

# Cyber Security and Big Data

Not *Just* Big Data, **All** Data

**Tom Plunkett**

Lead Author, Oracle Big Data Handbook

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# 2016 IEEE International Conference on Big Data

- Workshop on Big Data and Cyber Security
- December 5-8, 2016
- Washington, DC
  
- Seeking Papers and Presentations related to Big Data and Cyber Security

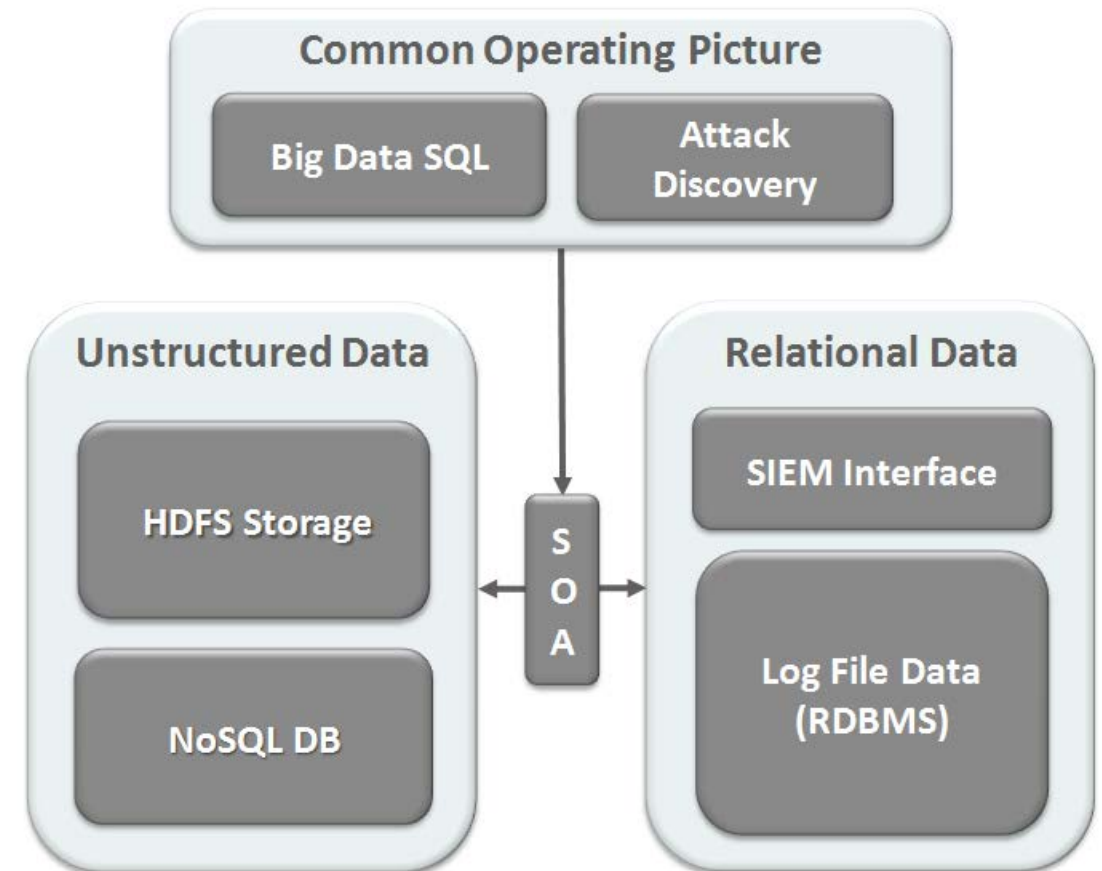
# New Cyber Security Capabilities to Protect Big Data

- New Integrations with traditional security mechanisms
- Apache Sentry
- OpenSOC
- Apache Metron
- Apache Ranger
- And many other new projects

# Using Big Data to create a Cyber Security Data Warehouse

## Leaving Attackers No Place to Hide

- **Multiple data models** for different types of analysis
- **Unified** system metadata
- **Real-time** and batch processing
- **Open APIs** for Integration with 3<sup>rd</sup> party data and analytics
- Interactive Dashboards
- **Guided** Attack Discovery



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- Questions? [tom.plunkett@oracle.com](mailto:tom.plunkett@oracle.com)