

# Forward Analysis and Alerting

Data Systems Sciences & Engineering Group

Computational Sciences & Engineering Division



- **Problem Statement:**
  - How to accommodate information that is distributed and not always immediately sharable
- **Technical Approach:**
  - Data is analyzed where it lives, in a distributed manner, as it is no longer possible to aggregate all relevant data in one place before analysis
  - The architecture applies distributed computing technologies to interconnect on-line sources of information maintained by different stakeholders
  - In lieu of moving all the data to one system, software agents execute application-specific analytics against the data residing in the data owners' operational systems
- **Benefit:**
  - The architecture applies distributed computing technologies to execute application-specific analytics against the data residing in the data owners' operational systems under the owner's control and alerts the people who need to know
- **Technology Readiness Level 2**

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