


Below is the slide with the 3rd party open source APIs. These APIs are typically used in large e-commerce Websites. Below, a brief description of these APIs is provided.

3rd Party APIs



Big Data (<i>Apache Hadoop</i>)	
Data Mining (<i>Weka, Apache Mahout</i>)	
Database (<i>Hibernate</i>)	Search (<i>Apache Solr</i>)
Parsing (<i>JDOM, Jackson, Google gson</i>)	
Core (<i>Apache Commons, Google Guava</i>)	
Web Framework (<i>Spring</i>)	

Spring: Popular framework for developing Web applications

Apache Commons & Google Guava: Both of them include libraries for performing common programming tasks like string manipulation or using different data structures or using Math functions.

JDOM: To parse XML documents

Jackson or Google's gson: To parse JSON text. JSON is like XML but is more compact and in recent years, it is very commonly used to exchange data, e.g., Web services.

Hibernate: Object-relational mapping (ORM) framework for interacting with databases

Apache Solr: For fast text search. Most major companies typically use Solr for providing search functionality, e.g., ebay & linkedin

Weka or Apache Mahout: For data mining tasks, e.g., providing product recommendations like the way Amazon does with their “People who bought this also bought ... ” feature.

Apache Hadoop: Used for working with tera & peta bytes of data