DATA INTEGRATION & INTEROPERABILITY
Complex Event Processing (CEP)
- Big Data -

Complex Event Processing (CEP)

It is a method of tracking and analyzing (processing) streams of information (data) about things that happen (events), and reaching a conclusion from them

- Combines data from multiple data sources to identify multiple events (such as opportunities and threats) to **predict behaviours or activities**

- Automatically trigger real-time response, such a suggesting a product for a consumer to purchase

- Rules are set to guide the event processing and routing

Complex Event Processing (CEP) –cont'd

- Events such as sale leads, web clicks, orders, or customer service calls may happen across the various layers of an organization

- Alternatively, they may include text messages, social media posts, stock market feeds, weather reports, or other kind of data

- **An event be defined as a change of state compare with thresholds of time, temperature, or other value**

- **CEP it is tied to Big Data**. It requires an environment that can integrate vast amounts of data of various types. to create **predictions**

- It often requires ultra-low latency such as real-time processing and in—memory databases