

Fraud detection with OpenSIPS 2.1

- workshop -

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Background

- account hijacking: classic issue with any VoIP platform
- no attempts have been made to standardize detection procedures

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Approaches to the problem of “detecting fraudulent calls”

- complex model (30+ day span) which detects changes in user dialing pattern
 - difficult to validate (false positives)
- event-based threshold alerting system which monitors a set of call-related parameters

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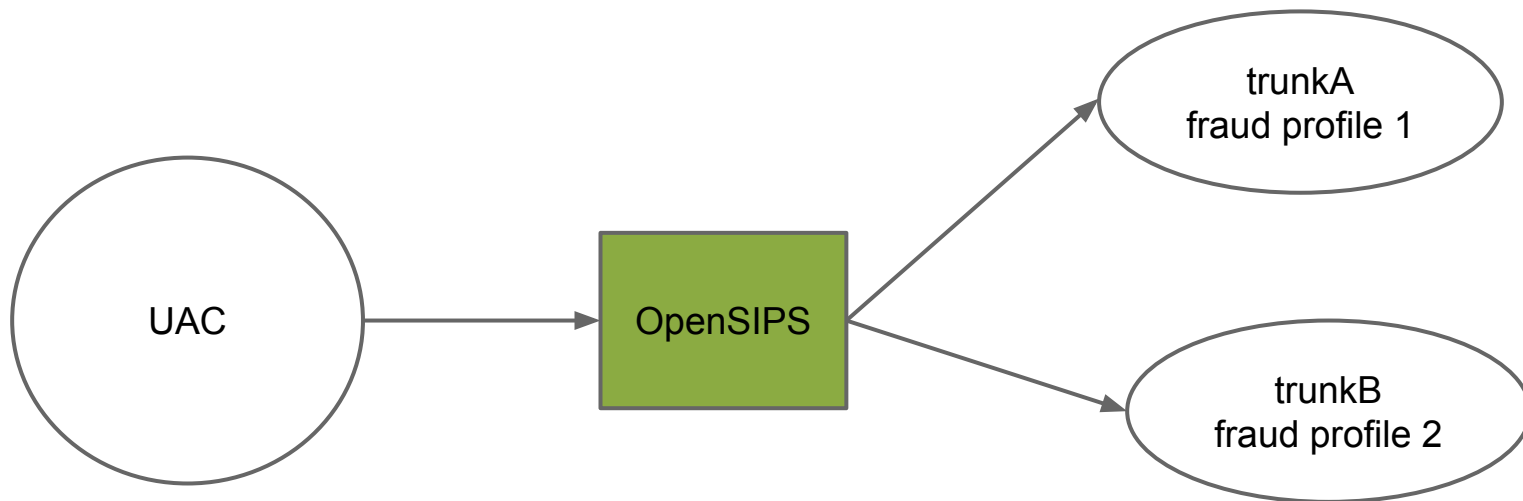
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New OpenSIPS module: fraud_detection

- closely monitors a set of five call-related parameters
 - CPM
 - call duration
 - sequential calls (to same destination)
 - concurrent calls
 - total calls
- above parameters are saved per each [**Subscriber, Destination**] pair
- initial version written by Andrei Datcu

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Resources

- fraud detection tutorial for OpenSIPS 2.1+
 - <http://www.opensips.org/Documentation/Tutorials-FraudDetection-2-1>
- fraud_detection module documentation
 - http://www.opensips.org/html/docs/modules/2.1.x/fraud_detection
- IRC / mailing list

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