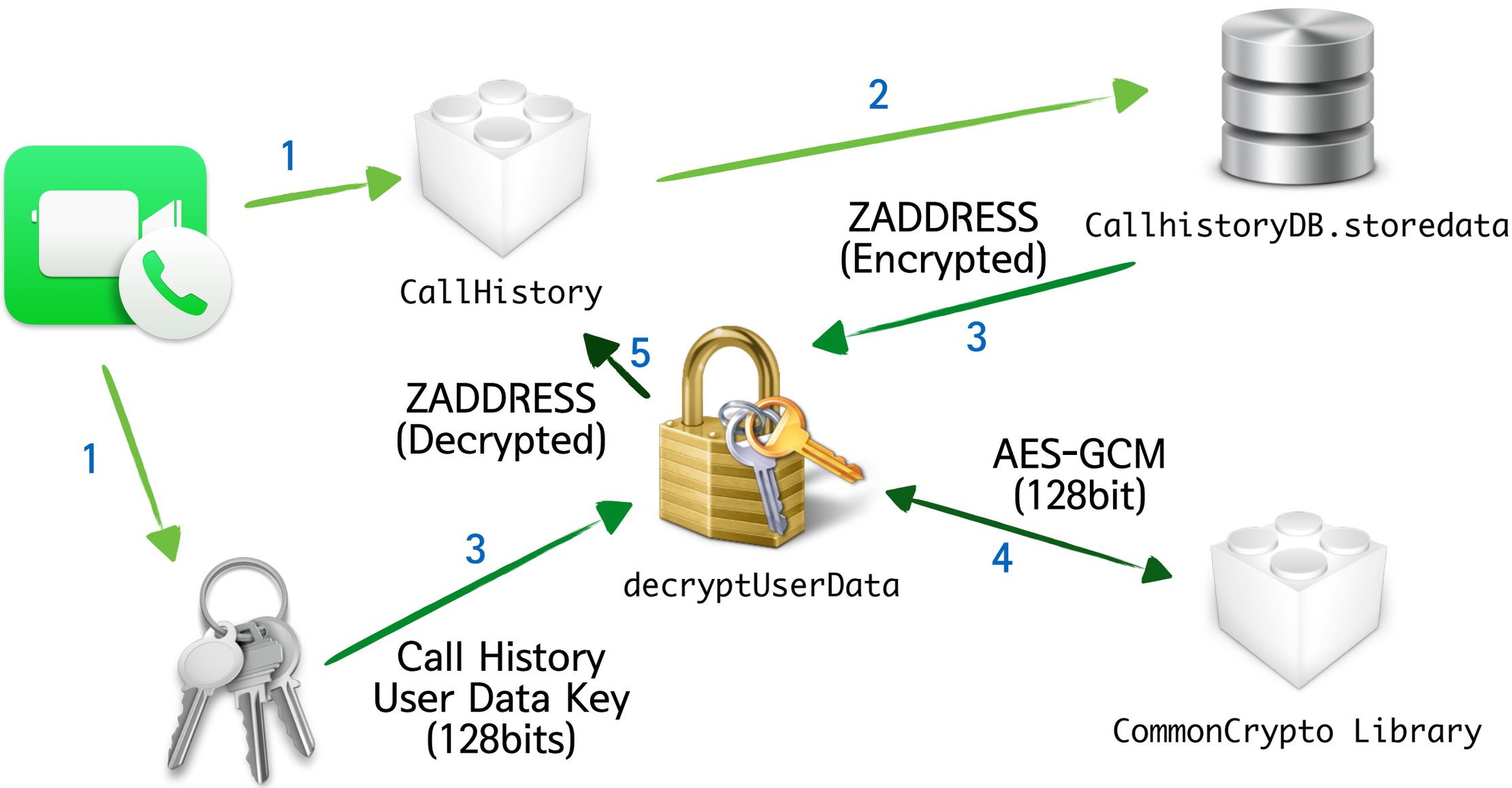
‘Z_PRIMARY KEY’

Date
when call is received
(ZDATE)

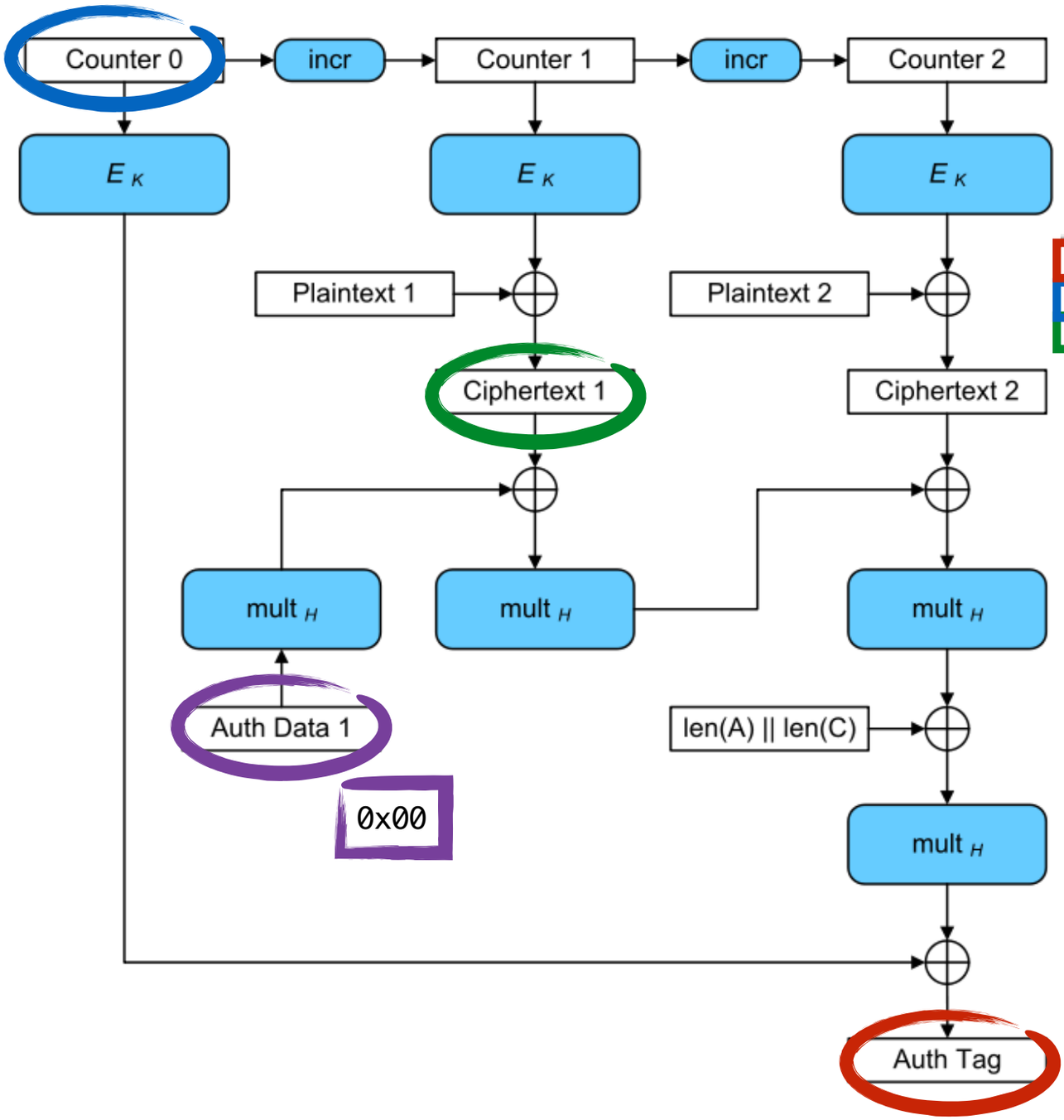
Calling duration
(ZDURATION)

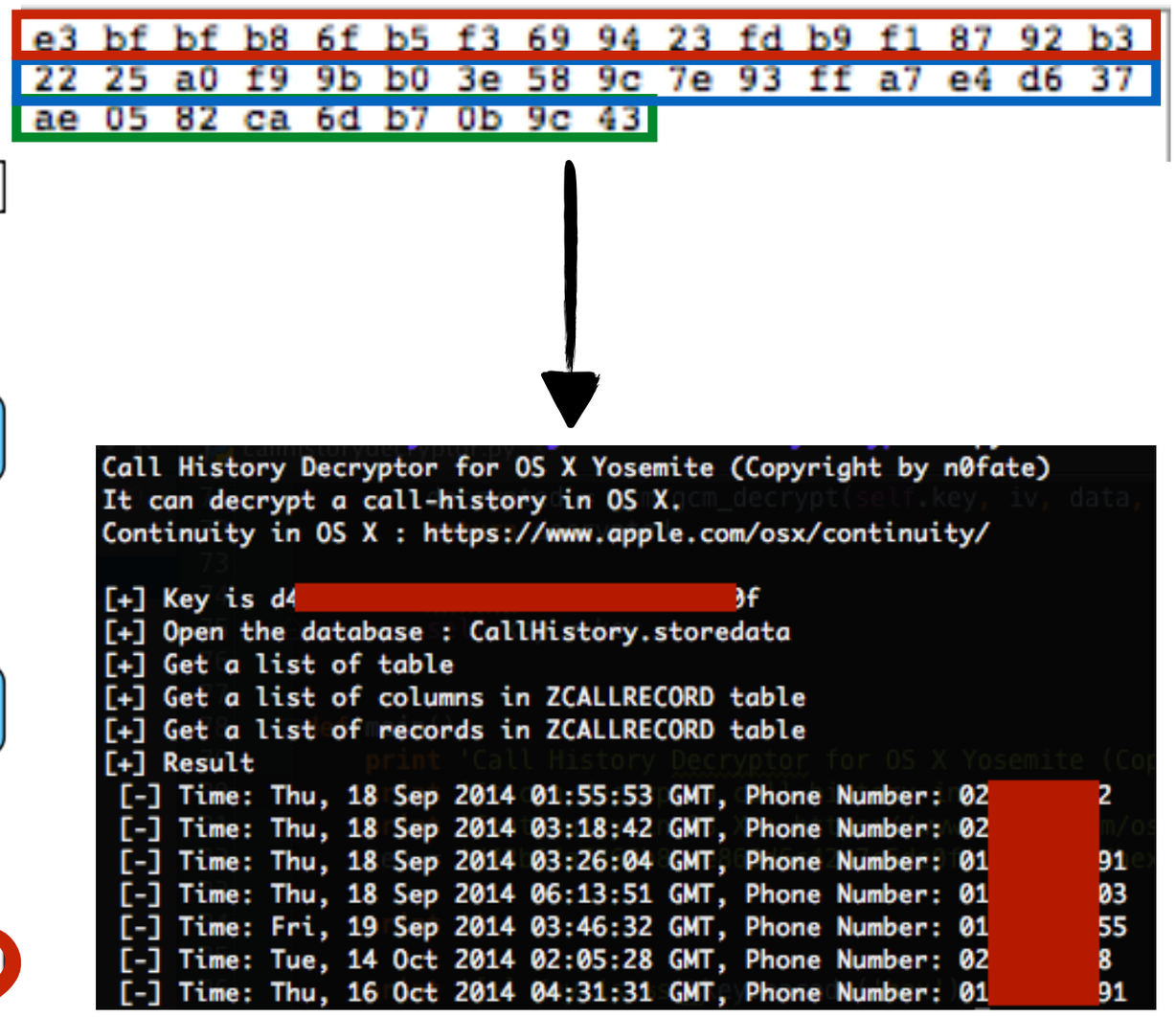
Contacts
(ZADDRESS)

Call history analysis



Call history analysis





Demo

```
Call History Decryptor for OS X Yosemite (Copyright by n0fate)
It can decrypt a call-history in OS X.
Continuity in OS X : https://www.apple.com/osx/continuity/

[+] Key is d4[redacted]0f
[+] Open the database : CallHistory.storedata
[+] Get a list of table
[+] Get a list of columns in ZCALLRECORD table
[+] Get a list of records in ZCALLRECORD table
[+] Result
 [-] Time: Thu, 18 Sep 2014 01:55:53 GMT, Phone Number: 02[redacted]2
 [-] Time: Thu, 18 Sep 2014 03:18:42 GMT, Phone Number: 02[redacted]
 [-] Time: Thu, 18 Sep 2014 03:26:04 GMT, Phone Number: 01[redacted]91
 [-] Time: Thu, 18 Sep 2014 06:13:51 GMT, Phone Number: 01[redacted]03
 [-] Time: Fri, 19 Sep 2014 03:46:32 GMT, Phone Number: 01[redacted]55
 [-] Time: Tue, 14 Oct 2014 02:05:28 GMT, Phone Number: 02[redacted]8
 [-] Time: Thu, 16 Oct 2014 04:31:31 GMT, Phone Number: 01[redacted]91
```

Q & A

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