RSA CONFERENCE 2014
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Capitalizing on
Collective Intelligence

Malware Defense and Automation: Fully Integrated Defense Operation (F.I.D.O.)

SESSION ID: TECH-F03A

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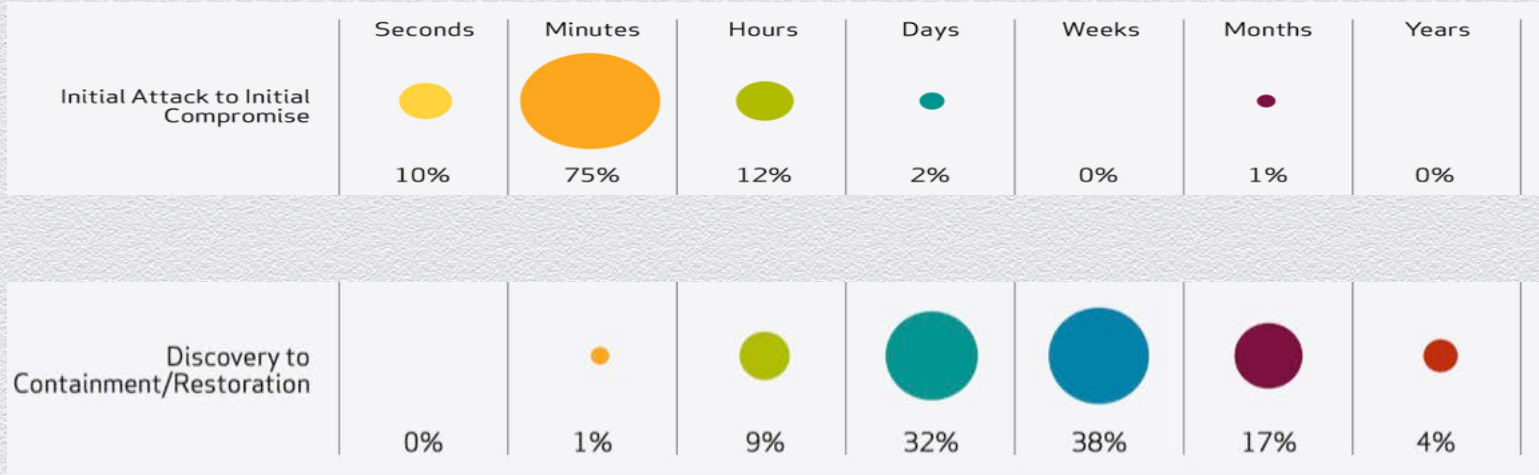
Why Create F.I.D.O.?

Reduce Response Time



*source: Verizon 2012 Data Breach Investigations Report

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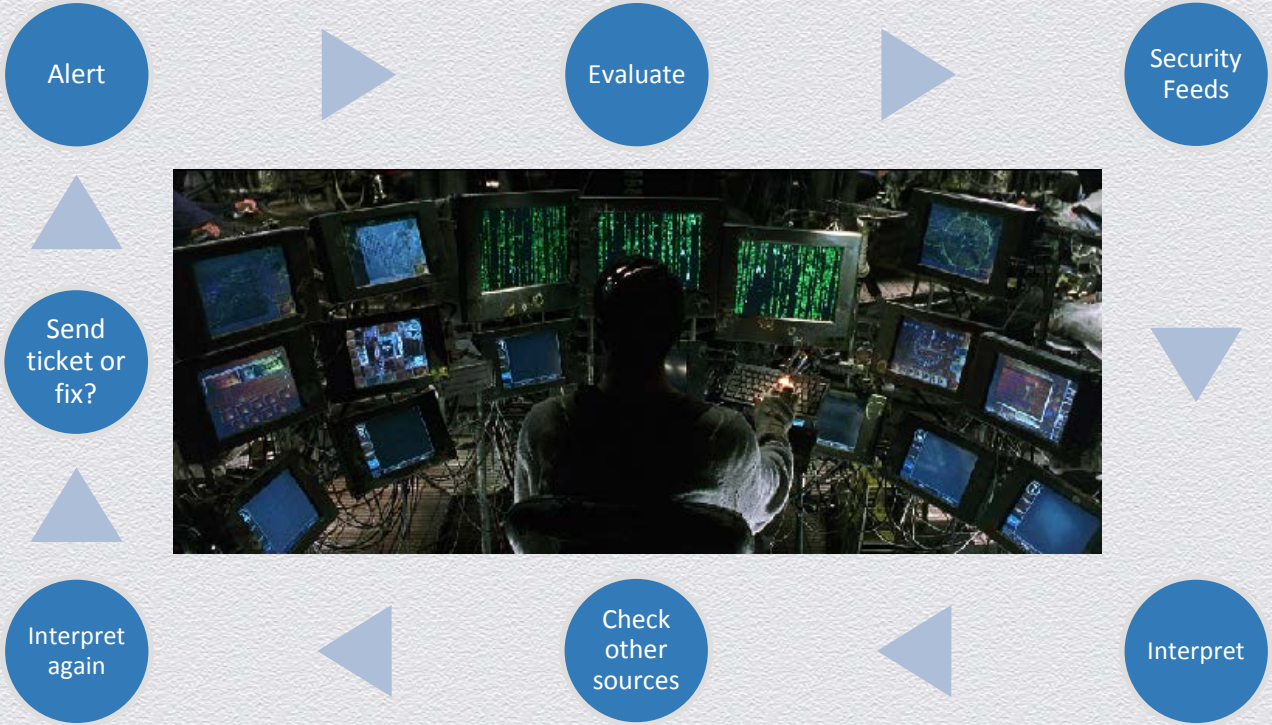
What is your workflow?



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Flaws with Current Detection and Remediation:

- Lack of vision
- Integration inadequacy
- Decentralized
- Analytic shortcomings
- Differing formats & alerting
- Security systems are proprietary
- Slow or disjointed response
- Little to no automation

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F.I.D.O. Orchestration:

- Cross-reference with the other internal systems
- Normalize data and alerts
- Trust nothing, evaluate and validate everything
- Event correlation
- Automate the evaluation and deliver an effective response
- Centralize communications and interactions
- Partner with vendors for APIs & integration

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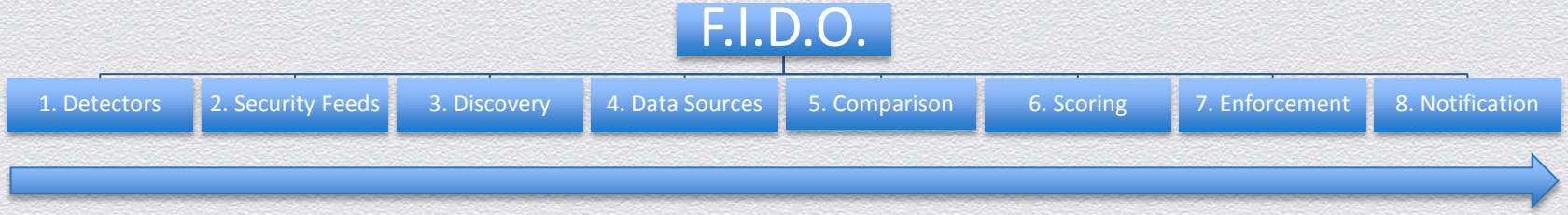
F.I.D.O. High-level



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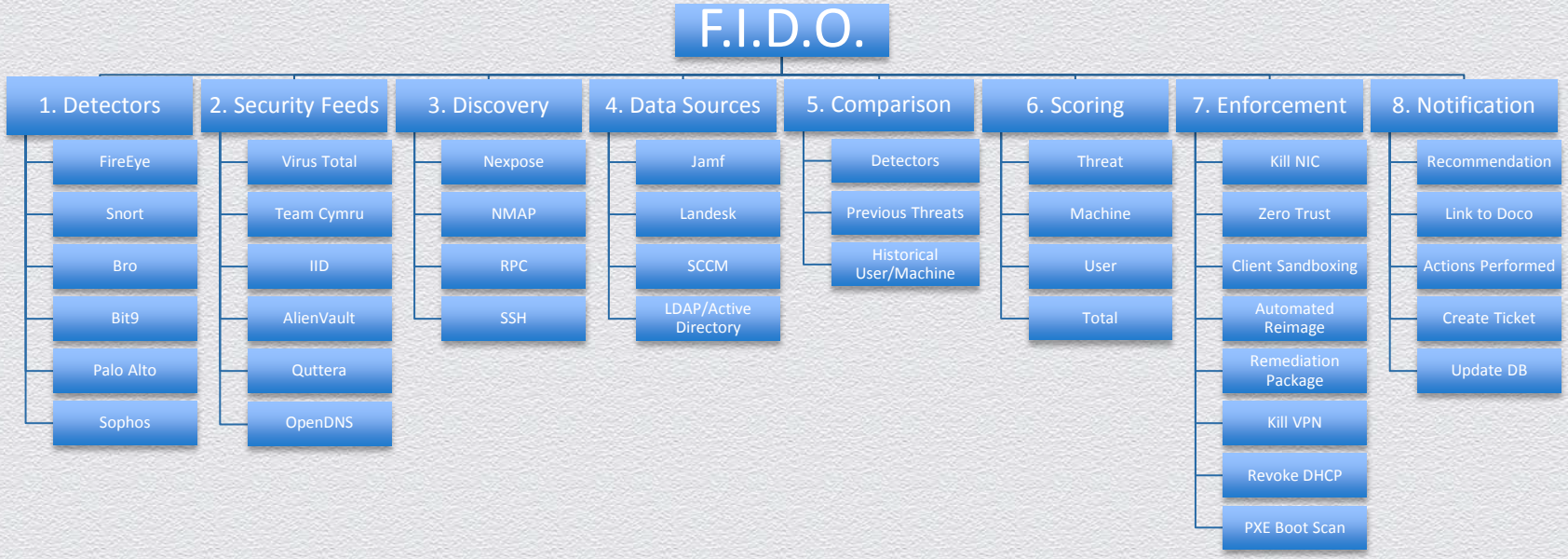
F.I.D.O. High-level



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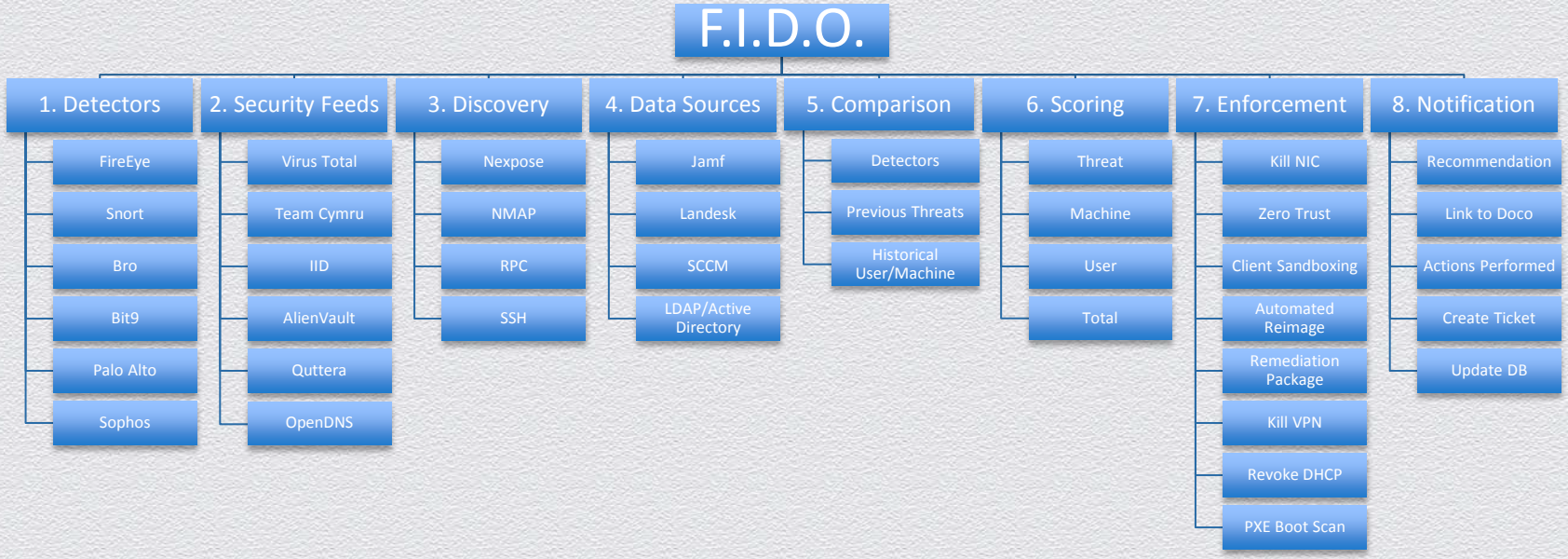
F.I.D.O. High-level



F.I.D.O. Next Steps

- github.com/Netflix/Fido… contribute
- Expand outside corporate perimeter
- Continue to integrate… Bro and more threat feeds
- Evaluation engine for threat feeds
- Updater for detectors
- Improve and expand scoring engine algorithms
- F.I.D.O. console

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Conclusion

- Integration and automation are key to reducing response time
- Create a consistent method of evaluation
- Compare any and all data
- Combine user, machine and threat information for scoring
- Eliminate overhead between teams
- Don’t just gather information… respond
- Tell your vendors

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Thank you!

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- Feedback is always appreciated
- Ideas? Please let me know

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