CYBER SECURITY DIVISION
2013 PRINCIPAL INVESTIGATORS'

Breaking Mobile

Advancements in Mobile Forensics and Cyber Security

viaForensics, LLC
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Sep 17, 2013

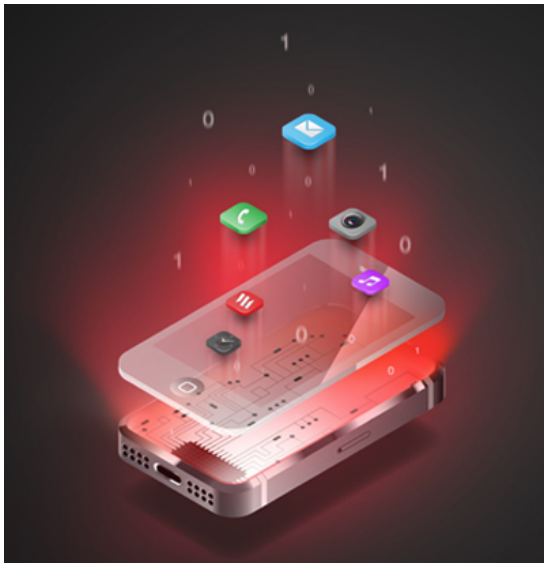
Homeland Security
Science and Technology

Company Profile

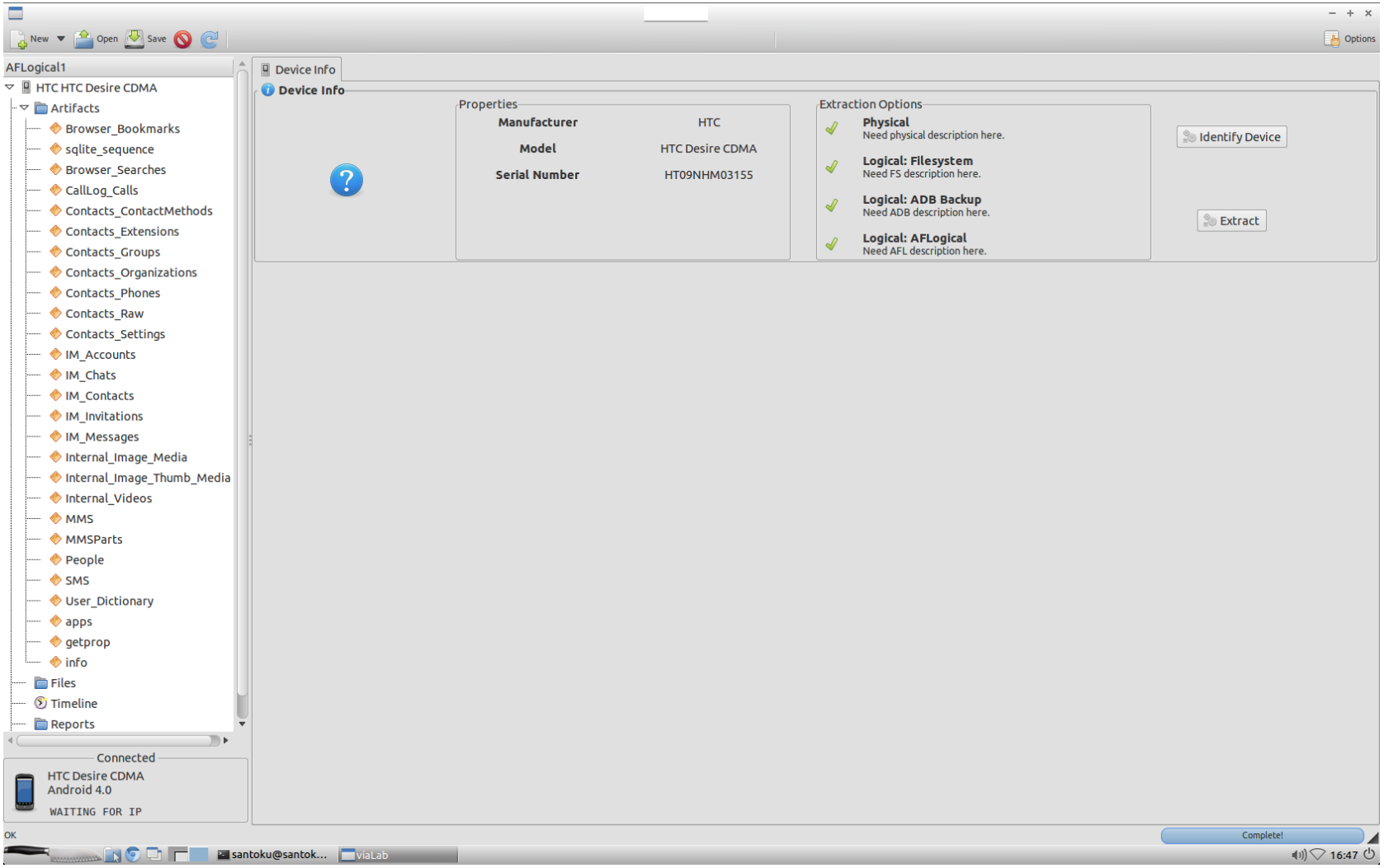
- Global team of authors, engineers, patent holders, and mobile hackers
- ~40 employees, 10 dedicated to Mobile R&D
- 50% USG, 50% Commercial

Customer Need

- Verifiable read-only acquisition of recent smartphones (iOS and Android)
- Advanced analytics of mobile forensic data
- Acquisition and analysis of burner phones



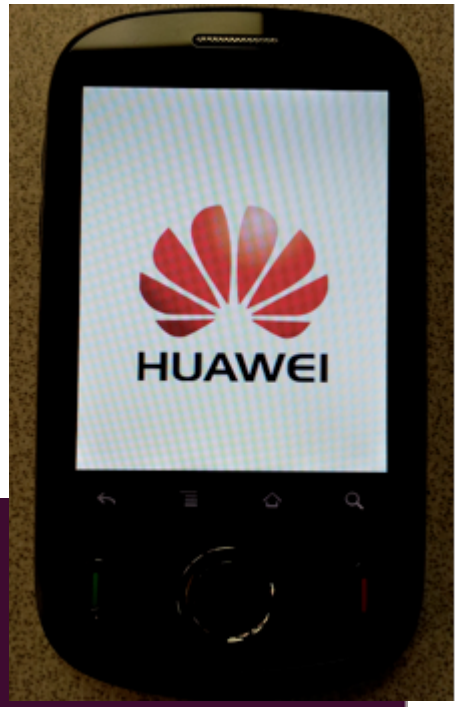
Approach - Smartphone acquisitions



Approach - Burner phones

Huawei M835 Demo

- Extract pin from locked device
- Extract data

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viaForensics Huawei M835 Pin / Gesture / password removal tool
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The device should be connected to computer in fastboot mode.
To put device in fastboot mode, when powering ON, hold
the volume UP key and press the power on button. The device
should start, but will stay on the Huawei logo.



Please press enter when your Huawei M835 is connected to the computer in fastboot mode
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Benefits

Customer Benefits

- Forensically sound process
- Extensive data set extracted
- Extract of newest and most popular burner phones

Current Status

Status

- viaExtract 1.7 (AFLogical) released
- 2.0 (Android Physical) release in Oct 2013
- Integration of Burner Phone BAA (Dec 2013)

Upcoming (proposed if funded)

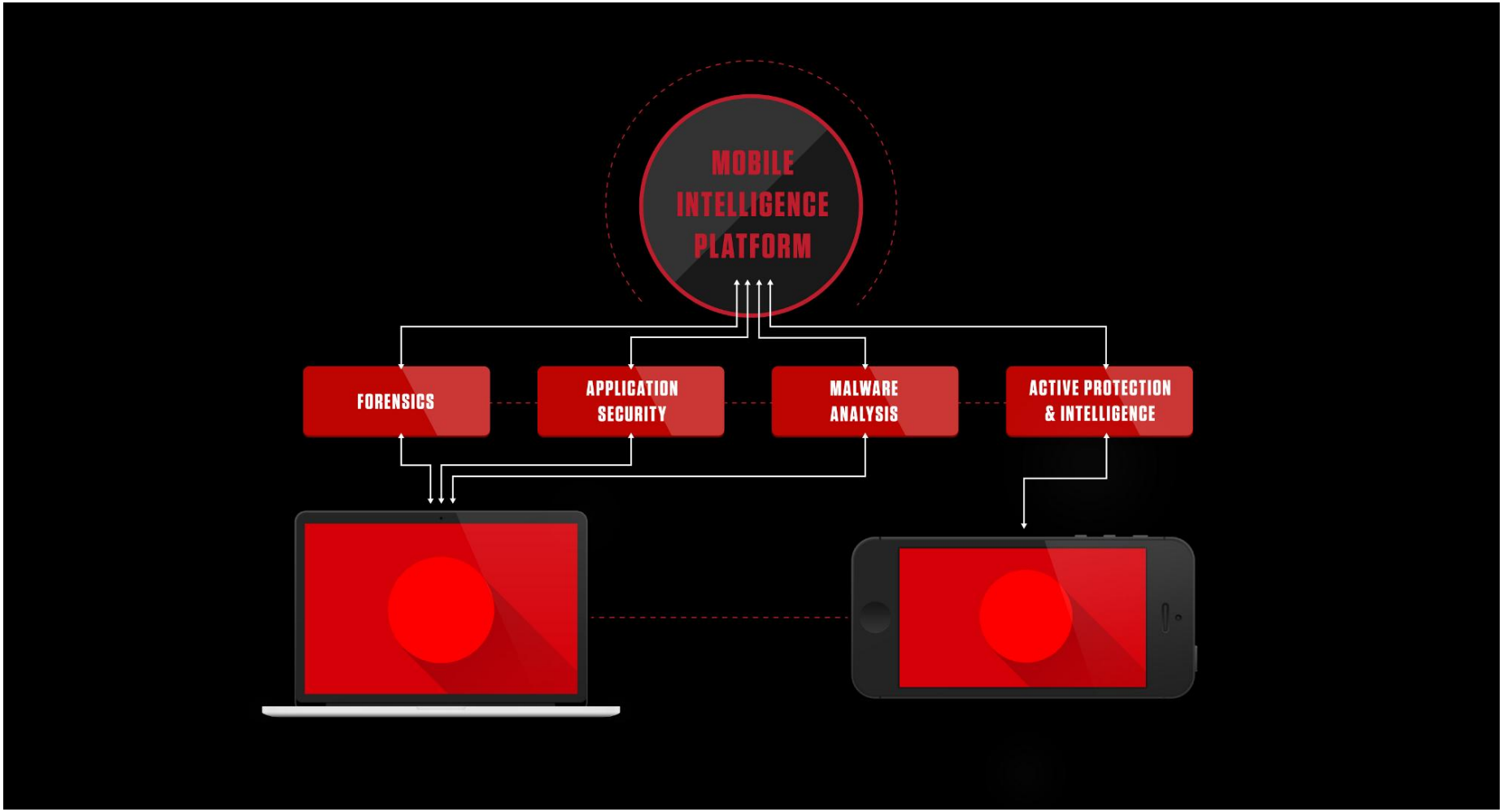
- 3.0 (iOS Logical and Physical)
- Implementation of fusion engine
- Export data to open, machine-readable standards-based format

Next Steps

Commercial opportunities

- Direct sales
- Partner with defense contractor as USG reseller
- Redeploying capabilities (i.e., proactive mobile forensics)
- Technology licensing opportunities from forensics and security vendors

Next Steps - Mobile Intelligence Platform



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advancing mobile security