



Fighting financial e-fraud: BDCT's RAFFI and eCrime projects

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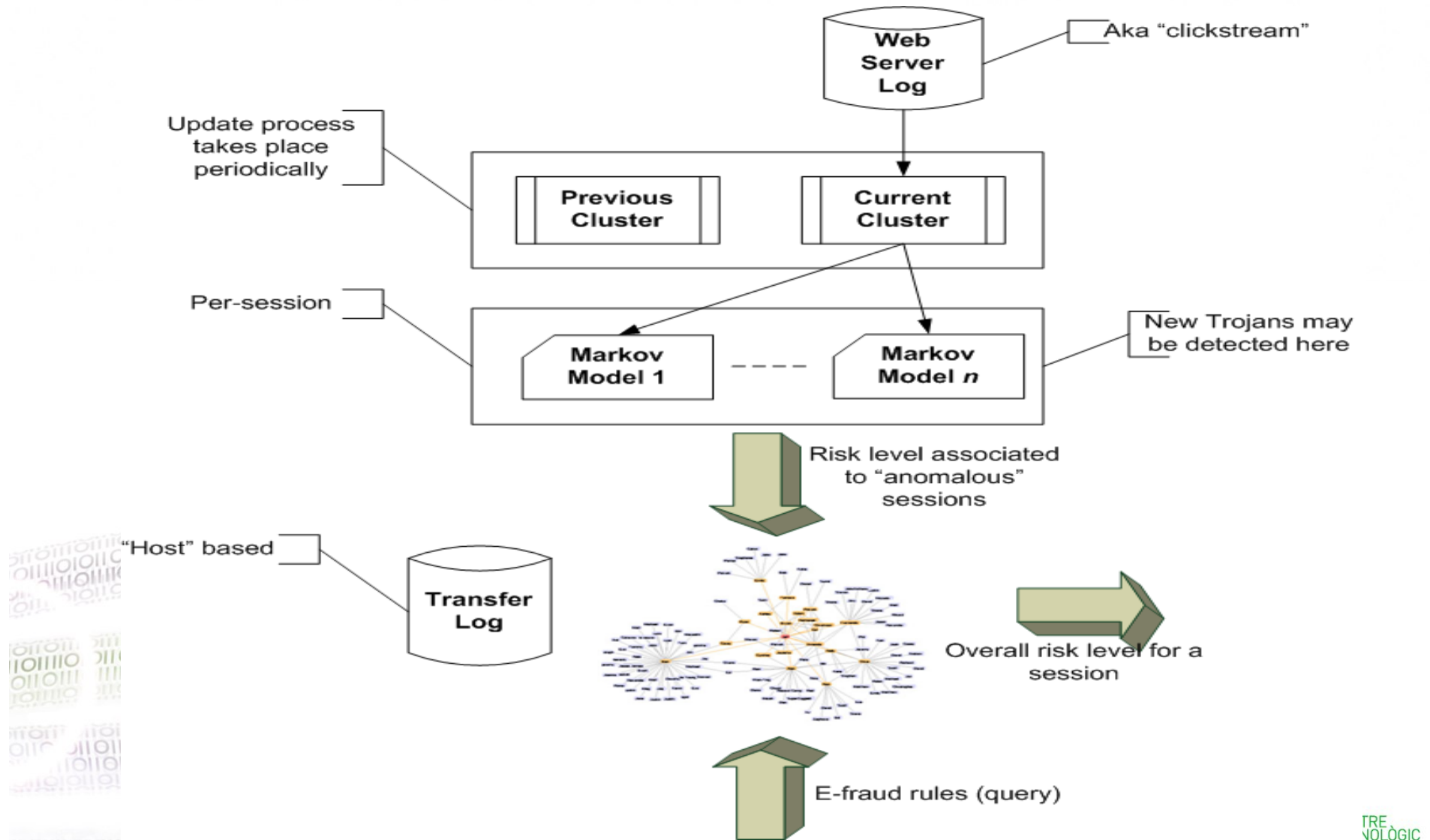
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RAFFI – Reserca AntiFrau Financer

- This Catalanian project (2-years) aims to mitigate financial fraud by:
 - Detecting anomalous behavior.
 - Protecting the whole e-bank channel: user, device, communication, server.
 - Enabling multi-channel protection mechanisms (WWW, mobile and Digital Broadcast TV).
- Consortium leaded by BDCT, consisting of 7 universities/industrial R+D centers and one of Spain's biggest online banks.
- *Novel/interesting* research topics:
 - Usability vs. Security analysis of different AuthN mechanisms for e-banking.
 - Virtualization and Cloud techniques to improve e-bank users' security (i.e. anti-malware).
 - Graph Oriented DB and Markov Chains to detect anomalous behaviors.

RAFFI – Detecting anomalous behavior



eCrime

- 2-years project being executed by BDCT.
- Main goals:
 - Money Mules: *proactive* detection and mitigation.
 - DDoS countermeasures: in-the-cloud (ISP), bank premises (IPS) and distributed AuthN (CDN-like approach).
 - Establish a permanent technological observatory for financial security mechanisms.
 - Botnet countermeasures: characterization, detection and mitigation.

To Do's

- Potential participation is security related calls:
 - ICT on Pervasive and Trustworthy Network Infrastructures.
 - Cooperation Security call.



Thanks,

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